Instruction in Medicine is provided during all four years of the medical curriculum, beginning with Practice of Medicine I (Medicine 507) during the first year. Teaching in the second year has two main objectives: (1) the correlation of the basic sciences with clinical aspects of disease; and (2) training in the technical methods of physical examination and laboratory diagnosis. By the beginning of the third year, the student is ready for the supervised clinical study of individual patients. A clinical clerkship of 12 weeks, divided into three four-week periods, is served by third-year students on the medical services of the department. During the final year, students may select a sub-internship in general medicine and a series of elective courses in the medical specialties.

Website: https://internalmedicine.wustl.edu

Research

For information about Primary Care Summer Preceptorships (p. 4), please refer to the information at the bottom of this section.

M25 Medicine 900

Dana R. Abendschein, PhD
9924 Clinical Sciences Research Building
Phone: 314-362-8925

Research in this translational physiology laboratory is focused on the development of novel antithrombotic approaches for use during acute myocardial infarction, stroke, and surgery in which vascular injury is an underlying mechanism. Current studies are designed to define the efficacy of targeting antithrombotics to the surface of injured vascular cells and activated platelets on thrombus progression. One approach uses nanoparticles covered with epitopes to bind exposed receptors on thrombus and containing inhibitors of coagulation or platelet activation. Students will be expected to participate in experiments using animal models and will develop skills in experiment design, vascular physiology, clinical antithrombotic therapy, coagulation, histopathology and statistics.

John P. Atkinson, MD
Clinical Sciences Research Building, 10th Floor
Phone: 314-362-8391

A clinical research elective is offered in the evaluation of patients with complement deficiency or overactivity states and with undiagnosed rheumatic disease syndromes.

Roberto Civitelli, MD
BJC Institute of Health, 11th Floor, Musculoskeletal Research Center
Phone: 314-454-8408

Biology of cell-cell interactions and communication in bone via gap junctions and cell adhesion molecules; function of connexins and cadherins in transcriptional control of osteoblast differentiation, osteoclastogenesis, and mechanotransduction; modulation of mesenchymal lineage allocation and osteogenic differentiation by cadherins and beta-catenin signaling.

Nicholas O. Davidson, MD
910 Clinical Sciences Research Building, North Tower
Phone: 314-362-2027

Our focus is on the genetic pathways of nonalcoholic fatty liver disease (NAFLD) and colorectal cancer development. We have two major areas of research interest. Our laboratory is interested, first, in the molecular mechanisms of hepatic steatosis and the pathogenesis of NAFLD. This is the most prevalent liver disease in the United States, likely affecting a quarter of the population. We have generated genetically manipulated mouse strains that offer insights into the mechanisms of hepatic steatosis. The student would work as part of a team, designing and conducting experiments that will test hypotheses concerning the mechanisms and consequences of hepatic steatosis. These studies will primarily involve mouse genetics, examining the expression of candidate genes under a variety of nutritional and pharmacologic settings that modulate hepatic lipid metabolism. In addition, we are using microarrays to study the spectrum of genetic changes that may predict the extent of hepatic lipid accumulation in patients with steatohepatitis. Our goal is to test hypotheses using mouse genetics and to extend these studies to examine the same pathways in humans with NAFLD. Our second area of interest concerns the genetic pathways involved in colorectal cancer, the second leading cause of cancer-related deaths. We have developed a novel strain of mice in which the dominant effects of mutations in the APC tumor suppressor gene have been abrogated through deletion of an RNA binding protein, apobec-1. This deletion has a major effect on the expression of cox-2, abrogating the increase in expression seen in human colon adenomas and wild-type mouse intestinal adenomas. These findings suggest that apobec-1 is a genetic modifier of colon cancer development. We will study the importance of apobec-1 expression in human colon cancer specimens and continue our murine genetic studies of this novel pathway for modulating colon cancer development and progression.
Gerome Escota, MD  
6604 Wohl Hospital  
Phone: 314-362-8050  
esgotag@wustl.edu (escotag@wustl.edu)

The focus of this lab is on special projects in medical education. Through special arrangement with and approval by the course director, fourth-year students will participate in these projects. Typical projects will require approximately four weeks to complete. These four weeks can occur consecutively (preferred) or be spread out somewhat, as needed. Medical education projects should be aimed at improving the curriculum, the student experience, and/or the administration of the Internal Medicine clerkship or the sub-internship. Interested students should contact the course director via phone or email to discuss the proposed project. Those who are interested but who would like guidance in designing a project should also contact the course director. This is open only to Washington University School of Medicine students.

Bradley Evanoff, MD, MPH  
Phone: 314-454-8638

Our primary interest is on occupational medicine epidemiology and intervention research. Our research involves the use of epidemiology methods to characterize associations between diseases and work-related exposures. We are also doing workplace intervention studies to prevent injuries and illnesses and to improve healthy diet and physical activity among working populations. During an elective in occupational medicine epidemiology research, students will learn how to use epidemiologic methods to investigate disease processes by working on a mutually agreed-on topic of interest related to occupational diseases. Other activities can include worksite visits and intervention projects as well as involvement with worksite health promotion and policy making. Elective length is variable, depending on individual circumstances. Please contact Dr. Evanoff to discuss this research.

Gregory I. Goldberg, PhD  
Wohl Clinic, 4th Floor  
Phone: 314-362-8172

Role of secreted extracellular matrix metalloproteases in tissue remodeling; structure and function of the metalloproteases.

Richard W. Gross, MD, PhD  
4525 Scott Avenue, East Building  
Phone: 314-362-2690

Lipid mediators of signal transduction in the cardiovascular system; characterization of regulatory mechanisms responsible for the liberation of lipid second messengers during cellular activation; roles of phospholipases in mediating the metabolic syndrome and end-organ tissue damage.

Stacey House, MD, PhD  
Phone: 314-362-8070  
houses@wustl.edu

Lisa Hayes  
Phone: 314-362-4362  
hayesl@wustl.edu

Emergency medicine clinical research is the primary focus of this lab. This type of research involves the gamut of research designs, from retrospective cohort studies ("The Use of B Hydroxy Butyrate Point-of-Care Testing in Diabetic Ketoacidosis") to prospective clinical trials ("Biomarkers in Traumatic Brain Injury") to the evaluation of health care systems and emergency department processes ("Effects of a Triage Process Conversion on the Triage of High Risk Presentations") to the analysis of health policy issues ("Rate of Follow-up to a Primary Care Clinic and Subsequent Emergency Department Utilization among an Urban ED Population"). Students will learn the basic clinical research designs and will be able to articulate the benefits and drawbacks of each. They will be involved in hypothesis generation and study design for projects that are at that stage. For ongoing projects, they will learn about the informed consent process and be involved in screening for study subjects and subject selection and enrollment. They will be allowed to consent for studies judged to be of minimal risk. Students will be taught important rules regarding data acquisition and entry, particularly as these relate to standards that have been set forth in the medical literature. They will learn about bias and inter-rater reliability. Students will participate in data entry, data analysis, and subsequent abstract/manuscript preparation based on their level of interest and time commitment. Students will meet weekly with one of the course directors to discuss study progress and to identify any roadblocks to study completion. These meetings will also serve as a forum for one-on-one education of the student regarding study methodology, ethical issues in research, and various resources available to the clinical researcher at Washington University.

Sandor J. Kovacs, MD, PhD  
9965 Clinical Sciences Research Building  
Phone: 314-362-8901

This experience is geared toward students with math, physics and engineering backgrounds. The cardiovascular biophysics research elective concentrates on physiologic modeling and the comparison of model predictions to in vivo human data. The minimum elective time is eight weeks.
Marc S. Levin, MD, and Deborah C. Rubin, MD
922/924 Clinical Sciences Research Building
Phone: 314-362-8933 or 314-362-8935

Students will be members of a collaborative research team headed by Drs. Levin and Rubin (Department of Medicine) investigating the mechanisms underlying the intestinal adaptive response that occurs to compensate for the loss of functional small intestine. A second project focuses on epithelial-mesenchymal interactions and their role in regulating gut epithelial proliferation carcinogenesis and the normal and cancer stem cell niche. Specific mechanisms under investigation include the function of an immediate early gene Tis7 on gut adaptation after resection or injury. The role of myofibroblast protein epimorphin in regulating cell proliferation and colon carcinogenesis is being explored. The student will have the opportunity to learn basic molecular biology and physiology as they relate to small intestinal growth and function. Examples of techniques that are used in these studies include small animal surgery and colitis and cancer models (mice and rats), molecular biological techniques including PCR, Northern blotting, vector construction for the production of transgenic and knockout mouse models, in situ hybridization and immunohistochemistry.

Jason C. Mills, MD, PhD
Clinical Sciences Research Building, North Tower, Room 1030
Phone: 314-362-4213

We investigate the differentiation of epithelial stem cells in the upper gastrointestinal tract. We study how genes regulate differentiation in mouse models and in vitro in tissue culture, and we correlate our findings with human tissue specimens. Specific projects include the following: (1) understanding how inflammation leads to aberrant differentiation (metaplasia), which is a precursor for cancer; (2) elucidating how master regulatory transcription factors like Xbp1 and Mist1 coordinate the massive cytoskeletal and organelar expansion of specialized secretory cells as they differentiate from stem cells; and (3) understanding the mechanisms that regulate how differentiated cells can be reprogrammed into stem cells in gastrointestinal organs like the stomach and the pancreas.

Richard E. Ostlund, MD
8804 Wohl Hospital
Phone: 314-362-8286

Our laboratory focuses on the prevention and treatment of coronary heart disease by studying cholesterol absorption, detoxification and elimination from the body. Direct patient studies that use new stable isotopic cholesterol tracers and mass spectrometry techniques complement in vitro work on the biochemistry of cholesterol transport in cultured cells.

Russell Pachynski, MD
BJC Institute of Health, 7th Floor
Phone: 314-286-2341

Our lab focuses on several aspects of tumor immunology and translational immunotherapy. We utilize mouse tumor models, human tissues and samples, and advanced molecular and immunologic techniques to study leukocyte trafficking in the setting of tumor development and progression. We also have projects focusing on developing novel immunotherapeutics aimed at augmenting the recruitment of beneficial leukocyte subsets into the tumor microenvironment in order to suppress tumor growth. We are utilizing several approaches, such as nanoparticles, fusion proteins and viruses.

Katherine Ponder, MD
8818 Cancer Science Research Building
Phone: 314-362-5188
kponder@wustl.edu

The focus of this lab is on gene therapy for lysosomal storage diseases such as mucopolysaccharidosis (MPS). We have developed a retroviral vector that can be efficiently delivered to the liver of mice and dogs and that results in expression sufficient to reduce many of the clinical manifestations of these genetic diseases. Current studies focus on assessing the therapeutic effect of gene therapy on sites that are affected in MPS (e.g., heart, aorta, bones, joints) and on developing vectors that might be translated into human patients. In addition, we are evaluating the pathogenesis of disease in MPS, which appears to involve the upregulation of destructive proteases in the aorta and possibly other sites. A better understanding of the pathogenesis of disease might result in additional therapies for MPS.

Clay F. Semenkovich, MD
Southwest Tower, 8th Floor
Phone: 314-362-4454

Fatty acid metabolism and its role in atherosclerosis, diabetes, hypertension and obesity; modulation of respiratory uncoupling for the treatment of aging, obesity and vascular disease.

Phyllis K. Stein, PhD
Northwest Tower, Room 13116
Phone: 314-286-1350
pstein@wustl.edu

This lab's main focus is on the clinical significance of heart rate variability and ECG-derived waveform parameters obtained from continuous ambulatory monitoring. This elective affords the student the opportunity to perform research in heart rate variability or in other measurements, like QT variability or T-wave alternans that can be derived from continuous ECG monitoring.
from Holter recordings or polysomnography recordings in the sleep lab. One area of active research is the identification of heart rate patterns associated with obstructive and central sleep apneas and hypopneas and the relationship of previously unappreciated cycling heart rate patterns and outcomes. Data are also available from mice. Many possible projects are available using our many large existing datasets, using the thousands of stored studies in the sleep lab, or using de novo data collection in a clinical or animal population and in infants. Also, many possible directions for this research are available, from applying traditional and nonlinear HRV to different populations to developing methods to quantify ultradian heart rate variability patterns to developing novel ECG analysis techniques, among others. Also, we are involved with the Cardiovascular Health Study (CHS), a large population-based longitudinal study of risk factors for heart disease and stroke among community-dwelling people more than 65 years old. There is a subset of this population who had Holter recordings (~1400 at baseline, ~800 of the same people five years later, and ~370 minority subjects recorded at the same time as the second CHS recording). These recordings have already been analyzed by us, so there is a large amount of heart rate variability and heart rate pattern data available. There are also subsets of patients from the CHS and from another study (EPHESUS) who are known to have died suddenly, and we have developed a matched control group in order to examine ECG-based differences in those who died suddenly. We also have electronic sleep studies at two time points for about 300 of the CHS Holter participants who also participated in the Sleep Heart Health Study. We have analyzed an additional ~1500 sleep studies from CHS participants who did not have Holter recordings. Thus, there is also an opportunity in the CHS dataset for studies of the relationship of heart rate variability with changes in heart rate variability over time and with a huge number of clinical and demographic factors among the elderly. We also have data on the relationship of Holter-based HRV and sleep apnea patterns to the development of atrial fibrillation after cardiac surgery as well as data from a study of the treatment of depression in treatment-resistant depressed post-MI patients, a study of sickle cell patients, and a study of heart rate variability and echo parameters in elderly African Americans. Currently, we are also analyzing HRV in premature infants as they mature and HRV as a predictor of response to treatment in babies in the NICU and PICU, using stored 24-hour bedside ECGs.

Heart rate variability and clinical outcomes: The student will be learning about HRV methods and will investigate the relationship of HRV and outcomes in one of our datasets. Because we have clinical and demographic data for about 20,000 subjects for whom continuous ECGs from Holter recordings, sleep studies, and ICU studies are available, as well as some mouse data, the student will be able to choose a project that may lead to a publishable result in an area of interest. The HRV Lab has enough computers and software to accommodate the needs of any interested students.
Lynn A. Cornelius, MD  
Winfred A. and Emma R. Showman Professor of Dermatology in Medicine  
Chief, Division of Dermatology

Jeffrey S. Crippin, MD  
Marilyn E. Bornefeld Chair in Gastrointestinal Research and Treatment  
Professor of Medicine  
Associate Chair for Clinical Programs

Nicholas O. Davidson, MD  
John E. and Adaline Simon Professor of Medicine  
Chief, Division of Gastroenterology

John F. DiPersio, MD, PhD  
Virginia E. and Sam J. Golman Professor of Medicine  
Chief, Division of Oncology

Bradley A. Evanoff, MD, MPH  
Richard A. and Elizabeth Henby Sutter Chair in Occupational, Industrial, and Environmental Medicine  
Chief, Division of General Medical Sciences

Victoria J. Fraser, MD  
Adolphus Busch Professor of Medicine and Chairman

Daniel M. Goodenberger, MD  
Professor of Medicine  
Chief, Veteran's Administration

Richard W. Gross, MD, PhD  
Professor of Medicine  
Chief, Division of Bioorganic Chemistry and Pharmacology

Michael J. Holtzman, MD  
Selma and Herman Seldin Professor of Medicine  
Chief, Division of Pulmonary and Critical Care Medicine

Benjamin D. Humphreys, MD, PhD  
Joseph P. Friedman Associate Professor  
Chief, Division of Nephrology

Samuel Klein, MD  
William H. Danforth Professor of Medicine and Nutritional Science  
Chief, Division of Geriatrics and Nutritional Sciences

Elaine M. Majerus, MD, PhD, MD  
Professor of Medicine  
Interim Chief, Division of Hematology

Douglas L. Mann, MD  
Tobias and Hortense Lewin Professor of Medicine  
Chief, Division of Cardiology

Christine Pham, MD  
Professor of Medicine  
Chief, Division of Rheumatology

Jennifer A. Phillips, MD, PhD  
Associate Professor of Medicine  
Co-Chief, Division of Infectious Diseases

William G. Powderly, MD  
Dr. J. William Campbell Professor of Medicine  
Co-Chief, Division of Infectious Diseases

Clay F. Semenkovich, MD  
Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism in Medicine  
Chief, Division of Endocrinology, Metabolism and Lipid Research

Mark S. Thoelke, MD  
Associate Professor of Medicine  
Chief, Division of Hospital Medicine

H. James Wedner, MD  
Dr. Phillip and Arleen Korenblat Professor  
Chief, Division of Allergy and Immunology

Patrick H. White, MD  
Associate Professor of Medicine  
Chief, Division of Palliative Care Medicine

Visit our website for more information about our faculty (https://internalmedicine.wustl.edu/divisions) and their appointments.

A

Eva Marie Aagaard, MD  
Carol B and Jerome T Loeb Professor of Medical Education (primary appointment)  
Sr Associate Dean for Education  
MD Cornell University 1995  
BA University of CA Santa Barbara 1991

Mohammed Munam Abbasi  
Instructor in Medicine (primary appointment)

Elliot Efrem Abbey, MD  
Professor of Clinical Medicine (primary appointment)  
BA Cornell University 1971  
MD New York University 1975

Camille N. Abboud, MD  
Professor of Medicine (primary appointment)  
MD American University of Beirut 1974  
BS American University of Beirut 1970

Basem Abdeen, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Jordan 2001

Khaled M Abdel-Hamid  
Instructor in Clinical Medicine (primary appointment)

Dana Ray Abendschein, PHD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Cell Biology and Physiology  
BS State University of New York 1974
Grazia Abou Ezzi, MS, MS, PHD
Instructor in Medicine (primary appointment)
BS Holy Spirit Univ of Kaslik 2006
MS University of Nice 2008
MS University of Paris 2009
PHD University of Nice 2013

Barry K Abramson, MD
Instructor in Clinical Medicine (primary appointment)
BA Johns Hopkins University 1981
MD University of Miami 1985

Nada A Abumrad, PHD
Robert C Atkins Professor of Obesity Research in Medicine (primary appointment)
Professor of Cell Biology and Physiology
BS American University of Beirut 1972
PHD State University of New York 1978

Luigi Adamo, PHD
Instructor in Medicine (primary appointment)
PHD Harvard University 2009

Susan R Adams, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1989
BA Carleton College 1985

Foluso O Ademuyiwa, M PH, MBBS
Associate Professor of Medicine (primary appointment)
M PH Johns Hopkins University 2001
MBBS University of Ibadan 1999

Douglas R Adkins, MD
Professor of Medicine (primary appointment)
BS Wright State University 1982
MD Wright State University 1986

Amber Afzal, MD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MD Army Medical College 2010

Patrick Roy Aguilar, MD
Assistant Professor of Medicine (primary appointment)
BA UT Permian Basin 2017
MD UT Medical Branch 2017

Homaa Ahmad, MD
Assistant Professor of Medicine (primary appointment)
MD Johns Hopkins University Medc 2003
BA Johns Hopkins University 1999

Abdulla Akfaly, MD
Instructor in Clinical Medicine (primary appointment)
MD Aleppo University 1991

Ziyad Al-Aly, MD
Assistant Professor of Medicine (primary appointment)
MD Beirut University 1999
BS Beirut University 1995

Bassam Albarcha
Instructor in Clinical Medicine (primary appointment)

Janvier Marie Alexander-Brett, PHD, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pathology and Immunology
BS University of Nebraska 1999
PHD Washington Univ in St. Louis 2007
MD Washington Univ in St. Louis 2007

Tarek Alhamad, MD, MS
Assistant Professor of Medicine (primary appointment)
MD Damascus U. Medical School 2006
MS Pennsylvania State University 2013

Muhammad A Ali, MD
Professor of Medicine (primary appointment)
MD Damascus U. Medical School 2006
MS Pennsylvania State University 2013

Jorge M Alegre, MD
Instructor in Clinical Medicine (primary appointment)

Rajaa Almourani, MD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MD Damascus University School of 2007

David Hershel Alpers, MD
William B Kountz Professor of Gerontology in Medicine (primary appointment)
BA Harvard University 1956
MD Harvard University 1960

Osama Alwayar, MD
Instructor in Medicine (primary appointment)
MD Damascus University 2011

Jamaluddin Faisal Amanullah
Instructor in Clinical Medicine (primary appointment)

Amit P. Amin, MD
Associate Professor of Medicine (primary appointment)
MD Government Medical College 1998

Manik A Amin, MD
Assistant Professor of Medicine (primary appointment)
MD Government Medical College 1997

Surachai Amornsawadwattana, MD
Instructor in Medicine (primary appointment)
MD Mahidol University 2002
Milan J. Anadkat, MD
Professor of Medicine (Dermatology) (primary appointment)
MD Ohio University 2001
BS University of Akron 1997

Dhanalakshmi Subramanian Anbukumar, PHD
Instructor in Medicine (primary appointment)
BA Saint Louis University 2003
PHD Saint Louis University 2010

Adam Lee Anderson, MD
Assistant Professor of Medicine (primary appointment)
MD University of Illinois Chicago 2010
BS University of Illinois Chicago 2006

Scott J Anderson, MD, PHD
Instructor in Clinical Medicine (primary appointment)
MD Duke University 1982
BA University of California 1975
PHD Duke University 1981

Muhammad Jaffer Ansari
Assistant Professor of Clinical Medicine (primary appointment)

George Anstas, MD
Assistant Professor of Medicine (primary appointment)
MD Tishreen Univ College of Med 2001

Alison Lynne Antes Schuelke, MS, PHD
Assistant Professor of Medicine (primary appointment)
BS Indiana State University 2005
MS University of Oklahoma 2007
PHD University of Oklahoma 2010
BS Indiana State University 2005

Olivia Aranha, MS, PHD, MD
Assistant Professor of Medicine (primary appointment)
MS University of Detroit 1998
PHD Wayne State University 2000
MD University of Bombay 1995

Suzanne V Arnold, MD, MHA
Adjunct Assistant Professor of Medicine (primary appointment)
MD Ohio State University 2004
MHA Ohio State University 2004

Vivek Kumar Arora, MD, PHD
Assistant Professor of Medicine (primary appointment)
BS Northwestern University 1996
MD University of Texas Southwest 2004
PHD University of Texas Southwest 2004

Saira M Asadullah, MD
Instructor in Clinical Medicine (primary appointment)
MD Aga Khan University 1992

Phillip V. Asaro, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)

MD Saint Louis University 1981
Jordan Jerrell Atkins, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2015
BS Morehouse College 2010

Jeffrey Jay Atkinson, MD1, BS1, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Pediatrics
MD1 Hahnemann University 1994
BS1 Loyola College 1990
BS Loyola College 1990
MD Hahnemann University 1994

John Patterson Atkinson, MD
Samuel Grant Professor of Medicine (primary appointment)
Professor of Molecular Microbiology
MD University of Kansas 1969
BA University of Kansas 1965

Crystal Lynn Atwood, MD
Assistant Professor of Medicine (primary appointment)
MD University of Illinois Chicago 2009

Chandra Aubin, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Missouri 1983
BA University of Missouri 1983

James G Avery, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1986
MD University of Tennessee 1990

Riad Azar, MD
Associate Professor of Medicine (primary appointment)
MD Saint Josephs University 1994

M

Hilary M Babcock, MD, MPH
Professor of Medicine (primary appointment)
BA Brown University 1989
MD University of Texas Southwest 1994
MPH Saint Louis University 2006

Richard G. Bach, MD, MS
Professor of Medicine (primary appointment)
BS Georgetown University 1977
MD New York University 1984
MS New York University 1980

Nusayba Baggeni, MD
Assistant Professor of Medicine (primary appointment)
BS University of MO Columbia 2005
MD U of IA Carver College of Med 2010

Maria Quintos Baggstrom, MD
Associate Professor of Medicine (primary appointment)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<td>BA Williams College 1991</td>
<td>MD University of Texas Houston 1996</td>
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<tr>
<td>Om Parkash Bahl, MS</td>
<td>Assistant Professor of Clinical Medicine (primary appointment)</td>
<td>MS Punjab University 1957</td>
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<td>Donald M Bailey</td>
<td>Adjunct Instructor in Medicine (primary appointment)</td>
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<td>Thomas C Bailey, MD</td>
<td>Professor of Medicine (primary appointment)</td>
<td>MD Washington Univ in St. Louis 1984</td>
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<td>Erin L Bakanas, MD</td>
<td>Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)</td>
<td>MD University of Connecticut 1987</td>
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<td>Faris Adam Bakeer, MD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BS Union University 2011</td>
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<td>Gregory Eden Baker, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>MD Mayo Clinic 2001</td>
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<td>Megan Tierney Baldridge, MD, PHD</td>
<td>Assistant Professor of Medicine (primary appointment) Assistant Professor of Molecular Microbiology MD Baylor College of Medicine 2011 PHD Baylor College of Medicine 2009</td>
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<td>Fred J Balis, MS, MD</td>
<td>Assistant Professor of Clinical Medicine (primary appointment) MS Cornell University 1985 MD Washington Univ in St. Louis 1989 BS University of Vermont 1981</td>
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<td>Clarence William Balke, MD</td>
<td>Professor of Medicine (primary appointment) MD Temple University 1981 BS Haverford College 1975</td>
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<td>Wenners Ballard, MD</td>
<td>Instructor in Medicine (primary appointment) MD Howard University 2015</td>
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<td>David Ban, MD</td>
<td>Associate Professor of Clinical Medicine (primary appointment) MD University of Oregon 1980 BA Kalamazoo College 1976</td>
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<td>James William Banks, MD</td>
<td>Instructor in Clinical Medicine (primary appointment) MD Marshall University 1984</td>
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<tr>
<td>Abraham Barake, MD</td>
<td>Associate Professor of Clinical Medicine (primary appointment) MD School Not Listed 1983</td>
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<tr>
<td>BS University of Maryland 1976</td>
<td>Thomas J Baranski, PHD, MD</td>
<td>Associate Professor of Medicine (primary appointment) Associate Professor of Developmental Biology PHD Washington Univ in St. Louis 1992 BS Univ of Wisconsin Madison 1985 MD Washington Univ in St. Louis 1992</td>
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<td>Rachel Hannah Bardowell, MD</td>
<td>Assistant Professor of Medicine (primary appointment) MD University of Miami 2009</td>
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<td>Philip M Barger, MD</td>
<td>Associate Professor of Medicine (primary appointment) MD Case Western Reserve Univ 1989</td>
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<tr>
<td>Ernie-Paul Barrette, MA, MD</td>
<td>Associate Professor of Medicine (primary appointment) BS University of Rhode Island 1982 MA Harvard University 1984 MD Harvard University 1990</td>
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<tr>
<td>Thomas Joseph Bartholet, MD1, MD</td>
<td>Instructor in Clinical Medicine (primary appointment) MD1 Brown University 1994 MD Dartmouth College 1992 BS Georgetown University 1990</td>
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<tr>
<td>Nancy Lee Bartlett, MD, MS</td>
<td>Koman Professor of Medical Oncology in Medicine (primary appointment) BS Stanford University 1978 MD Washington Univ in St. Louis 1986 MS Mass Inst of Technology (MIT) 1979</td>
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<td>Robert W Barton, PHD, MD</td>
<td>Assistant Professor of Clinical Medicine (primary appointment) PHD University of Chicago 1967 BS University of Chicago 1962 MD University of Chicago 1967</td>
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<td>Jeannine Basta, PHD</td>
<td>Assistant Professor of Medicine (primary appointment) PHD Saint Louis University 2012 BS Lindenwood University 2006</td>
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<td>Luis Francisco Zirrberger Batista, PHD</td>
<td>Assistant Professor of Medicine (primary appointment) Assistant Professor of Developmental Biology PHD University of SAO Paulo 2008 BS University of SAO Paulo 2003</td>
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<tr>
<td>Brian John Bausano, MD</td>
<td>Associate Professor of Emergency Medicine in Medicine (primary appointment) MD Baylor University 2004</td>
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<td>Frederick D Bauschard, MD</td>
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</table>
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)
BA Allegheny College 1964
MD University of Pittsburgh 1968

Michael D Bavlsik, MD
Assistant Professor of Clinical Medicine (primary appointment)
BS Seton Hall University 1987
MD Rutgers University 1991

Susan Joy Bayliss, MD
Professor of Medicine (Dermatology) (primary appointment)
BA University of Texas Austin 1970
MD University of Texas Galveston 1974

Emily Nicole Beck, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
BS University of Texas Austin 2010
MD University Texas San Antonio 2015

Gregory Joseph Beirne, DOST
Instructor in Emergency Medicine in Medicine (primary appointment)
DOST Chicago Coll of OsteopathicMed 1997

C. Elliott Bell Jr, MD
Instructor in Clinical Medicine (primary appointment)
BS Tulane University 1960
MD Tulane University 1964

Richard C Bell, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 1988
BA Northwestern University 1984

William Waite Benedict, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1975
BS University of Illinois 1971

Michael Charles Bennett, MD
Assistant Professor of Medicine (primary appointment)
MD Vanderbilt University 2010

Susan Berdy, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Brown University 1980
MD Saint Louis University 1984

Daniel Ralph Berg, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 2000
BS Brown University 1994

Michael A Berk, MD
Professor of Clinical Medicine (primary appointment)
MD Indiana University Bloomington 1979

BA Northwestern University 1974
Carlos Bernal-Mizrachi, MD
Philip E & Carolyn E Cryer Professor of Medicine (primary appointment)
Professor of Cell Biology and Physiology
MD Universidad del Valle Med Sch 1990

Keith A Bernstein, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1987
BA University of MO Kansas City 1987

Marc Jordan Bernstein, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Haverford College 1988
MD Washington Univ in St. Louis 1992

Douglas R Berson, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Pennsylvania 1983
BA Lehigh University 1981

Anita R. Bhandiwad, MD
Associate Professor of Medicine (primary appointment)
BA Northwestern University 1994
MD Northwestern University 1998

Mythili C. Bharadwaj, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
UNKNOWN University of Madras 1988

Shakthi Tapasya Bhaskar, MD
Instructor in Medicine (primary appointment)
MD Ohio State University 2016
BS Columbia University 2009

Rakhee Kapadia Bhayani, MD
Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1999

Stanley I Biel, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Illinois 1978
BA Rockford College 1974

Ellen F Binder, MD
Professor of Medicine (primary appointment)
Professor of Occupational Therapy
BA Davenport University 1977
MD Washington Univ in St. Louis 1981

William D Birenbaum, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1983
BA Washington Univ in St. Louis 1978

Clifford Allen Birge, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Amherst College 1956
MD Washington Univ in St. Louis 1961
Thomas M Birkenmeier, MD  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 1982  
BA Washington Univ in St. Louis 1978

Kumar Sanjeev Bishnupuri, MS, PHD  
Instructor in Medicine (primary appointment)  
MS Banaras Hindu University 1992  
BS Tilka Manjhi Bhagalpur Univ 1988  
PHD Banaras Hindu University 1999

Valerie Blanc, PHD, MS  
Instructor in Medicine (primary appointment)  
PHD University of Bordeaux 2 1996  
MS University of Bordeaux 2 1992

Melvin S Blanchard, MD, BBA  
Professor of Medicine (primary appointment)  
Director of Residency Program, Department of Internal Medicine  
MD University of Tennessee 1994  
BBA Trevecca Nazarene College 1987

Merilda O Blanco-Guzman, MD  
Assistant Professor of Medicine (primary appointment)  
MD PUCMM FACULTAT DE CIENCIAS DEL 2004

Elizabeth Joy Blaney, MD  
Assistant Professor of Medicine (primary appointment)  
BA Eastern Michigan University 2003  
MD Ohio State University 2007

Morey A Blinder, MD  
Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
BS University of Notre Dame 1977  
MD Saint Louis University 1981

Sydney Lynn Blount, MD  
Instructor in Medicine (primary appointment)  
MD University of Nebraska 2016  
BS Nebraska Wesleyan University 2012

Donald Allen Blum  
Assistant Professor of Clinical Medicine (primary appointment)

Imre Bodo  
Adjunct Instructor in Medicine (primary appointment)

Michael Bolger  
Instructor in Clinical Medicine (primary appointment)

Matthew James Bonzelet, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 2009

Adrianus C Boon, MS, PHD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Molecular Microbiology  
Associate Professor of Pathology and Immunology  
MS University of Amsterdam 1997  
PHD Erasmus University Rotterdam 2003

Candice Beth Booth, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
MD University of MO St Louis 2004  
BA Univ of IL -Urbana-Champaign 2000

Jamie Marie Borgmann  
Instructor in Clinical Medicine (primary appointment)

Benjamin A Borowsky, MD  
Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1958

Jonathan D Bortz, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of the Witwatersra 1979

Ron Bose, PHD, PHD1, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Cell Biology and Physiology  
BA University of Rhode Island 1991  
BS University of Rhode Island 1991  
PHD Cornell University 1998  
PHD1 Cornell University 1998  
MD Cornell University 1999

Matthew S Bosner, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BS Muhlenberg College 1979  
MD University of Texas Austin 1983

William G Bowen, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD University of North Carolina 1974  
BS Davidson College 1970

Lyndsey Jean Bowman, PHD  
Adjunct Instructor in Medicine (primary appointment)  
PHD St Louis College of Pharmacy 2005

Sabina A Braithwaite, MPH, MD  
Associate Professor of Emergency Medicine In Medicine (primary appointment)  
MPH University of South Florida 2009  
BS Georgetown University 1986  
MD Medical College of Virginia 1991

Joseph Brancheck, MD  
Instructor in Medicine (primary appointment)  
MD University of Illinois 2013

Richard D. Brasington Jr, MD  
Professor of Medicine (primary appointment)  
Professor of Ophthalmology and Visual Sciences  
BA Harvard University 1974  
MD Duke University 1980

Alan C Braverman, MD  
Alumni Endowed Professor of Cardiovascular Disease in Medicine (primary appointment)
BA University of MO Kansas City 1984
MD University of Missouri 1985

Andrea Lynn Bredemeyer, PHD
Instructor in Medicine (primary appointment)
BA Colby College 1999
PHD Washington Univ in St. Louis 2006

Audrey Brenot, PHD, BS1, MS
Instructor in Medicine (primary appointment)
PHD University of Paris 2001
BS1 University of Paris 1995
BS University of Paris 1996
MS University of Paris 1997

Thomas J. Brett, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Biochemistry and Molecular Biophysics
Associate Professor of Cell Biology and Physiology
PHD University of Nebraska 1999
BS North Dakota State University 1992

Matthew Brinkmeier, MD, BS1
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2007
BS1 Washington Univ in St. Louis 2001

Natalia Brito Rivera, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2016
BA Cornell University 2011

Steven L Brody, MD
Dorothy R and Hubert C Moog Professor of Pulmonary Diseases
in Medicine (primary appointment)
Professor of Radiology
MD University of Michigan 1980

Rita Thomas Brookheart, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pediatrics
BA Sweet Briar College 2003
PHD Washington Univ in St. Louis 2009

Christopher B. Brooks, MD
Associate Professor of Emergency Medicine in Medicine
(primary appointment)
MD Georgetown University 1982

Angela L Brown, MD
Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1992
BS Southern Methodist University 1987

David L. Brown, MD
Professor of Medicine (primary appointment)
BA University of Texas Austin 1977
MD Baylor University 1982

Jeffrey Wade Brown, PHD, MD
Instructor in Medicine (primary appointment)
PHD Boston University 2012
MD Boston University 2012

Lawrence R Brown, PHD, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS Univ of Wisconsin Madison 1982
PHD Washington Univ in St. Louis 1989
MD Washington Univ in St. Louis 1990

Robert M Bruce, MD
Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1964
BS University of Minnesota 1968
MD University of Minnesota 1968

Kathleen S Brunts, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1981
BS Western Michigan University 1977

Stanley Buck, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1977
BS Princeton University 1973

Philip J Budge, MD, BS1, PHD
Assistant Professor of Medicine (primary appointment)
BS Brigham Young University 1998
MD Vanderbilt University 2007
BS1 Brigham Young University 1998
PHD Vanderbilt University 2003

Benjamin Paul Buettner, MD
Instructor in Medicine (primary appointment)
BS Miami University 2012
MD Wright State University 2016

Scott H Burner, MD
Associate Professor of Emergency Medicine in Medicine
(primary appointment)
MD Medical University of Sth Car 1978

Jason P Burnham, MD, BS1
Assistant Professor of Medicine (primary appointment)
BS Southwestern University 2008
MD University of Texas Galveston 2012
BS1 Southwestern University 2008

Donald F Busiek, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1974
MD University of Missouri 1983

Alicia Haywood Busso, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of MO Kansas City 2004
BA University of MO Kansas City 2004

Anne Mobley Butler, MS, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Surgery (Public Health Sciences)
MS Harvard University 2006
BS Emory University 2003
PHD University of North Carolina 2014

Melvin J Butler
Instructor in Clinical Medicine (primary appointment)

Derek E Byers, MD, PHD
Associate Professor of Medicine (primary appointment)
BS University of Oklahoma 1993
MD University of Texas Southwest 2001
PHD University of Texas Southwest 2001

Jonathan Nicholas Byrd, BS1, MD
Assistant Professor of Clinical Medicine (primary appointment)
BS1 Tulane University 2007
MD Washington Univ in St. Louis 2011

Galileu Cabral, MD
Associate Professor of Clinical Medicine (primary appointment)
MD School Not Listed 1964

Matthew David Cain, PHD
Assistant Professor of Medicine (primary appointment)
BS Rhodes College 2007
PHD Washington Univ in St. Louis 2014

John William Campbell, MD
Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1977
BA Washington Univ in St. Louis 1973

Jian Li Campian, MS, MD, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Neurological Surgery
MS Peking Union Medical College 2000
MD Tianjin Medical University 1997
PHD University of Louisville 2003

Maria J Canizares, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA Saint Louis University 1996
MD Saint Louis University 2001

Rosemary L Cannistraro, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1992

Song Cao, PHD, BE
Instructor in Medicine (primary appointment)
PHD Zhejiang Medical University 2003
BE Harbin Normal University 1999

Rebecca Goodwin Carey
Adjunct Instructor in Medicine (primary appointment)

Abigail L Carlson, MD
Assistant Professor of Medicine (primary appointment)
BA Wellesley College 2005
MD Johns Hopkins University 2010

Kim Alan Carmichael, MD
Professor of Medicine (primary appointment)
MD Virginia College 1978

Christopher Robert Carpenter, MD
Professor of Emergency Medicine in Medicine (primary appointment)
MD Wayne State University 1994

David B Carr, MD
Professor of Medicine (primary appointment)
Alan A and Edith L Wolff Distinguished Professor of Geriatric Medicine
Professor of Neurology
BA University of MO Columbia 1981
MD University of MO Columbia 1985

Scott Carrizales, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
MD Uniformed Serv U of Health Sciences 1996
BA University of Texas Austin 1992

Amanda Fishback Cashen, BS1, MD
Associate Professor of Medicine (primary appointment)
Executive Chair Washington University Institutional Review Board
BS Yale University 1995
BS1 Yale University 1995
MD Washington Univ in St. Louis 1999

Roque Castillo, MD
Assistant Professor of Medicine (primary appointment)
MD Universidad Peruana Cayetano 1993

Mario Castro, M PH, MD
Professor of Medicine (primary appointment)
Alan A and Edith L Wolff Distinguished Professor
Professor of Pediatrics
Professor of Radiology
BA University of MO Kansas City 1988
M PH Saint Louis University 1998
MD University of Missouri 1988

Lilibeth Maria Cayabyab-Loe, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Saint Louis University 1986
MD University of Missouri 1990

Hamza Celik, PHD
Instructor in Medicine (primary appointment)
BS University of Westminster 2009
PHD AIX-MARSEILLE UNIVERSITY 2013
Murali M Chakinala, MD
Professor of Medicine (primary appointment)
BS Duke University 1990
MD Vanderbilt University 1994

Grant A Challen, PHD
Associate Professor of Medicine (primary appointment)
PHD University of Queensland 2006

Philip Chan, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
BA Northwestern University 2009
MD Northwestern University 2013

Dennis Tian-Shu Chang, MD, MED
Associate Professor of Medicine (primary appointment)
MD University of Chicago 2003
MED University of Chicago 2003
BS Yale University 1999

Kae Pyng Chang, MD
Instructor in Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1991
MD University of Missouri 1995

Monica Chang-Panesso, MD
Assistant Professor of Medicine (primary appointment)
MD Texas Tech University 2009

Douglas Char, MD, MA
Professor of Emergency Medicine in Medicine (primary appointment)
BS Boston College 1983
MD University of Hawaii 1989
MA Boston University 1985

Siroth Charnond, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Kansas City 1995
BA University of MO Kansas City 1995

Lewis Robert Chase, MD
Professor of Medicine (primary appointment)
BA Princeton University 1960
MD Harvard University 1964

Salman Chaudhry, MBBS
Instructor in Medicine (primary appointment)
MBBS Agha Khan University, Pakistan 2007

Lakshmi Ramya Chelapareddy, MBBS
Instructor in Medicine (primary appointment)
MBBS Dr. NTR University of Health S 2010

Alexander Chi Chen, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Surgery (Cardiothoracic Surgery)
MD University of MO Kansas City 2001
MD Albert Einstein College of Med 2002

Rebecca Joy Chibnall, AA, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
BS Washington Univ in St. Louis 2007
AA Washington Univ in St. Louis 2007
MD University of California 2012

Phillip Ruben Chisholm
Instructor in Clinical Medicine (primary appointment)

Jaebok Choi, PHD, BE, MS
Assistant Professor of Medicine (primary appointment)
PHD Baylor University 2006
BE Kyung Pook National University 1996
MS Univ of Nebraska at Omaha 2001

Courtney Darcey Chrisler, MD
Assistant Professor of Medicine (primary appointment)
BS Northwestern University 2003
MD Washington Univ in St. Louis 2007

Matthew Christopher, MD, PHD
Assistant Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 2010
PHD Washington Univ in St. Louis 2010
BA Saint Louis University 1993

Philip Chu Pak-Yu, MD
Instructor in Clinical Medicine (primary appointment)
BS California State Fresno 1986
MD University of CA Los Angeles 1992

Duck Sung Chun, MD
Instructor in Clinical Medicine (primary appointment)

Jeffrey Peter Ciaramita
Instructor in Clinical Medicine (primary appointment)

Thomas Michael Ciesielski, MD
Assistant Professor of Medicine (primary appointment)
MD Oregon Health Science Univers 2010

Vincenza Cifarelli, MS, PHD
Assistant Professor of Medicine (primary appointment)
MS Universita de Modena e Reggio 2005
PHD University of Pittsburgh 2011

Matthew Aaron Ciorba, MD
Associate Professor of Medicine (primary appointment)
MD University of Iowa 2001

Geoffrey Cislo, MD
Assistant Professor of Medicine (primary appointment)
BS University of Michigan 1995
MD University of Michigan 1996

Roberto Civitelli, MD
Sydney M and Stella H Schoenberg Professor of Medicine (primary appointment)
Professor of Cell Biology and Physiology

Professor of Orthopaedic Surgery
MD University of Siena 1980
BS University of Siena 1980

Katherine K Clifton, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Loyola University Chicago 2013
BA Saint Louis University 2009

Dorothy Jean Cline, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA University of Missouri 1973
MD Saint Louis University 1977

William Edward Clutter, MD
Associate Professor of Medicine (primary appointment)
Associate Director of the House Staff Training Program, Department of Internal Medicine
MD Ohio State University 1975
BS Ohio State University 1972

Shari J Cohen, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA University of MO Kansas City 1986
MD University of Missouri 1987

Brian G Cohn, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Alabama 2003

Danita L Cole, MD
Instructor in Clinical Medicine (primary appointment)
BA University of MO Kansas City 1990
MD University of MO Kansas City 1991

Patricia L Cole, MD, MA
Associate Professor of Clinical Medicine (primary appointment)
MD Harvard University 1981
BA Mount Holyoke College 1972
MA Brown University 1975

Roger Barto Cole, PHD, MD, MS
Instructor in Clinical Medicine (primary appointment)
PHD Yale University 2004
MD Washington Univ in St. Louis 2008
MS Yale University 2001
BS Rice University 1997

Sarah F Cole
Instructor in Clinical Medicine (primary appointment)

Laura Ann Colletti-Mann, MD
Associate Professor of Medicine (primary appointment)
MD Boston University 1980

Kim David Colter, MS, MD
Instructor in Clinical Medicine (primary appointment)
Arthur Hamilton Combs, MD
Associate Professor of Clinical Medicine (primary appointment)
MD New York Medical College 1975

Daniel Horatio Cooper, MD
Associate Professor of Medicine (primary appointment)
BS Washington Univ in St. Louis 1999
MD Loyola University Chicago 2003

Matthew Cooper, PHD
Assistant Professor of Medicine (primary appointment)
PHD University of Surrey 2008
BS University of Surrey 2004

Lynn Anne Cornelius, MD, BN
Winfred A and Emma R Showman Professor of Dermatology in Medicine (primary appointment)
MD University of Missouri 1984
BN University of Delaware 1977

Dominique Leah Cosco, MD
Associate Professor of Medicine (primary appointment)
MD Tulane University 2005

Natalie Danielle Cosgrove, MD
Assistant Professor of Medicine (primary appointment)
MD Temple University 2011

John Bernard Costello, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1977
BA Saint Louis University 1974

Carrie Christine Coughlin, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
Assistant Professor of Pediatrics
BA Yale University 2005
MD Washington Univ in St. Louis 2010

Martha Laurin Council, MD
Associate Professor of Medicine (Dermatology) (primary appointment)
BS Louisiana St University 2000
MD Washington Univ in St. Louis 2004

Daniel W Coyne, MD
Professor of Medicine (primary appointment)
MD Case Western Reserve Univ 1983
BA Saint Louis University 1979

Clarissa S. Craft, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
PHD Northwestern University 2007
BS Beloit College 2003

Johnetta M Craig, MD, MBA
Instructor in Clinical Medicine (primary appointment)
MD University of Iowa 1986
BS University of Missouri 1980
MBA University of Pennsylvania 1994

John Jeffrey Cras, MD, MS
Assistant Professor of Medicine (primary appointment)
MD Georgetown University 2003
BS Loyola College 1994
MS Georgetown University 1998

Charles Crecelius, PHD, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Carleton University 1976
PHD Saint Louis University 1984
MD Saint Louis University 1984

Sharon Cresci, MD
Associate Professor of Medicine (primary appointment)
MD New York University 1986
BA State Univ of NY Binghampton 1982

Stephen R Crespin, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Harvard University 1965
MD Harvard University 1960

Jeffrey S Crippin, MD
Professor of Medicine (primary appointment)
BS University of Notre Dame 1980
MD University of Kansas 1984

Paulina Cruz Bravo, MD
Assistant Professor of Medicine (primary appointment)
MD Universidad Automoma de Madrid 2009

Philip E Cryer, MD
Professor Emeritus of Medicine (primary appointment)
Adjunct Professor of Medicine
BA Northwestern University 1962
MD Northwestern University Med 1965

Phillip S. Cuculich, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Radiation Oncology
MD Vanderbilt University 2001

Robert Culverhouse, MA, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Biostatistics
BA Vanderbilt University 1983
MA University of CA Berkeley 1987
PHD Washington Univ in St. Louis 1998

Lenise Andrea Cummings-Vaughn, MD, MS
Associate Professor of Medicine (primary appointment)
MD Saint Louis University 2005
MS San Francisco St University 1998
Robert B Cusworth, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Rochester 1974

Stacy Zhao Dai, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2013
BA Brandeis University 2009

Ann Marie Dale, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Occupational Therapy
PHD Saint Louis University 2009
BS University of MO Columbia 1983

William H Danforth, MD
Professor of Medicine (primary appointment)
Vice Chairman and Chancellor Emeritus
MD Harvard University 1951
BA Princeton University 1947

Ha Xuan Dang, PHD
Instructor in Medicine (primary appointment)
BS HANOI U OF SCIENCE AND TECH 2003
PHD Virginia Tech 2014

Erik D. Daniels, MD
Instructor in Clinical Medicine (primary appointment)
BS Howard University 1985
MD Howard University 1989

John S Daniels, MA, MD
Associate Professor of Clinical Medicine (primary appointment)
MA University of Arkansas 1974
BA Washington Univ in St. Louis 1970
MD University of Arkansas 1974

Peter G Danis
Instructor in Clinical Medicine (primary appointment)

Rand E Dankner, MD
Associate Professor of Clinical Medicine (primary appointment)
BA University of Pennsylvania 1974
MD Baylor University 1978

Maria Cristina Dans, MD
Associate Professor of Medicine (primary appointment)
BA Princeton University 1989
MD Washington Univ in St. Louis 1999

Anthony Trung Dao, MD
Instructor in Medicine (primary appointment)
MD Northeast Ohio Medical U 2016
BS Northeast Ohio Medical U 2012

Bhajan Shewaldas Dara, MD
Instructor in Clinical Medicine (primary appointment)

MD Sindh Medical College 1987
Lakshman Darsi, MBBS
Assistant Professor of Medicine (primary appointment)
MBBS Guntur Medical College 1985
Koushik Kumar Das, MD
Assistant Professor of Medicine (primary appointment)
MD Columbia University 2016
Sundeep Das, MD
Instructor in Clinical Medicine (primary appointment)
MD University College of Med Sci 1986
Debadutta Dash, MA, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MA Harvard University 2018
BA University of Texas Austin 2008
MD Baylor College of Medicine 2013

John D Davidson, MD
Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1952
BA Washington Univ in St. Louis 1948
Nicholas O Davidson, MBBS
Professor of Medicine (primary appointment)
Professor of Developmental Biology
MBBS King's College London 1974

Victor G Davila-Roman, MD
Professor of Medicine (primary appointment)
Professor of Anesthesiology
Professor of Radiology
MD University of Puerto Rico 1981
BS University of Puerto Rico 1977

Andrea Jill Davis, MD, MSN
Instructor in Clinical Medicine (primary appointment)
MD St George's University 2004
MSN Arizona State University 2000
BS Randolph Macon College 1997

James Alvin Davis, MD
Assistant Professor of Medicine (primary appointment)
MD University of Kentucky 1999
BS Morehead St University 1994

Jeffrey M Davis, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD Vanderbilt University 1999

Thomas Edward Davis
Instructor in Clinical Medicine (primary appointment)

Caroline Elizabeth Day, MD, M PH
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1995
BS University of Colorado Boulder 1990
M PH San Diego St University 2005

Thomas M De Fer, MD
Associate Dean of Medical Student Education
Professor of Medicine
BA University of Missouri 1985
MD University of Missouri 1989

Lisa De Las Fuentes, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Biostatistics
MD University of Texas Southwest 1996
BA Stanford University 1991

Anne V Dean, MD
Instructor in Clinical Medicine (primary appointment)
MD Loyola University 1995
BA Bowdoin College 1986

Joshua Thomas Dearborn, PHD, MS
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
PHD University of MO St Louis 2013
BS University of MO St Louis 2005
MS University of MO St Louis 2007

Parakkal Deepak, MBBS
Assistant Professor of Medicine (primary appointment)
MBBS Jawaharlal Institute of PostGr 2004

Angeline Diane DeiSanti, MD
Assistant Professor of Medicine (primary appointment)
MD University of MO Columbia 2003
BS University of MO Columbia 1998

Jennifer A. Delaney, MD
Instructor in Clinical Medicine (primary appointment)
BA Georgetown University 1992
MD Washington Univ in St. Louis 1997

Rowena Bayudan Delos Santos, MD
Assistant Professor of Medicine (primary appointment)
MD Creighton University 2004
BS Creighton University 2000

Bethany L Dement, MD
Instructor in Medicine (primary appointment)
MD Southeast Missouri St Univers 2001

David G. DeNardo, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Pathology and Immunology
PHD Baylor University 2005
BS Willamette University 1999

Amber Zimmer Deptola, MD
Assistant Professor of Medicine (primary appointment)
MD University of Louisville 2012
BS Miami University 2008

Sunny Desai, MS, UNKNOWN
MD Univ of Texas Med Sch Houston 2014

Hanan M Dihowm
Instructor in Medicine (primary appointment)

Li Ding, PHD
Professor of Medicine (primary appointment)
Professor of Genetics
PHD University of Utah 1998

John F Dipersio, PHD, MD
Virginia E and Sam J Golman Professor of Medicine (primary appointment)
Professor of Pathology and Immunology
Professor of Pediatrics
BA Williams College 1973
PHD University of Rochester 1980
MD University of Rochester 1980

Richard M Divalerio, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Notre Dame 1984
MD Washington Univ in St. Louis 1988

Abhinav Diwan, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Cell Biology and Physiology
MD All-India Inst of Medical Sci 1997

Martin A Docherty, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS Edinburgh University 1978
MD Saint Louis University 1983

IrI Joseph Don, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1969
MD Washington Univ in St. Louis 1972

James W Donnelly, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 1986
BA Northwestern University 1982

Balraj Doray, PHD
Associate Professor of Medicine (primary appointment)
PHD University of Illinois 1999
BS Southern Illinois University 1993

Gerald W. Dorn II, MD
Philip and Sima K Needleman Professor of Medicine (primary appointment)
MD Medical University of Sth Car 1981

Aisling Elizabeth Doyle, MD
Instructor in Medicine (primary appointment)
MD University College Cork 2015

William H Dribben, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of North Carolina 1990
BA University of North Carolina 1985

Erik R Dubberke, MD, MPH
Professor of Medicine (primary appointment)
BA Augustana University College 1995
MD University of Illinois 1999
MPH Saint Louis University 2008

James Matthew DuBois, MA, D SC, PHD
Steven J Bander Professor of Medical Ethics and Professionalism (primary appointment)
Professor of Psychological & Brain Sciences
BA Franciscan University Stubenville 1989
MA University of Rhode Island 1990
D SC University of Vienna 1997
PHD Intrnl Academy of Philosophy 1992

Nicole Marie Ducharme, DOST
Instructor in Clinical Medicine (primary appointment)
DOST Univ of Health Sciences KC 2003
BS Muhlenberg College 1998

Carolyn Dufault, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Dean for Education and Technology
BS Mount Holyoke College 1997
PHD Washington Univ in St. Louis 2009

Maria C Dumadag-Sabio, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Missouri 1988
MD University of Missouri 1988

Edward Harry DuMontier
Instructor in Clinical Medicine (primary appointment)

William C Dunagan, MD, MS
Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1983
MS University of Texas Austin 1980
BS University of Texas Austin 1978

Julia Passyn Dunn, MD, MS
Assistant Professor of Medicine (primary appointment)
MD University of South Alabama 2002
MS Vanderbilt University 2010
BS Auburn University 1998

Michael Joseph Durkin, M PH1, MD
Assistant Professor of Medicine (primary appointment)
BA Illinois Wesleyan University 2004
M PH1 University of North Carolina 2015
MD Medical College of Wisconsin 2008

Tiffany Biason Dy, MD
Assistant Professor of Medicine (primary appointment)
BS University of Miami 2005
William Charles Eades Jr, BEE
Associate Professor of Medicine (primary appointment)
BEE MO S&T (formerly UofMO Rolla) 1982

Dayna S Early, MD
Professor of Medicine (primary appointment)
MD University of Missouri 1990
BA University of Missouri 1986

Royal J Eaton, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Missouri 1960
MD University of Missouri 1964

Charmaine E. Edwards, MD
Instructor in Clinical Medicine (primary appointment)
BS Alcorn State University 1987
MD Howard University 1992

John R. Edwards, PHD
Associate Professor of Medicine (primary appointment)
PHD Columbia University 2003

Stilianos Efstratiadis
Assistant Professor of Clinical Medicine (primary appointment)

Russel E Eggebrecht, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1971
BS University of Illinois 1967

Ali A Ehsani, MD
Professor of Medicine (primary appointment)
MD Tehran University 1965

Zamir Eidelman, MD
Associate Professor of Clinical Medicine (primary appointment)
MD School Not Listed 1987

Seth A Eisen, MD, MS
Professor of Medicine (primary appointment)
BA Reed College 1963
MD Washington Univ in St. Louis 1966
MS Harvard University 1989

Linda G Eissenberg, PHD
Assistant Professor of Medicine (primary appointment)
PHD University of North Carolina 1982
BA University of Tennessee 1977

Jack El Sawda
Instructor in Medicine (Pending Dean's Approval) (primary appointment)

Lamice R. El-Kholy, UNKNOWN, MS
Instructor in Clinical Medicine (primary appointment)
UNKNOWN School Not Listed 1982

John Ellena, MD
Associate Professor of Clinical Medicine (primary appointment)
BS Southern Illinois University 1980
MD Southern Illinois University 1983

Melissa Berrien Elliott, PHD
Instructor in Medicine (primary appointment)
BS Eckerd College 2006
PHD Saint Louis University 2014

Charlene Ann Elsworth, PHD, MD
Instructor in Clinical Medicine (primary appointment)
PHD Mass Inst of Technology (MIT) 2004
MD Washington Univ in St. Louis 2008

Amged Eltahir, AB1, MD
Instructor in Clinical Medicine (primary appointment)
AB1 Saint Louis University 2006
MD University of Khartoum 1985

Michelle Lynn Elvington, PHD
Instructor in Medicine (primary appointment)
PHD University of South Carolina 2011
BS Columbia College 2005

Jill Elizabeth Elwing, MD
Assistant Professor of Medicine (primary appointment)
MD University of MO Columbia 2000
BS University of MO Columbia 1996

James Michael Epstein, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1969
BS University of Notre Dame 1965

Gerome V Escota, MD
Assistant Professor of Medicine (primary appointment)
BS University of the Philippines 1999
MD University of the Philippines 2004

Amir Esmaeeli, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2015

Neil A Ettinger, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1983
BS Vanderbilt University 1979

Bradley A Evanoff, M PH, MD
Richard A and Elizabeth Henby Sutter Professor of Occupational, Industrial, and Environmental Medicine in Medicine (primary appointment)
Assistant Dean for Clinical and Translational Research
Professor of Occupational Therapy
M PH University of Washington 1993
MD Washington Univ in St. Louis 1986
BA Cornell University 1982
Kathleen Anne Evans, MD  
Instructor in Medicine (primary appointment)  
MD University of Texas Southwest 2016  
BS University of Oklahoma 2012  
BA University of Oklahoma 2012

Carol Jane Evers, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Brown University 1977  
BA Brown University 1973

Gregory A Ewald, MD  
Professor of Medicine (primary appointment)  
MD Northwestern University 1989  
BS University of Illinois 1985

Elisa Fabbrini, MD, PHD  
Adjunct Assistant Professor of Medicine (primary appointment)  
MD La Sapienza University 1998  
PHD La Sapienza University 2006

Mitch N Faddis, MD, PHD  
Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 1993  
PHD Washington Univ in St. Louis 1993  
BS Kansas State University 1985

Sarah Schwarz Farabi  
Adjunct Assistant Professor of Medicine (primary appointment)

Akinrinola Fatoki, MS  
Instructor in Clinical Medicine (primary appointment)  
MS School Not Listed 1989  
BS School Not Listed 1982

Carol Faulk, MD  
Instructor in Medicine (primary appointment)  
MD Louisiana St University 2014

Todd A Fehniger, MD, PHD  
Associate Professor of Medicine (primary appointment)  
MD Ohio State University 2002  
PHD Ohio State University 2000  
BS State Univ of NY Buffalo 1994

Francesca Ferraro, MD, PHD  
Instructor in Medicine (primary appointment)  
MD University of Parma 2004  
PHD University of Parma 2014

Herman L Ferrell, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Arkansas 1975  
BS University of Arkansas 1973

Mark A Fiala, MSW  
Instructor in Medicine (primary appointment)  
BS Southeast Missouri St Univers 2006  
MSW Washington Univ in St. Louis 2017

Kathryn Lynn Filson, MD  
Instructor in Medicine (primary appointment)  
MD Southern Illinois University 2015

Brian N. Finck, MS, PHD  
Associate Professor of Medicine (primary appointment)  
MS University of Illinois 1996  
PHD University of Illinois 2000  
BS University of Illinois 1994

Lewis Conrad Fischbein, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA University of Rochester 1970  
MD Washington Univ in St. Louis 1974

Peter Uwe Fischer, MS, PHD  
Professor of Medicine (primary appointment)  
MS Free University of Berlin 1991  
PHD University of Hamburg 1996

Norman Fishman, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA School Not Listed 1970  
MD School Not Listed 1974

Sean C. Fitzmaurice, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
MD Saint Louis University 1995  
BS Georgetown University 1989

James M Fleckenstein, MD  
Professor of Medicine (primary appointment)  
Professor of Molecular Microbiology  
BS Xavier University 1981  
MD Saint Louis University 1985

Jaquelyn F Fleckenstein, MD  
Professor of Medicine (primary appointment)  
MD Saint Louis University 1985  
BA Cornell University 1981

Peter Joseph Fletcher, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
MD Univ Texas Health Sci San Anto 2015  
BS Texas A&M University 2009

Emily Fondahn, MD  
Assistant Professor of Medicine (primary appointment)  
MD Northwestern University 2008

Randi Elizabeth Foraker, MA, PHD  
Associate Professor of Medicine (primary appointment)  
BA University of Iowa 1997  
MA University of Iowa 1999  
PHD University North Carolina 2010

Glennon Joseph Fox, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Columbia 1984

**Judy Ann Frain, PHD, BN, MSN**
Adjunct Assistant Professor of Medicine (primary appointment)
PHD University of MO St Louis 2013
BN Webster University 2003
MSN Saint Louis University 2004

**Antonietta Franco, PHD, MS**
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
PHD University of Naples 2016
BS University of Naples 2010
MS University of Naples 2012

**Victoria J Fraser, MD**
Adolphus Busch Professor of Medicine (primary appointment)
Head of the Department of Internal Medicine
MD University of MO Columbia 1983
BS William Woods College 1978

**James Matthew Freer, MD**
Assistant Professor of Medicine (primary appointment)
MD University of MO Columbia 2002
BS Truman State University 1998

**Deborah Frenchie, MD**
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1993
BA Washington Univ in St. Louis 1984

**Ashley Elizabeth Frith, MD**
Assistant Professor of Medicine (primary appointment)
BS Christian Brothers University 2004
MD University of AR Med Sciences 2008

**Brian R. Froelke, MD**
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Cincinnati 2002

**Michael Paul Fuller, MD**
Associate Professor of Clinical Medicine (primary appointment)
BA Brigham Young University 1990
MD University of Utah 1994

**Suzanne Furesz**
Instructor in Clinical Medicine (primary appointment)

**G**

**Gary Gaddis, MD, PHD**
Professor of Emergency Medicine in Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Indiana University School of M 1986
PHD Indiana State University 1984

**Brian F Gage, MS, MD**
Professor of Medicine (primary appointment)
BS Stanford University 1984
MS Stanford University 1995
MD University of California 1988

**Daniel Gaitan, MD**
Associate Professor of Clinical Medicine (primary appointment)
BS University of AL Birmingham 1980
MD University of Mississippi 1986

**Arthur H Gale, MD**
Associate Professor of Clinical Medicine (primary appointment)
MD University of Missouri 1959
BS Washington Univ in St. Louis 1955

**Joseph Lee Galkowski, DOST**
Instructor in Emergency Medicine in Medicine (primary appointment)
BS University of MO Columbia 1990
DOST Kansas Cty Univ Med/Bioscience 1994

**Sumanth Gandra, MA, MD**
Assistant Professor of Medicine (primary appointment)
Professor of Pediatrics
MHS University of Toronto 1988
MBCHB Bristol University 1977

**John A Garcia, MBA, MD**
Instructor in Clinical Medicine (primary appointment)
BA Carleton College 1985
MBA University of MO St Louis 1998
MD University of Illinois 1990

**Jacquelyn B Garrett, MD**
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BS Howard University 1983
MD Howard University 1985

**Francisco J Garriga, MD**
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1970
BS University of Puerto Rico 1966

**Felicitas Z Gatachalian, MD**
Instructor in Clinical Medicine (primary appointment)
MD University of Santo Tomas 1976
BS University of Santo Tomas 1970

**Joseph H Gatewood, MD**
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of Chicago 1970
BA Swarthmore College 1966

**William M Gee, MD**
Instructor in Clinical Medicine (primary appointment)
BA Cornell College 1977
MD Washington Univ in St. Louis 1981

Richard A Geisman, MD
Instructor in Clinical Medicine (primary appointment)
MD Tulane University 1983
BS Saint Louis University 1979

Edward M Geltman, MD
Professor of Medicine (primary appointment)
Assistant Professor of Radiology
MD New York University 1971
BS Mass Inst of Technology (MIT) 1967

Elvin Hsing Geng, MD, MPH
Professor of Medicine (Pending Executive Faculty Approval)
MD Columbia University 2002
BA University of CA Berkeley 1996
MPH Columbia University 2002

Ige A George, MBBS
Assistant Professor of Medicine (primary appointment)
MBBS Christian Medical College 1998

Armin Ghobadi, MD
Assistant Professor of Medicine (primary appointment)
MD Iran Univ of Medical Sciences 2001

Bria D Giacomino, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Midwestern University 2012

Matthew John Gibfried, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Columbia 2003

Kevin James Gibson
Instructor in Emergency Medicine in Medicine (Pending Dean's Approval) (primary appointment)

Stephen James Giddings, PHD, MD
Associate Professor of Medicine (primary appointment)
PHD Dartmouth College 1973
MD University of Rochester 1976
BA Dartmouth College 1968

Thomas J Girard, PHD
Assistant Professor of Medicine (primary appointment)
BS Univ of Wisconsin Oshkosh 1979
PHD Iowa State University 1985

Margo Renee Girardi, MD
Assistant Professor of Medicine (primary appointment)
BS University of Illinois 2001
MD Saint Louis University 2005

Gardar T Gislason
Adjunct Instructor in Medicine (primary appointment)

Josephine Lee Aguhob Glaser
Instructor in Clinical Medicine (primary appointment)

Marye J Gleva, MD
Professor of Medicine (primary appointment)
MD University of Washington 1988
BA Wellesley College 1984

Andrew S Gold, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Illinois 1985
MD University of Iowa 1989

Anne Carol Goldberg, MD
Professor of Medicine (primary appointment)
MD University of Maryland 1977
BA Harvard University 1973

Daniel E Goldberg, MD, PHD
David M and Paula L Kipnis Distinguished Professor (primary appointment)
Professor of Molecular Microbiology
BA Harvard University 1978
MD Washington Univ in St. Louis 1985
PHD Washington Univ in St. Louis 1985

Gregory I Goldberg, PHD, MA
Professor of Medicine (Dermatology) (primary appointment)
Professor of Biochemistry and Molecular Biophysics
PHD Weizmann Institute of Science 1977
MA Moscow State University 1969

Seth Goldberg, MD
Associate Professor of Medicine (primary appointment)
MD University of South Florida 2003
BS University of South Florida 1999

Benjamin M Goldstein, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1994
BA Washington Univ in St. Louis 1960

Felicia Ismay Gomez, PHD
Instructor in Medicine (primary appointment)
PHD George Washington University 2015

Maria Cristina Gonzalez-Mayda, MD
Assistant Professor of Medicine (primary appointment)
MD University of Puerto Rico 2008
BS University of Puerto Rico 2004

Daniel M Goodenberger, MD
Professor of Medicine (primary appointment)
BS University of Nebraska 1970
MD Duke University 1974

David Alan Goran, MD
Assistant Professor of Medicine (primary appointment)
BA University of Michigan 1972
MD Washington Univ in St. Louis 1976
John Gorcsan III, MD  
Professor of Medicine (primary appointment)  
BA Lehigh University 1979  
MD Pennsylvania State University 1983

Mary Jo Gorman, MBA, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Saint Louis University 1981  
MBA Washington Univ in St. Louis 1996  
MD Southern Illinois University 1984

Ramaswamy Govindan, MD  
Professor of Medicine (primary appointment)  
MD University of Madras 1986

Siddhesh Gowda, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD School Not Listed 1970

Gregory Alan Grant, PHD  
Professor of Biochemistry in Medicine (Dermatology) (primary appointment)  
Professor of Developmental Biology  
BS Iowa State University 1971  
PHD Univ of Wisconsin Madison 1975

Alfred Greco, MD  
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
MD University of MO Columbia 1975  
BS University of MO St Louis 1971

Ian Fitzroy Francis Green, MD, MS  
Instructor in Medicine (primary appointment)  
MD Ohio State University 2016  
BS Ohio State University 2011  
MS Ohio State University 2014

Jonathan M Green, MD  
Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
MD Wayne State University 1986  
BS University of Michigan 1982

Aaron Greenspan  
Instructor in Clinical Medicine (primary appointment)

Mark H Gregory, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA University of Vermont 1982  
MD University of Vermont 1986

Richard T Griffey Jr, M PH, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
M PH Harvard University 2004  
MD Norfolk General Hospital 1977

Malachi Griffith, BS1, PHD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Genetics  
BS1 University of Winnipeg 2002  
BS University of Winnipeg 2002  
PHD University of British Columbia 2010

Obi Lee Griffith, PHD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Genetics  
PHD British Columbia Open Univ 2008  
BS University of Winnipeg 2002

Scott D. Groesch, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Illinois 1990  
MD Washington Univ in St. Louis 1994

John R Groll, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Illinois Wesleyan University 1984  
MD University of Illinois 1988

Richard Warren Gross, AB, MD, PHD  
Professor of Medicine (primary appointment)  
Professor of Chemistry  
Professor of Developmental Biology  
AB Columbia University 1972  
MD New York University 1976  
PHD Washington Univ in St. Louis 1982

Brian Anthony Grus, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Pittsburgh 1988  
MD University of Pennsylvania 1992

Guner B Gulmen, MD, PHD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD School Not Listed 1969  
PHD University of Minnesota 1974

Vyjanthanath R. Gunasingham, MD  
Instructor in Clinical Medicine (primary appointment)  
MD School Not Listed 1982  
BS School Not Listed 1975

Mark Cobb Gunby, DOST  
Assistant Professor of Clinical Medicine (primary appointment)  
BS University of Tulsa 1981  
DOST Oklahoma St University 1988

Anjali Gupta, MD  
Instructor in Medicine (primary appointment)  
BS Johns Hopkins University 2010  
MD Univ Texas Health Science Ctr 2015

Maria Gurrieri, DIP, MD  
Instructor in Clinical Medicine (primary appointment)  
DIP School Not Listed 1982  
MD Catholic University 1989

Kamal Gursahani, MBA, MD
Associate Professor of Medicine in Emergency Medicine (primary appointment)
MBA Saint Louis University 2012
BA Columbia University 1997
MD University of MO Columbia 2002

Alexandra Gutiérrez, M PH, MD
Associate Professor of Medicine (primary appointment)
M PH Harvard University 2006
BS Brown University 1996
MD Case Western Reserve Univ 2000

Chandra Prakash Gyawali, MD, MBBS
Professor of Medicine (primary appointment)
MD University of Calicut 1990
MBBS University of Calicut 1985

H

Ramsey R Hachem, MD, BA1, MD1
Professor of Medicine (primary appointment)
Tracey C Marshall - Dr. Elbert P Trulock Distinguished Professor of Medicine
BA Southern Methodist University 1992
MD University of Texas Southwest 1997
BA1 Southern Methodist University 1992
MD1 University of Texas Southwest 1997

Zachary T Hafez, MA, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MA Univ of IL -Urbana-Champaign 2008
BA Univ of IL -Urbana-Champaign 2006
MD University of MO Columbia 2014

Matthew D Hageman, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1996

Jennifer Christine Hagopian
Adjunct Instructor in Medicine (primary appointment)

Ashfaq H Hakim, MBBS, MD
Instructor in Clinical Medicine (primary appointment)
MBBS RNT Medical College 1968
MD RNT Medical College 1973

Ilia Gueorguev Halatchev, MD
Assistant Professor of Medicine (primary appointment)
MD Oregon Health Science Univers 2007

Sarah Eliza Halcomb, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Royal College of Surgeons 2000

Ira McCarthy Hall, PHD
Associate Professor of Medicine (primary appointment)
Associate Director of the Genome Center
Associate Professor of Genetics

PHD Cold Spring Harbor Laboratory 2003
BS University of CA Berkeley 1998

Yasir A Hamad, MD
Assistant Professor of Medicine (primary appointment)
MD University of Juba 2004

Stephanie M Hammer, MD
Instructor in Clinical Medicine (primary appointment)
MD Chicago St University 1995

Janice L Hanson, PHD
Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
PHD University of Michigan 1984

Zahirul Haque
Instructor in Clinical Medicine (primary appointment)

Annie Chamren Harmon, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD University of Michigan 2016
BA University of Evansville 2004
MS Missouri College 2010

Charles A. Harris, MD, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
MD Washington Univ in St. Louis 2002
PHD Washington Univ in St. Louis 2002
BS Brown University 1994

Justin C Hartupee, PHD, MD
Assistant Professor of Medicine (primary appointment)
PHD Case Western Reserve Univ 2008
MD Case Western Reserve Univ 2010

Syed Hasan
Instructor in Medicine (primary appointment)

Jeffrey A Haspel, PHD, MD
Assistant Professor of Medicine (primary appointment)
PHD New York U. School of Medicine 2001
BS Binghamton University 1994
MD New York U. School of Medicine 2003

Anisa Hassan, MD
Instructor in Clinical Medicine (primary appointment)
MD Dow Medical College Karachi 1976

Thomas F Hastings, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1986
BA Rockhurst College 1981

Krysta Lynn Heath, MD
Instructor in Medicine (primary appointment)
MD University of AR Med Sciences 2011

James N Heins, MD
Professor of Clinical Medicine (primary appointment)
Adjunct Professor of Medicine
Laura Elaina Heitsch, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
Assistant Professor of Neurology
MD University of Louisville 1961
BS University of Illinois 1999

Jason M Held, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Anesthesiology
BS Duke University 2001
PHD University of San Francisco 2006

Jeffrey P. Henderson, MD, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Molecular Microbiology
BS Univ of Wisconsin Madison 1994
MD Washington Univ in St. Louis 2002
PHD Washington Univ in St. Louis 2002

Katherine Eileen Henderson, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Minnesota 1998
BS Univ of Wisconsin Madison 1993

Kristina Louise Henderson, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1982
MD Saint Louis University 1991

Daniel Robert Herleth
Instructor in Clinical Medicine (primary appointment)

Catherine Hermann, M ENG, MD
Instructor in Clinical Medicine (primary appointment)
M ENG Univ of Southern Mississippi 1993
BA Truman State University 1992
MD Washington Univ in St. Louis 2000

Leonel F. Hernandez Aya, MD
Assistant Professor of Medicine (primary appointment)
MD Universidad Nacional de Columb 2007

Andreas Herrlich, PHD, MD
Associate Professor of Medicine (primary appointment)
PHD Freie University 1998
MD Freie University 1994

Karin Hickey, MD
Assistant Professor of Medicine (primary appointment)
MD Luliu Hatieganu U of Med 2007

Scot G Hickman, MD
Professor of Medicine (primary appointment)
BA Duke University 1966
MD Washington Univ in St. Louis 1970

Stuart T. Higano, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Massachussetts 1984

SueLin Ming Hilbert, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Utah 2006

Elizabeth Hilliker, MA, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MA Washington Univ in St. Louis 1970
MD Washington Univ in St. Louis 1970
BA Washington Univ in St. Louis 1965

Paul Flack Hintze, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Utah 1978
BS Brigham Young University 1974

Angela Christine Hirbe, MD, PHD
Assistant Professor of Medicine (primary appointment)
BS Washington Univ in St. Louis 2001
MD Washington Univ in St. Louis 2009
PHD Washington Univ in St. Louis 2009

Matifadza G Hlatshwayo, MD, BS1, M PH
Instructor in Medicine (primary appointment)
MD Case Western Reserve Univ 2012
BS Drury College 2005
BS Drury College 2005
M PH Case Western Reserve Univ 2011

Grant S. Hoekzema, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1992

J. Langston Hoffman, MD
Instructor in Clinical Medicine (primary appointment)
BS Univ of Wisconsin Madison 1994
MD Washington Univ in St. Louis 1999

Andreas Herrlich, PHD, MD
Associate Professor of Medicine (primary appointment)
PHD Freie University 1998
MD Freie University 1994

Karin Hickey, MD
Assistant Professor of Medicine (primary appointment)
MD Luliu Hatieganu U of Med 2007

Scot G Hickman, MD
Professor of Medicine (primary appointment)
BA Duke University 1966
MD Washington Univ in St. Louis 1970

Stuart T. Higano, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Massachussetts 1984

SueLin Ming Hilbert, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Utah 2006

Elizabeth Hilliker, MA, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MA Washington Univ in St. Louis 1970
MD Washington Univ in St. Louis 1970
BA Washington Univ in St. Louis 1965

Paul Flack Hintze, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Utah 1978
BS Brigham Young University 1974

Angela Christine Hirbe, MD, PHD
Assistant Professor of Medicine (primary appointment)
BS Washington Univ in St. Louis 2001
MD Washington Univ in St. Louis 2009
PHD Washington Univ in St. Louis 2009

Matifadza G Hlatshwayo, MD, BS1, M PH
Instructor in Medicine (primary appointment)
MD Case Western Reserve Univ 2012
BS Drury College 2005
BS Drury College 2005
M PH Case Western Reserve Univ 2011

Grant S. Hoekzema, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1992

J. Langston Hoffman, MD
Instructor in Clinical Medicine (primary appointment)
BS Univ of Wisconsin Madison 1994
MD Washington Univ in St. Louis 1999

Sandra S Hoffmann, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Kansas 1972
MD University of Kansas 1976

Timothy Richard Holden, MA, MD
Assistant Professor of Medicine (primary appointment)
MA University of Wisconsin 2013
BS Northwestern University 2006
MD University of Minnesota 2010

Melissa Louise Hollie
Instructor in Clinical Medicine (primary appointment)
Christopher Vincent Holthaus, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Saint Louis University 2000

Michael J Holtzman, MD
Selma and Herman Seldin Professor of Medicine (primary appointment)
Professor of Cell Biology and Physiology
BA Northwestern University 1971
MD Northwestern University 1975

Neal Holzum
Instructor in Clinical Medicine (primary appointment)

Hitoshi Honda
Adjunct Assistant Professor of Medicine (primary appointment)

Bruce Jay Hookerman, MD
Assistant Professor Emeritus of Clinical Medicine (Dermatology) (primary appointment)
BA Dartmouth College 1964
MD Saint Louis University 1968

Barbra A Horn, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1982
BA Clark University 1975

Ian Kerst Hornstra, PHD, MD
Associate Professor of Medicine (Dermatology) (primary appointment)
PHD University of Florida 1993
BA University of MO Kansas City 1985
MD University of MO Kansas City 1986

Timothy Adam Horwedel, PHD
Adjunct Instructor in Medicine (primary appointment)
PHD Northeastern University 2008

Jianghui Hou, MS, PHD
Associate Professor of Medicine (primary appointment)
MS Edinburgh University 2000
BS Nanjing University 1999
PHD Edinburgh University 2003

Dennis Emil Hourcade, PHD, MA
Professor of Medicine (primary appointment)
BS Mass Inst of Technology (MIT) 1971
PHD Harvard University 1978
MA Harvard University 1974

Stacey L House, PHD, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS Yale University 1999
PHD University of Cincinnati 2005
MD University of Cincinnati 2007

Jacqueline Howard, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
UNKNOWN School Not Listed 1995

David Thomas Howell
Instructor in Clinical Medicine (primary appointment)

Randall A Howell, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS Kansas State University 1974
MD Kansas State University 1978

Thomas W Hoyt, MD
Instructor in Medicine (primary appointment)
MD University of Iowa 2016
BA MO State U (formerly SW MO St) 2009

Chyi-Song Hsieh, PHD, MD
Professor of Medicine (primary appointment)
Alan A and Edith L Wolf Distinguished Professor
Professor of Pathology and Immunology
PHD Washington Univ in St. Louis 1996
MD Washington Univ in St. Louis 1996

James J Hsieh, PHD, MD
Professor of Medicine (primary appointment)
PHD John Hopkins University 1995
MD Taipei Medical University 1990

Fong Fu Hsu, PHD, MS
Professor of Medicine (primary appointment)
BS School Not Listed 1970
PHD University of Utah 1986
MS Tsinghua University, China 1975

Kevin Hsueh, BS1, MD
Assistant Professor of Medicine (primary appointment)
BS1 Williams College 2003
BS Williams College 2003
MD New York University 2008

Raymond J Hu, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1977
MD University of Missouri 1982

Lily Huang, MD
Instructor in Medicine (primary appointment)
MD Tulane University 2013

Wei-Wei Huang
Instructor in Clinical Medicine (Dermatology) (primary appointment)

Yafei Huang, MS, PHD
Instructor in Medicine (primary appointment)
MS Beijing Medical University 2000
PHD Univ of Texas Med Sch Houston 2007

John W Hubert, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Wabash College 1971
MD Washington Univ in St. Louis 1975

Elizabeth Stack Huebner, MD
Assistant Professor of Medicine (primary appointment)
MD Loyola University Chicago 2000
BA Washington Univ in St. Louis 1995

Jing Hughes, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
MD University of Pennsylvania 2009
BS Stanford University 2002

Michael Evan Hughes, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD Harvard University 2007
MS Stanford University 2002
BS Stanford University 2002

Benjamin Duane Humphreys, PHD, MD, AB
Professor of Medicine (primary appointment)
Professor of Developmental Biology
PHD Case Western Reserve Univ 2000
MD Case Western Reserve Univ 1998
AB Harvard University 1991

Eva A Hurst, MD
Associate Professor of Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 2002

Mark Albert Hurt, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BS Southeast Missouri St Univers 1978
MD University of Missouri 1982

Elaine Joyce Hutchison, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Arizona 2016
BS Cornell College 2011

Richard G. Ihnat, MD
Instructor in Clinical Medicine (primary appointment)
MD Yale University 1991
BS Rutgers University 1987

Belinda K. Ireland, MD
Adjunct Assistant Professor of Medicine (primary appointment)
MD University of MO Columbia 1976

Eva Susanne Istvan, PHD
Associate Professor of Medicine (primary appointment)
HHMI Specialist II
BS University of Houston 1993
PHD University of Texas Southwest 2000

Carolyn M Jachna, MD
Assistant Professor of Medicine (primary appointment)
BS Washington Univ in St. Louis 1993
MD Northwestern University Med 1998

Daryl Jacobs, ME, MD
Instructor in Clinical Medicine (primary appointment)
BS Washington Univ in St. Louis 1977
ME Carnegie Mellon University 1979
MD Washington Univ in St. Louis 1983

Myron H Jacobs, MD
Instructor in Clinical Medicine (primary appointment)
MD Louisiana St Univ Hlth Sci 1969
BA Vanderbilt University 1965

Steven Jacobson, MD
Instructor in Clinical Medicine (primary appointment)
BS Rhodes College 1981
MD Saint Louis University 1985

Meagan A. Jacoby, MD, PHD
Assistant Professor of Medicine (primary appointment)
BS Johns Hopkins University 1996
MD Washington Univ in St. Louis 2005
PHD Washington Univ in St. Louis 2005

Maria Miriam Jacome Sosa, PHD
Instructor in Medicine (primary appointment)
PHD University of Alberta 2013

Nihla Jagadeesan, MD
Instructor in Medicine (primary appointment)
BA Indiana University Purdue 2011
MD Washington Univ in St. Louis 2015
BS Indiana University Purdue 2011

Poonam Jain, MD, JD
Assistant Professor of Medicine (primary appointment)
MD University of Iowa 1988
BS University of Iowa 1984
JD Saint Louis University 2004

Sanjay Jain, PHD, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Pathology and Immunology
BA University of California 1990
PHD Northwestern University 1998
MD Northwestern University 1999

Sudhir Kumar Jain, MBBS
Associate Professor of Medicine (primary appointment)
MBBS Maulana Azad Medical College 1986

George Jarad, MD
Associate Professor of Medicine (primary appointment)
MD Damascus U. Medical School 1993

Sina Jasim, M PH, MBCHB
Assistant Professor of Medicine (primary appointment)
M PH Saint Louis University 2008
MBCHB University of Baghdad 2001

Daniel Racin Jasper, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Texas Austin 1990
MD Saint Louis University 1994

Anuja Java, MD
Assistant Professor of Medicine (primary appointment)
MD Government Medical College 2002

Ali Javaheri, MD, PHD
Instructor in Medicine (primary appointment)
BS University of Chicago 2000
BA University of Chicago 2000
MD University of Chicago 2008
PHD University of Chicago 2006

Donna Beth Jeffe, MA, PHD
Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1972
MA Washington Univ in St. Louis 1990
PHD Washington Univ in St. Louis 1993

Christopher M. Jenkins, PHD
Assistant Professor of Medicine (primary appointment)
PHD Vanderbilt University 1997
BS Michigan State University 1991

Benjamin C. Jennings, PHD
Instructor in Medicine (primary appointment)
BS Univ of Wisconsin Madison 2004
PHD Washington Univ in St. Louis 2018

Maya Jerath, PHD, MS, MD
Professor of Medicine (primary appointment)
PHD University of Texas Austin 1992
MS University of Texas Austin 1990
MD University of Vermont 2000

Joyce Ji, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2016

Xuntian Jiang, PHD
Assistant Professor of Medicine (primary appointment)
PHD China Pharmaceutical Univ 1992

Morris Joffus, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Illinois 1967

Tanner Michael Johannes, PHD, MD
Assistant Professor of Medicine (primary appointment)
BS University of Saint Thomas 2002
PHD University of Minnesota 2010
MD University of Minnesota 2012

Eric Keith Johnson, MD
Assistant Professor of Medicine (primary appointment)
MD Univ of Wisconsin Madison 1999

Reuben D Johnson, BS1, MD, BE
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS1 Morehouse College 1996
MD Howard University College of M 2002
BE Georgia Tech 1996

William F Johnson
Adjunct Instructor in Medicine (primary appointment)

Grace Dizon-Retiro Jones, DO
Instructor in Emergency Medicine in Medicine (primary appointment)
DOST Osteopathy 1996

Gregory D Jones, DO
Instructor in Emergency Medicine in Medicine (primary appointment)
DOST Osteopathy 1994

Heather Jones, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
MD University of Texas Galveston 2011
BS Michigan State University 2007

Amy M Joseph, MD
Professor of Medicine (primary appointment)
BA Johnston Community College 1977
MD Vanderbilt University 1986

Barbara Jost, MD, MS
Assistant Professor of Medicine (primary appointment)
BS University of Missouri 1993
MD Saint Louis University 1997
MS Northwestern University 1995

Randall S Jotte, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
MD Harvard University 1987

Karen Ellen Joynt Maddox, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Social Work
BA Princeton University 2000
MD Duke University 2004

K

Brad S Kahl, MD
Professor of Medicine (primary appointment)
MD Tufts University 1994
BS University of Wisconsin-Madison 1989

Caroline Holleck Kahle, MD
Assistant Professor of Medicine (primary appointment)
MD University of North Carolina 2006

Sona Sharad Kamat
Instructor in Clinical Medicine (primary appointment)

Vinay Gopal Kamat, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Pennsylvania 1994

Deborah Shipley Kane, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of MO Kansas City 2006
BA University of MO Kansas City 2006

Patricia F Kao, MD, BE, MS2
Associate Professor of Medicine (primary appointment)
MD Case Western Reserve Univ 2001
BE Princeton University 1994
MS2 Ohio State University 1997

Divya Kapoor, MD
Assistant Professor of Medicine (primary appointment)
MD University of Washington 2002

Robert S Karsh, MD
Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1951
MD Washington Univ in St. Louis 1952

Andrew M. Kates, MD
Professor of Medicine (primary appointment)
BS Tufts University 1990
MD Tufts University 1994

Shashi Krishna Katukoori, MD, MS
Instructor in Medicine (primary appointment)
MD Saint Louis University 2011
MS Eastern Kentucky University 2010
BS Kakatiya Medical College 2004

David A Katzman, MD
Instructor in Clinical Medicine (primary appointment)
BA Brown University 1986
MD Saint Louis University 1991

Andrew L. Kau, PHD, MD
Assistant Professor of Medicine (primary appointment)
BS Emory University 1998
PHD Washington St University 2006
MD Washington Univ in St. Louis 2006

Charles Kaufman, PHD, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
PHD University of Chicago 2003
MD University of Chicago 2005
BA Washington Univ in St. Louis 1997

Robert L Kaufman, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1959
MD Washington Univ in St. Louis 1963

Brandon David Kayser, PHD
Instructor in Medicine (primary appointment)
BS Chapman University 2007
PHD University of Southern Calif 2014

Elizabeth Jane Keath, PHD
Associate Professor of Medicine (primary appointment)
BA University of MO St Louis 1978
BA University of MO St Louis 1978
PHD Saint Louis University 1985

Dalius Kedainis, MD
Instructor in Clinical Medicine (primary appointment)
MD Kaunas University of Medicine 1998

Eirini Kefalogianni, PHD
Instructor in Medicine (primary appointment)
PHD University of Athens 2007
BS University of Athens 2002

Timothy Lee Kella, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD Saint Louis University 1982
BA Saint Louis University 1978

Jesse Wade Keller, MD
Assistant Professor of Medicine (primary appointment)
BS University of Tulsa 2005
MD Johns Hopkns University Medic 2009

Daniel P Kelly, MD
Adjunct Professor of Medicine (primary appointment)
BS University of Illinois 1978
MD University of Illinois 1982

Peggy Lynn Kendall
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)

Charlotte J Kennedy, MD, PHD
Assistant Professor of Clinical Medicine (primary appointment)
BA Agnes Scott College 1984
MD Washington Univ in St. Louis 1992
PHD Washington Univ in St. Louis 1992

Joseph L Kenzora, MD
Associate Professor of Medicine (primary appointment)
MD University of New Mexico 1975

Martin Hurley Kerrigan, MD
Assistant Professor of Medicine (primary appointment)
MD Jefferson Medical College 2005
BS Saint Josephs University 2001

Ahmed Sultan Khan
Adjunct Instructor in Medicine (primary appointment)

Charbel Chafic Khoury, MD
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Primary Appointment</th>
<th>MD Institution</th>
<th>BS Institution</th>
</tr>
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<tbody>
<tr>
<td>John T. Milliken</td>
<td>Department of Medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomas B Kibby, MD</td>
<td>Instructor in Emergency Medicine in Medicine</td>
<td></td>
<td>MD Eastern Virginia Med School 1979</td>
<td>MPH North Carolina School of the 1988</td>
</tr>
<tr>
<td>Daniel Jason Kichura, MD</td>
<td>Instructor in Medicine</td>
<td></td>
<td>MD Israel Institute of Technology 2012</td>
<td>BA Indiana University 2008</td>
</tr>
<tr>
<td>George Kichura, MD</td>
<td>Instructor in Clinical Medicine</td>
<td></td>
<td>MD Saint Louis University 1993</td>
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<tr>
<td>Mary Kiehl, AS, MD</td>
<td>Assistant Professor of Clinical Medicine</td>
<td></td>
<td>BA University of California 1985</td>
<td>AS Long Beach City College 1976</td>
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<tr>
<td>Kenneth Richard Kilian, MD</td>
<td>Instructor in Clinical Medicine</td>
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<td>MD Saint Louis University 1984</td>
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<td>Charles John Kilo, MD</td>
<td>Instructor in Clinical Medicine</td>
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<td>MD Washington Univ in St. Louis 1991</td>
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<td>Assistant Professor of Medicine</td>
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<td>Brian Kim, MD</td>
<td>Associate Professor of Medicine</td>
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<td>BD Haverford College 2001</td>
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<td>Miriam Yunhee Kim, MD</td>
<td>Instructor in Medicine</td>
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<td>MD Seoul National University 2008</td>
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<td></td>
<td>MD Saint Louis University 2006</td>
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</tr>
</tbody>
</table>
PHD Albert Einstein College of Med 1993

Samuel Klein, MS, MD
Danforth Professor of Medicine (primary appointment)
Professor of Cell Biology and Physiology
MS Mass Inst of Technology (MIT) 1984
MD Temple University 1979
BA Brandeis University 1974

Linda Marie Klutho, MD
Instructor in Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1980
MD University of Missouri 1984

Paula J Knapp-Baker
Instructor in Clinical Medicine (primary appointment)

Eric Knoche, MD
Assistant Professor of Medicine (primary appointment)
BS Davidson College 2001
MD Washington Univ in St. Louis 2006

Carolyn Koenig, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 2002

Adam C Koertner
Instructor in Clinical Emergency Medicine in Medicine (primary appointment)

Ismail Kola, PHD, UNKNOWN
Adjunct Professor of Medicine (primary appointment)
BS Rhodes College 1982
PHD School Not Listed 1985
UNKNOWN Rhodes College 1982

Marin H Kollef, MD
Professor of Medicine (primary appointment)
MD University of Rochester 1983
BS US Military Academy 1979

Herrmann M Koller, MD
Instructor in Medicine (primary appointment)
BS Stanford University 1974
MD Washington Univ in St. Louis 1978

Sri Devi Kolli, MBBS
Instructor in Clinical Medicine (primary appointment)
MBBS Guntur Medical College 1989

Mary E. Koly, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Kansas City 1995
BA University of MO Kansas City 1995

Ajitha Kommalapati, MD
Instructor in Medicine (primary appointment)
MD Baylor College of Medicine 2016
BS University of Texas Austin 2012

Kevin L Konzen, MD
Assistant Professor of Clinical Medicine (primary appointment)

BA University of Notre Dame 1980
MD University of Illinois 1984

Robert G Kopitsky, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Duke University 1982
BS Emory University 1978

Kevin Marc Korenblat, MD
Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1996

Phillip E Korenblat, MD
Professor of Clinical Medicine (primary appointment)
MD University of Arkansas 1960
BA University of Arkansas 1957

Stuart A Kornfeld, MD
David C and Betty Farrell Professor of Medicine (primary appointment)
Professor of Biochemistry and Molecular Biophysics
BA Dartmouth College 1958
MD Washington Univ in St. Louis 1962

Alex H Kosloff, MD
Instructor in Clinical Medicine (primary appointment)
BS Washington Univ in St. Louis 1975
MD Saint Louis University 1980

Attila Kovacs, MD
Professor of Medicine (primary appointment)
BS School Not Listed 1981
MD Semmelweis University of Med 1985

Sandor J Kovacs, MD, PHD, MS
Professor of Medicine (primary appointment)
Adjunct Professor of Physics
Professor of Biomedical Engineering
Professor of Cell Biology and Physiology
MD University of Miami 1979
PHD California Institute Technolo 1977
MS California Institute Technolo 1972
BS Cornell University 1969

Mark S Krasnoff, MD
Instructor in Clinical Medicine (primary appointment)
MD Johns Hopkins University Medic 1991
BA Amherst College 1987

Melissa Renae Kroll, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of Iowa 2013
BA Dordt College 2009

Ronald J Krone, MD
Professor of Medicine (primary appointment)
John E Simon Scholar in Medicine
BA University of Michigan 1962
MD University of Chicago 1966

Elaine Susan Krut, PHD
Adjunct Associate Professor of Medicine (primary appointment)
BS McGill University 1977
PHD McGill University 1982

Thomas Kuciejczyk-Kernan, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Illinois 1982
MD Saint Louis University 1986

Ralph F Kuhlman, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Illinois 1964

Frederick Matthew Kuhlmann, MD
Assistant Professor of Medicine (primary appointment)
MD Emory University 2002
BS Emory University 1998

Anthony Kulczycki Jr, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Molecular Microbiology
BA Princeton University 1966
MD Harvard University 1970

Devesha Hrishikesh Kulkarni, PHD
Instructor in Medicine (primary appointment)
BS University of Pune 2006
PHD Technische U Braunschweig 2013

Hrishikesh Satish Kulkarni, MBBS
Instructor in Medicine (primary appointment)
MBBS Seth G.S. Medical College 2009

Robin A. Kundra, BS1, PHD, MD
Instructor in Clinical Medicine (primary appointment)
BS1 University of Georgia 1992
PHD Washington Univ in St. Louis 2000
MD Washington Univ in St. Louis 2000
BS University of Georgia 1992

David I. Kuperman, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Arkansas 2001
BA Hendrix College 1997

Howard I. Kurz, MEE, BS1, MD
Professor of Medicine (primary appointment)
MEE Princeton University 1980
BS Mass Inst of Technology (MIT) 1979
BS1 Mass Inst of Technology (MIT) 1979
MD New York Medical College 1984

Vladimir Kushmir, MD
Associate Professor of Medicine (primary appointment)
BS University of Utah 2002
MD Ohio State University 2006

Jennie H Kwon, DOST

Assistant Professor of Medicine (primary appointment)
BS Univ of IL -Urbana-Champaign 2005
DOST Chicago Coll of OsteopathicMed 2009
BA Univ of IL -Urbana-Champaign 2005

George B Kyei, MD, MS, PHD
Assistant Professor of Medicine (primary appointment)
MD University of Ghana Medical Sc 1998
MS University of Ghana Medical Sc 2003
PHD University of New Mexico 2007

L

Paul B L'Ecuyer, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Columbia 1989

Albert Max Lai, M PHIL, MS, MA, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Computer Science and Engineering
M PHIL Columbia University 2005
MS Columbia University 2001
BS Columbia University 2000
MA Columbia University 2004
PHD Columbia University 2007

Roop Lal, MS
Instructor in Clinical Medicine (primary appointment)
MS Osmania Medical College 1971

Michael A. Lane, MD, MS
Associate Professor of Medicine (primary appointment)
MD Drexel University 2004
MS John Hopkins University 2000
BA Colgate University 1995

Gabriel David Lang, MD
Assistant Professor of Medicine (primary appointment)
MD University of Illinois Chicago 2009
BA Northwestern University 2004

Gregory Mark Lanza, MS, MD, PHD
Professor of Medicine (primary appointment)
James R Hornsby Family Professor in Biomedical Sciences
Professor of Biomedical Engineering
MS University of Georgia 1978
MD Northwestern University 1992
PHD University of Georgia 1981
BA Colby College 1975

Gina N LaRossa, MD
Assistant Professor of Medicine (primary appointment)
BS Yale University 2001
MD Yale University 2007

Shane Joseph LaRue, MD
Associate Professor of Medicine (primary appointment)
MD Medical College of Wisconsin 2005

John M Lasala, MD, PHD
Professor of Medicine (primary appointment)
Professor of Surgery (Cardiothoracic Surgery)
BA Drew University 1975
MD University of Connecticut 1983
PHD Saint Louis University 1979

Steven A Lauter, MD
Associate Professor of Medicine (primary appointment)
BS Wayne State University 1967
MD Wayne State University 1971

Kory J. Lavine, MD, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Computational Biology
BS Rose Hulman Institute 1992
MD Washington Univ in St. Louis 2008
BS University of Rochester 2001
PHD Washington Univ in St. Louis 2008

Steven Jay Lavine, MD
Professor of Medicine (primary appointment)
MD Temple University 1976
BA Temple University 1972

Steven J Lawrence, MD, MS
Associate Professor of Medicine (primary appointment)
BS Wittenberg University 1982
MD Washington Univ in St. Louis 1992
MS University of London 2004

Eileen May Lee, MD
Assistant Professor of Medicine (primary appointment)
BA University of Iowa 2002
MD University of Iowa 2006

Kim Lynette Lee, MD
Instructor in Clinical Medicine (primary appointment)
BS Washington Univ in St. Louis 1979
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Wang Sik Lee, MA, PHD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
BA Korea University Medical Coll 1978
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Robert B Lehman, MD
Instructor in Clinical Medicine (primary appointment)
BA Texas Tech University 1977
MD Texas Tech University 1982

Daniel John Lenihan, BA1, MD
Professor of Medicine (primary appointment)
BA University of Tennessee 1984
BA University of Tennessee 1984
MD University of Tenn Memphis 1988

Deborah J. Lenschow, PHD, MD
Associate Professor of Medicine (primary appointment)

Associate Professor of Pathology and Immunology
PHD University of Chicago 1995
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Daisy W Leung, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Biochemistry and Molecular Biophysics
Assistant Professor of Pathology and Immunology
BS Amherst College 1997
PHD University of Texas Southwest 2005

Marc Stephen Levin, MD
Professor of Medicine (primary appointment)
BS Mass Inst of Technology (MIT) 1977
MD Columbia University 1981

Mark D Levine, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
MD New York University 1996
BA Washington Univ in St. Louis 1991

Lawrence M Lewis, MD, AA
Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Miami 1976
AA University of Florida 1972

Timothy J Ley, MD
Lewis T and Rosalind B Apple Professor of Medicine (primary appointment)
Professor of Genetics
BA Drake University 1974
MD Washington Univ in St. Louis 1978

Ellen Li, PHD, MD
Adjunct Professor of Medicine (primary appointment)
PHD Washington Univ in St. Louis 1980
MD Washington Univ in St. Louis 1980
BS Stanford University 1974

Han Li, MD
Instructor in Medicine (primary appointment)
BS University of Michigan 2011
MD Washington Univ in St. Louis 2016

Li Li, PHD, MD
Instructor in Clinical Medicine (primary appointment)
PHD Loyola University Chicago 1998
MD Shanghai Medical University 1988

Shunqiang Li, PHD
Assistant Professor of Medicine (primary appointment)
PHD Chinese Academy of Med Science 1999

Tingting Li, MD
Associate Professor of Medicine (primary appointment)
MD State Univ of NY Buffalo 1999
Min Lian, M PH, PhD, MD
Assistant Professor of Medicine (primary appointment)
M PH Fudan University 1999
PhD Texas Tech University 2006
MD Southeast U Medical School 1995

Stephen Yuan-Tung Liang, BA1, MD
Assistant Professor of Medicine (primary appointment)
BA Cornell University 1998
BA1 Cornell University 1998
MD University of Maryland 2004

Adam Nicholas Lick, MD
Instructor in Medicine (primary appointment)
BS Dickinson College 2009
MD Louisiana St Univ Hlth Sci 2016

Charles H Lieu, MD
Instructor in Clinical Medicine (primary appointment)
MD State Univ of NY Buffalo 1993

Kian-Huat Lim, PhD, MD
Assistant Professor of Medicine (primary appointment)
PhD Duke University 2006
MD National Taiwan University 1999

Elizabeth Laura Lin, MD
Instructor in Medicine (primary appointment)
BS University of CA Davis 2007
MD University of CA Irvine 2011

Michael Yun Lin, MD
Associate Professor of Medicine (primary appointment)
BA Harvard University 1990
MD University of Iowa 1994

Kathryn Jesseca Lindley, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Obstetrics and Gynecology
MD Emory University 2007
BS University of Illinois 2003

Brian Richard Lindman, MD, MA
Adjunct Associate Professor of Medicine (primary appointment)
MD Vanderbilt University 2003
MA Reformed Theological Seminary 2001
BS Duke University 1997

Daniel C Link, MD
Alan A and Edith L Wolff Distinguished Professor of Medicine
( primary appointment)
Professor of Pathology and Immunology
BS Univ of Wisconsin Milwaukee 1981
MD Univ of Wisconsin Milwaukee 1985

Marina Litvin, MD
Assistant Professor of Medicine (primary appointment)
MD University of MO Columbia 2008
BA Washington Univ in St. Louis 2003

Jianmei Liu, MS, MD
Assistant Professor of Medicine (primary appointment)
MD Shanghai Medical University 1987
MD Shanghai Medical University 1984

Xinpeng Liu, MS, PhD
Assistant Professor of Medicine (primary appointment)
MS Southeast Missouri St Univers 1999
PhD Washington Univ in St. Louis 2005
BS School Not Listed 1986

Adam Edward Locke, PHD
Assistant Professor of Medicine (primary appointment)
PhD Emory University 2010
BA Lawrence University 2003

Irfan J Lodhi, MS, PhD
Assistant Professor of Medicine (primary appointment)
MS Wayne State University 1996
BS University of Michigan 1993
PhD University of Michigan 2007

Beverly A Logan-Morrison, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1982
BA Webster University 1976

Andrea Loiselle, M PH, MD
Assistant Professor of Medicine (primary appointment)
BS University of California 1995
Gregory D Longmore, MD, MS
Professor of Medicine (primary appointment)
Professor of Cell Biology and Physiology
MD McGill University 1983
BS University of Western Ontario 1977
MS University of Toronto 1979

Dwight C Look, MD
Professor of Medicine (primary appointment)
MD University of MO Kansas City 1985
BA University of MO Kansas City 1985

James F Loomis Jr, MBA, MD
Instructor in Clinical Medicine (primary appointment)
BA Hendrix College 1981
MBA Washington Univ in St. Louis 1997
MD University of Arkansas 1985

Herbert Lubowitz, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Clark University 1954
MD Washington Univ in St. Louis 1958

Philip A Ludbrook, MBBS
Professor Emeritus of Medicine (primary appointment)
Professor Emeritus of Psychiatry
MBBS University of Adelaide 1963
BS School Not Listed 1957

Kenneth M Ludmerer, MD, MA
Professor of Medicine (primary appointment)
Mabel Dom-Reeder Distinguished Professor of the History of Medicine
MD Johns Hopkins University 1973
BA Harvard University 1968
MA Johns Hopkins University 1971

Lauren Michelle Ludwig Lee, MD
Instructor in Clinical Medicine (primary appointment)
MD University of MO Kansas City 2008

Susan L Ludke, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Rochester 1972

Barbara A Lutey, MLS, MD
Assistant Professor of Medicine (primary appointment)
MLS Indiana University Bloomington 1983
BA Indiana University Bloomington 1982
MD University of Iowa 1999

Brandt Thomas Lydon, MD
Instructor in Medicine (primary appointment)
BS Purdue University 2012
MD Indiana State University 2016

Christopher Raymond Lynch
Instructor in Clinical Medicine (primary appointment)

John P Lynch, MD
Professor of Medicine (primary appointment)
MD Georgetown University 1989
BA Saint Louis University 1983

Alan P Lyss, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1976
BA Washington Univ in St. Louis 1972

Carl A Lyss, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1956
BA Washington Univ in St. Louis 1952

Cynthia Xiuguang Ma, MD, PHD
Professor of Medicine (primary appointment)
MD Beijing Medical University 1990
PHD University of Cincinnati 1997

Hongming Ma, PHD, MS
Instructor in Medicine (primary appointment)
PHD Ocean University of China, Qin 2004
MS Fudan University 1996
BA Qufu Normal University 1993

Liang Ma, PHD
Associate Professor of Medicine (Dermatology) (primary appointment)
Associate Professor of Developmental Biology
BA University of CA Berkeley 1989
PHD University of CA Los Angeles 1995

Ningning Ma, MD
Instructor in Medicine (primary appointment)
BA Washington Univ in St. Louis 2009
MD Case Western Reserve Univ 2013

Kelly Mackenzie Macarthur
Assistant Professor of Medicine (Dermatology) (Pending Executive Faculty Approval) (primary appointment)
BA Washington Univ in St. Louis 2007

Julie Kathleen MacPhee, MD
Instructor in Clinical Medicine (primary appointment)
BS Trinity College 2003
MD Albert Einstein College of Med 2008

Thomas M Maddox, MD, MS
Professor of Medicine (primary appointment)
MD Emory University 1999
MS Harvard University 2007
BA Rice University 1993

Blair B Madison, PHD
Assistant Professor of Medicine (primary appointment)
William Edwin Magee, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD Duke University 1950

Leonard B Maggi Jr, PHD, BA1  
Assistant Professor of Medicine (primary appointment)  
BA Cornell College 1995  
PHD Saint Louis University 2001  
BA1 Cornell College 1995

Jambunathan Mahadevan  
Instructor in Clinical Medicine (primary appointment)

Christopher A Maher, PHD  
Associate Professor of Medicine (primary appointment)  
Assistant Director of The Genome Institute  
Associate Professor of Biomedical Engineering  
PHD Stony Brook School of Medicine 2006

Nicole Maher, PHD  
Assistant Professor of Medicine (primary appointment)  
PHD Case Western Reserve Univ 2007  
BA Ithaca College 1998

Mohamed Mahjoub, PHD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Cell Biology and Physiology  
PHD Simon Fraser University 2007  
BS Simon Fraser University 2002

Robert John Mahoney, MD  
Associate Professor of Medicine (primary appointment)  
BA Princeton University 1993  
MD Washington Univ in St. Louis 1997

Elaine Michelle Majerus, MD, PHD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
BA Washington Univ in St. Louis 1986  
BS Washington Univ in St. Louis 1986  
MD Saint Louis University 1998  
PHD Washington Univ in St. Louis 1994

Majesh Makan, MD  
Professor of Medicine (primary appointment)  
MD Univ of Panama School of Med 1984

Mohsin Ilyas Malik, MBBS  
Instructor in Clinical Medicine (primary appointment)  
MBBS Army Medical College 1999

Andrew F. Malone, MBCHB1  
Assistant Professor of Medicine (primary appointment)  
BA Trinity College Dublin 2000  
MBCHB1 Royal College of Surgeons 2005

Kartik Mani, MBBS  
Assistant Professor of Medicine (primary appointment)  
MBBS Delhi University 1998

Shivaprasad Gowda Manjappa, MBBS, MD  
Instructor in Clinical Medicine (primary appointment)  
MBBS Medical College of India 2004  
MD University of Illinois 2011

Caroline Mann, MD, MS  
Associate Professor of Medicine (Dermatology) (primary appointment)  
MD Indiana University Bloomington 1993  
BS Indiana University Bloomington 1986  
MS Sarah Lawrence College 1988

Douglas L. Mann, MD  
Tobias and Hortense Lewin Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
MD Temple University 1979  
BA Lafayette College 1973

Sarah K Margolis, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Barnard College 1984  
MD State University of New York 1989

Jonas Marschall, MD  
Adjunct Assistant Professor of Medicine (primary appointment)  
MD University of Basel 1996

Jay Phillips Marshall II, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD University of Missouri 1972  
BA De Paul University 1968

Ann G Martin, MD  
Associate Professor of Medicine (Dermatology) (primary appointment)  
MD Case Western Reserve Univ 1981  
BS University of Notre Dame 1977

Nathan Russell Martin, MD  
Assistant Professor of Medicine (primary appointment)  
MD University of Texas Southwest 2005  
BA University of Pennsylvania 2001

Thomas F Martin, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD Saint Louis University 1965  
BS Saint Louis University 1961

Wade H Martin III, MD  
Professor of Medicine (primary appointment)  
BA University of Kansas 1973  
MD University of Kansas 1977

Jerald Arthur Maslanko, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Emory University 1975

Mary Vest Mason, MD, MBA
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1994
MBA Washington Univ in St. Louis 1999
BS University of Illinois 1990

Joan Alice Mass, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Temple University 1977
BA Washington Univ in St. Louis 1971

Stanley Mathew, MBBS
Instructor in Clinical Medicine (primary appointment)
MBBS Kerala University 1991

Caline Mattar, MD
Assistant Professor of Medicine (primary appointment)
BS American University of Beirut 2006
MD American University of Beirut 2010

Henry E Mattis, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Illinois 1971
MD Washington Univ in St. Louis 1975

Adam M May, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Loyola University Chicago 2012

Kara H Mayes
Instructor in Clinical Medicine (primary appointment)

Gabriel Mbalaviele, PHD, MA
Associate Professor of Medicine (primary appointment)
PHD University of Paris 1992
MA School Not Listed 1987

Timothy Joseph McCann, MD
Instructor in Clinical Medicine (primary appointment)
BS Saint Louis University 1980
MD American Univ of the Caribbean 1984

Donte D McClary, MD
Instructor in Clinical Medicine (primary appointment)
BS Xavier University 1993
MD Meharry Med College 1998

Kyle Stephan McCommis, PHD
Adjunct Professor of Medicine (primary appointment)
PHD University of MO Columbia 2013
BS University of Kansas 2006

William H. McCoy IV, BS1, MD, PHD
Instructor in Medicine (primary appointment)
BS1 University of Pittsburgh 2002
BS University of Pittsburgh 2002
MD Washington Univ in St. Louis 2013
PHD Washington Univ in St. Louis 2013

Leslie Rose McCrary-Etuk, MD
Instructor in Clinical Medicine (primary appointment)

MD New York Medical College 2001

Jay R. McDonald, MD
Associate Professor of Medicine (primary appointment)
BA Duke University 1991
MD Oregon Health Science Univers 1998
BS Portland St University 1994

Debra Ann McDonnell, MS, AS, DPT
Associate Professor of Emergency Medicine in Medicine (primary appointment)
Associate Professor of Orthopaedic Surgery
Associate Professor of Physical Therapy
BS Washington Univ in St. Louis 1990
MS Washington Univ in St. Louis 1990
AS Oakton Community College 2000
DPT Washington Univ in St. Louis 2005

Peter Joseph McDonnell, MD
Instructor in Medicine (primary appointment)
MD University of Michigan 2016
BS Seattle University 2012

Cheryl Riddle McDonough, MD
Assistant Professor of Medicine (primary appointment)
BS Vanderbilt University 1997
MD University of Tennessee 2001

Colleen McEvoy, MD
Assistant Professor of Medicine (primary appointment)
BS Fairfield University 2004
MD University of MO Columbia 2008

Janet B McGill, MA, MD
Professor of Medicine (primary appointment)
MA Northern Michigan University 1980
MD Michigan State University 1979
BS University of Michigan 1972

Tristan Joy McIntosh, MS, PHD
Instructor in Medicine (primary appointment)
MS University of Oklahoma 2015
BS University of Utah 2013
PHD University of Oklahoma 2018

Oliver McKee, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA McGill University 1975
MD School Not Listed 1981

Clark R McKenzie, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1989
BA University of Missouri 1989

Robert M McMahon, JD, MD
Instructor in Clinical Medicine (primary appointment)
JD University of California 1974
BA University of California 1971
MD Washington Univ in St. Louis 1989

Amy McQueen, PhD, MA  
Associate Professor of Medicine (primary appointment)  
PHD University of Houston 2002  
BA University of CA San Diego 1996  
MA University of Houston 1999

Shail B Mehta, MD  
Assistant Professor of Medicine (primary appointment)  
BS Carnegie Mellon University 2003  
MD University of Pittsburgh 2008

Neha Mehta-Shah, MD  
Assistant Professor of Medicine (primary appointment)  
BA Northwestern University 2005  
MD Northwestern University Med 2009

Carlos R Mejia Chew, MD  
Instructor in Medicine (primary appointment)  
MD Universidad de San Carlos 2008

Anibal G Melo, MD  
Instructor in Clinical Medicine (primary appointment)  
BA University of Missouri 1972  
MD University of Miami 1977

Marc Mendelsohn, MD  
Assistant Professor of Emergency Medicine in Medicine  
(Pending Executive Faculty Approval) (primary appointment)  
BS Brandeis University 2006  
MD Stony Brook School of Medicine 2013

Robert S Mendelsohn, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Washington & Lee 1950  
MD Washington Univ in St. Louis 1954

James Patrick Mendoza, MD, MS  
Instructor in Medicine (primary appointment)  
BS University of Virginia 2009  
MD Commonwealth College 2016  
MS Boston University 2012

Ronald L Mera, MD  
Instructor in Clinical Medicine (primary appointment)  
BS School Not Listed 1970  
MD School Not Listed 1976

Manasa M Metireddy, MD  
Assistant Professor of Medicine (primary appointment)  
MBBS King Edward Medical College 1999

Scott Micek, MD  
Adjunct Instructor in Medicine (primary appointment)  
MD University of Iowa 1999

Gina Michael, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Missouri 1978  
MD Duke University 1982

William Samuel Micka, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 2003  
BA Saint Louis University 1999

Charles William Miller, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
BS School Not Listed 1968  
MD Washington Univ in St. Louis 1972

Christopher A Miller, PhD, BS1  
Instructor in Medicine (primary appointment)  
BS Yale University 1994  
MD Harvard University 2000

Lara Elizabeth Miller, DOST  
Instructor in Clinical Medicine (primary appointment)  
DOST Midwestern University 2000  
BS Carleton College 1996

Mark James Miller, PHD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Pathology and Immunology  
BS University of California 1991  
PHD University of California 1996

Jeffrey R Millman, PHD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Biomedical Engineering  
BS North Carolina State Universit 2005  
PHD Mass Inst of Technology (MIT) 2011

Jason C Mills, AB, PHD, MD, MD1  
Professor of Medicine (primary appointment)  
Professor of Developmental Biology  
Professor of Pathology and Immunology  
AB Washington Univ in St. Louis 1989  
BA Washington Univ in St. Louis 1989  
PHD University of Pennsylvania 1997  
MD University of Pennsylvania 1997  
MD1 University of Pennsylvania 1997

Jaspur J Min  
Instructor in Medicine (primary appointment)
Graeme Mindel, MBBCH, MS  
Instructor in Clinical Medicine (primary appointment)  
MBBCH University of the Witwatersra 1992  
MS University of the Witwatersra 1992  

Jeffrey H Miner, PHD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
PHD California Institute Technolo 1991  
BA Northwestern University 1985  

Jonathan J Miner, PHD, MD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Molecular Microbiology  
Assistant Professor of Pathology and Immunology  
PHD University of Oklahoma 2008  
BS Brigham Young University 2002  
MD University of Oklahoma 2010  

Joshua Delbert Mitchell, BE, MD  
Assistant Professor of Medicine (primary appointment)  
BE John Hopkins University 2000  
MD University of Texas Southwest 2008  

Makedonka Mitreva, PHD, MS  
Professor of Medicine (primary appointment)  
Professor of Genetics  
BS University of Skopje - Macedon 1990  
PHD Wageningen University 2001  
MS University of Skopje - Macedon 1994  

Bettina Mittendorfer, PHD, MS  
Professor of Medicine (primary appointment)  
PHD University of Texas Austin 1999  
MS University of Vienna 1999  

Aaloke Mody, MD  
Instructor in Medicine (primary appointment)  
BA University of CA Berkeley 2006  
BA University of CA Berkeley 2006  
MD Duke University 2012  

Kahee Agid Mohammed, MPE, MD  
Instructor in Medicine (primary appointment)  
MPE Saint Louis University 2015  
MD University of Duhok 2010  

Mahshid Mohseni, MD  
Instructor in Medicine (primary appointment)  
Instructor in Orthopaedic Surgery  
MD Isfahan U of Medical Sciences 2004  

C. Scott Molden, MD  
Instructor in Clinical Medicine (primary appointment)  
BA De Paul University 1968  
MD Case Western Reserve Univ 1972  

Hector D Molina-Vicenty, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Pathology and Immunology  
MD University of Puerto Rico 1985  
BS University of Puerto Rico 1982  

Steven M Mondschein, MD  
Instructor in Medicine (primary appointment)  
BA Grinnell College 1981  
MD Wright State University 1988  

Jennifer Marie Monroy, MD  
Assistant Professor of Medicine (primary appointment)  
MD Univ Texas Health Science Ctr 2008  
BS Incarnate Word College 2003  

Austin F Montgomery, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1950  
MD University of Pittsburgh 1954  
BS University of Missouri 1952  

Sung Ho Moon, PHD, MS  
Instructor in Medicine (primary appointment)  
PHD Washington Univ in St. Louis 2006  
BS Yonsei University 1997  
MS Yonsei University 1999  

Nathan Moore, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Texas College 2007  
MD Washington Univ in St. Louis 2013  

Timothy D Moore  
Instructor in Clinical Medicine (primary appointment)  

Zachary Andrew Morgan, MD  
Instructor in Medicine (primary appointment)  
MD Univ of TN - Health Sci Center 2015  

Daniel Morgensztern, MD  
Associate Professor of Medicine (primary appointment)  
MD FTE Souza Marques 1995  

Sahar Morkos El Hayek  
Instructor in Emergency Medicine in Medicine (Pending Dean's Approval) (primary appointment)  

Donald G Morris, MD, MS  
Instructor in Clinical Medicine (primary appointment)  
MD University of Missouri 1993  
BA Benedictine College 1987  
MS Saint Louis University 1989  

Aubrey R Morrison, MBBS  
Professor of Medicine (primary appointment)  
Professor of Developmental Biology  
MBBS University of London 1970  

Hawnwan P Moy, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD Loyola University Chicago 2008  
BS Benedictine University 2004  

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Jessica Mozersky, MS, PHD  
Assistant Professor of Medicine (primary appointment)  
BS University of Toronto 1998  
MS University of Pennsylvania 2017  
PHD University College London 2010

Richard Gerard Mrad  
Instructor in Clinical Medicine (primary appointment)  
BA University of Missouri 1981

Philip Mudd, PHD, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
PHD Univ of Wisconsin Madison 2011  
MD University of Wisconsin-Madison 2013

Brian D. Muegge, MD, PHD  
Instructor in Medicine (Pending Dean’s Approval) (primary appointment)  
MD Washington Univ in St. Louis 2013  
PHD Washington Univ in St. Louis 2013

Kristen L. Mueller, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD Medical College of Wisconsin 2010

Faquir Muhammad  
Instructor in Clinical Medicine (primary appointment) 

Joshua Mutambuki Muia, PHD  
Instructor in Medicine (primary appointment)  
BA University of Nairobi 2003  
PHD Western Michigan University 2010

Daniel Kast Mullady, MD  
Professor of Medicine (primary appointment)  
MD University of Connecticut 2001

Monalisa Mullick, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
Assistant Professor of Pediatrics  
MD University of MO Kansas City 1997

Michael E Mullins, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD Hahnemann University 1987

Steven Robert Mumm, MS, PHD  
Associate Professor of Medicine (primary appointment)  
BS University of Missouri 1978  
MS University of Missouri 1984  
PHD Saint Louis University 1992

Haris Farooq Murad  
Assistant Professor of Medicine (primary appointment)

Jacob Gregory Murray, MD  
Instructor in Medicine (primary appointment)  
BS University of Iowa 2011  

Amy Musiek, MD  
Associate Professor of Medicine (Dermatology) (primary appointment)  
MD Vanderbilt University 2004  
BS College of William and Mary 1999

Tahsin Mustaque, MBBS  
Instructor in Medicine (primary appointment)  
MBBS Dhaka University 2012

Dharushana Muthulingam, BA1, MS, MD  
Instructor in Medicine (primary appointment)  
BA1 University of CA Berkeley 2005  
MS University of CA Berkeley 2009  
MD University of CA San Francisco 2012  
BA University of CA Berkeley 2005

Umadevi Muthyala  
Instructor in Clinical Medicine (primary appointment)

Anubha Mutneja, MBBS  
Assistant Professor of Medicine (primary appointment)  
MBBS Maulana Azad Medical College 2009

Muithi Mwanthi, MD, PHD, BS1  
Assistant Professor of Medicine (Dermatology) (primary appointment)  
MD Indiana State University 2014  
PHD Indiana State University 2014  
BS1 Clearwater Christian College 2004

Devika Nagaraj  
Instructor in Clinical Medicine (primary appointment)

Elna M Nagasako, PHD, MD  
Assistant Professor of Medicine (primary appointment)  
BS Pomona College 1991  
PHD University of Rochester 2001  
MD Washington Univ in St. Louis 2007

Jyotirmaya Nanda  
Instructor in Clinical Medicine (primary appointment)

Nicola Napoli  
Adjunct Research Assistant Professor of Medicine (primary appointment)

Humaira K Naseer, MD  
Instructor in Medicine (primary appointment)  
MD Dow Medical College Karachi 1986

Arjun Natarajan  
Instructor in Medicine (primary appointment)

Rosanne S Naunheim, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
BA Carleton College 1970
MD University of Chicago 1978

Robert F Nease Jr, PHD, MA
Adjunct Associate Professor of Medicine (primary appointment)
BS University of California 1980
PHD Stanford University 1989
MA Stanford University 1981

Burton M Needles, MD
Instructor in Clinical Medicine (primary appointment)
BS City College 1970
MD Loyola University Chicago 1974

Jeanne M Nerbonne, PHD
Professor of Medicine (primary appointment)
Alumni Endowed Professor of Molecular Biology and Pharmacology in Developmental Biology
BS Framingham State College 1974
PHD Georgetown University 1978

Elizabeth P. Newberry, PHD
Assistant Professor of Medicine (primary appointment)
BA Knox College 1988
PHD Washington Univ in St. Louis 1995

Rodney D Newberry, MD
Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1987
MD Washington Univ in St. Louis 1991

Amy C Ney, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BS Mary Washington College 1997
MD University of Virginia 2001

Nguyet Minh Nguyen, MD, BS1, MD1
Assistant Professor of Medicine (primary appointment)
MD Wayne State University 1993
BS University of Michigan 1989
BS1 University of Michigan 1989
MD1 Wayne State University 1993

Elizabeth Nieman, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
MD University of MO Columbia 2012

Roland Tezeh Njei, MD
Instructor in Medicine (primary appointment)
MD University of Illinois 2016
BS University of Illinois Chicago 2011

Joan P Noelker, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Royal College of Surgeons 2010
BA University of Virginia 2004

Amit Noheria, MS, MD
Assistant Professor of Medicine (primary appointment)
MS Harvard University 2007
MD All-India Inst of Medical Sci 2006

Scott Monroe Nordlicht, MD
Professor of Medicine (primary appointment)
MD State University of New York 1973
BA Columbia University 1969

Tracy Wynette Norfleet, MD
Instructor in Clinical Medicine (primary appointment)
BS Xavier University Louisiana 1998
MD Louisiana St Univ Hlth Sci 2002

Sabrina Nunez, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Genetics
BS University of CA Berkeley 1999
PHD Stony Brook School of Medicine 2007

Samuel R Nussbaum, MD
Professor of Clinical Medicine (primary appointment)
BA New York University 1969
MD School Not Listed 1973

Muhammad Akram Nyazee, UNKNOWN, UNKNOWN1
Instructor in Clinical Medicine (primary appointment)
UNKNOWN Govt College Sarhodha 1968
UNKNOWN1 Nishtar Medical College Multa 1974

Frank Joseph O'Brien, MBBCH
Assistant Professor of Medicine (primary appointment)
MBBCH University College Cork 2006

G Patrick O'Donnell, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Kansas 1972
MD School Not Listed 1977

Jane A O'Halloran, MBBCH
Assistant Professor of Medicine (primary appointment)
MBBCH National University of Irelan 2006

Julie O'Neal, PHD
Instructor in Medicine (primary appointment)
BS University of MO Columbia 1999
PHD Washington Univ in St. Louis 2009

Samuel Aaron Ockner, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
BA Miami University 1980
MD University of Cincinnati 1984

Andrew John Odden, MD
Associate Professor of Medicine (primary appointment)
MD University of Minnesota 2007
BS Gustavus Adolphus College 2003
Devin Christopher Odom, MD  
Assistant Professor of Medicine (primary appointment)  
MD Wake Forest University 2010

Karolyn Ann Oetjen, PHD, MD  
Instructor in Medicine (primary appointment)  
BS Univ of Wisconsin Madison 2003  
PHD University of Michigan 2011  
MD University of Michigan 2011

Gregory Olutosin Ogunnowo, MD  
Instructor in Medicine (primary appointment)  
MD University of South Carolina 2016  
BS Georgia St University 2011

Stephen T. Oh, PHD, MD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Pathology and Immunology  
PHD Northwestern University 2002  
BS Harvard University 1996  
MD Northwestern University 2004

Adewole L. Okunade, PHD  
Associate Professor of Medicine (primary appointment)  
PHD University of Ibadan 1981  
BS University of Ibadan 1975

George Charles Oliver, MD  
Professor Emeritus of Clinical Medicine (primary appointment)  
BA Harvard University 1953  
MD Harvard University 1957

Margaret Olsen, PHD, MPH  
Professor of Medicine (primary appointment)  
Professor of Surgery (Public Health Sciences)  
BS Southern Illinois University 1976  
PHD University of Pennsylvania 1986  
MPH Saint Louis University 2001

Robert F Onder Jr, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1983  
MD Washington Univ in St. Louis 1987

Peter J. Oppelt, MD  
Assistant Professor of Medicine (primary appointment)  
BS Saint Louis University 2004  
MD University of MO Columbia 2008

Mateusz Opynchel, PHD, MD  
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
PHD Rutgers University 2005  
MD Rutgers University 2007

S. Michael Orgel, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1965  
BA Washington Univ in St. Louis 1960

Matthew J Orland, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD University of Miami 1979  
BS Yale University 1975

David William Ortbals, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1970  
BS Saint Louis University 1966

Daniel Scott Ory, MD  
Professor of Medicine (primary appointment)  
Alan A and Edith L Wolff Professor of Cardiology  
Professor of Cell Biology and Physiology  
BA Harvard University 1982  
MD Harvard University 1986

Richard E Ostlund Jr, MD  
Professor of Medicine (primary appointment)  
MD University of Utah 1970  
BS University of Utah 1966

Theodore Otti, UNKNOWN  
Instructor in Clinical Medicine (primary appointment)  
UNKNOWN School Not Listed 1983

Jiafu Ou, MD  
Associate Professor of Medicine (primary appointment)  
MD Sun Yat-Sen University 1995

Edgar Turner Overton, MD  
Adjunct Assistant Professor of Medicine (primary appointment)  
BA University of Tennessee 1992  
MD University of Tennessee 1999

Toshinao Oyama, PHD, MS  
Instructor in Medicine (primary appointment)  
PHD Chiba University 2017  
BS Kitasato University 2000  
MS Chiba University 2002

Vani Pachalla, MD  
Instructor in Clinical Medicine (primary appointment)  
MD School Not Listed 1990

Russell Kent Pachynski, MD  
Assistant Professor of Medicine (primary appointment)  
BS Stanford University 1994  
MD Univ of Wisconsin Madison 2003

Robert C Packman, MD  
Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1953  
MD Washington Univ in St. Louis 1956  
BS University of Missouri 1954

Daniel Marc Paget
Instructor in Medicine (Pending Dean's Approval) (primary appointment)

Michael Alexander Paley, MD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MD University of Pennsylvania 2014

Ross Ian Pals, MD
Instructor in Clinical Medicine (primary appointment)
BS Duke University 1998
MD Vanderbilt University 2002

Kevin Terrence Palka, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
BS Duke University 1995
MD University of Texas Southwest 2001

Peter D Panagos, MA, MD
Professor of Emergency Medicine in Medicine (primary appointment)
Professor of Neurology
MA Boston University 1994
MD Emory University 1994
BA Dartmouth College 1987

Anupam S Pande, MBBS, MS
Assistant Professor of Medicine (primary appointment)
MBBS Byramjee Jeejeebhoy Medical Co 2009
MS University of Texas Houston 2011

Joseph Pangelinan, MA, PHD
Assistant Professor in Medicine (primary appointment)
MA Southeast Missouri St Univers 1995
PHD University of MO St Louis 2015

Andrew Yong-Woo Park, MD
Instructor in Medicine (primary appointment)
MD St. George's University 2006
BA Yale University 1995

Haeseong Park, MD, MS
Assistant Professor of Medicine (primary appointment)
MD Seoul National University 2006
BS Seoul National University 2001
MS Johns Hopkins University Medic 2007

Stephanie Sun-Young Park
Instructor in Clinical Medicine (primary appointment)

David A Parks, MD, MBA
Associate Professor of Clinical Medicine (primary appointment)
BS University of MO Rolla 1979
MD Saint Louis University 1994
MBA Southern Illinois University 1985

Deborah L Parks, MD
Professor of Medicine (primary appointment)
MD University of Louisville 1982

BA Washington Univ in St. Louis 1978

Dilip H. Patel
Instructor in Clinical Medicine (primary appointment)

Namrata N Patel, MD
Instructor in Medicine
MD University of Tennessee 2013

Pravinkumar Manjibhai Patel, MD
Instructor in Medicine (primary appointment)
MD BJ Medical College 1980

Rajiv Nanu Patel, MD
Instructor in Clinical Medicine (primary appointment)
MD Saba University School of Med 2001

Rupa R Patel, MD, M PH
Assistant Professor of Medicine (primary appointment)
MD Wayne State University 2004
M PH Johns Hopkins University 2012
BA University of Michigan 2000

Urvi Patel, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
BA Kent St University 2007
MD University of Tenn Memphis 2011

Amanullah Pathan, UNKNOWN1, UNKNOWN, MS
Assistant Professor in Clinical Medicine (primary appointment)
UNKNOWN1 School Not Listed 1969
UNKNOWN1 School Not Listed 1969

Bruce Patterson, PHD
Professor of Medicine (primary appointment)
BS Southern Illinois University 1974
PHD University of Illinois 1980

Ryan Donald Patterson, MD, MS
Instructor in Medicine (primary appointment)
MD Rutgers University 2016
MS Rutgers University 2011
BS University of Maryland 2010

Philip Richard Orrin Payne, PHD, MA
Professor of Medicine (primary appointment)
Professor of Computer Science and Engineering
Robert J Terry Professor
BA University of CA San Diego 1999
PHD Columbia University 2006
MA Columbia University 2000

Chelsea Elizabeth Pearson, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 2013

Susan E Pearson, BFA, DOST, MS, PHD
Instructor in Clinical Medicine (primary appointment)
BFA Southern Methodist University 1977
DOST School Not Listed 1992
Katrina Sophia Pedersen, MD, MS  
Assistant Professor of Medicine (primary appointment)  
MD Southern Illinois University 2009  
BA Grinnell College 2003  
MS University of Iowa 2005  

Marybeth Pereira, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Swarthmore College 1973  
MD University of California 1978  

Julio E Perez, MD  
Professor of Medicine (primary appointment)  
MD University of Puerto Rico 1973  
BS University of Puerto Rico 1970  

Laurence F Perlstein, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Tulane University 1967  
MD University of Louisville 1974  

Linda R Peterson, MD  
Professor of Medicine (primary appointment)  
Professor of Radiology  
BS Georgetown University 1986  
MD Washington Univ in St. Louis 1990  

Lindsay L Peterson, MD  
Assistant Professor of Medicine (primary appointment)  
BS Tulane University 2000  
MD Tulane University 2006  

Timothy Richard Peterson, PHD  
Assistant Professor of Medicine (primary appointment)  
PHD Mass Inst of Technology (MIT) 2010  
BS University of Michigan 1999  

Allegra Petti, PHD  
Assistant Professor of Medicine (primary appointment)  
BS Lawrence University 2003  
PHD Emory University 2010  

Christine T Pham, MD  
Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
MD University of Florida 1985  
BS University of Florida 1981  

Jennifer A Phillips, MD, PHD, PHD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Molecular Microbiology  
MD University of CA San Francisco 2000  
BA Columbia University 1991  
PHD University of CA San Francisco 2015  
PHD University of CA San Francisco 1998  

William J Phillips, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA Ohio State University 1959  
MD Washington Univ in St. Louis 1963  

Joel Picus, MD  
Professor of Medicine (primary appointment)  
BS University of Illinois 1979  
MD Harvard University 1984  
BA University of Illinois 1979  

Stephen J Pieper, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1983  
MD Washington Univ in St. Louis 1988  

Mark Alan Pinkerton II, MD  
Instructor in Medicine (primary appointment)  
BS University of Alabama 2012  
MD University of Mississippi 2016  

Bryan Douglas Piotrowski, MD  
Assistant Professor of Medicine (primary appointment)  
MD Saint Louis University 2004  

Beatrice Plougastel Douglas, PHD  
Instructor in Medicine (primary appointment)  
PHD University of Pierre et Marie 1994  

Nishant Poddar, MBBS  
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
MBBS Veer Surendra Sai Medical Coll 2000  

Doug Pogue, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1996  

Robert Francis Poirier Jr, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD American U of Carribean SchMed 1999  

Donovan Polack, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Cornell University 1979  

Gregory Polites, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD University of Illinois Chicago 1996  

Kenneth S Polonsky, MBBC  
Adjunct Professor of Medicine (primary appointment)  
MBBC University of the Witwatersra 1973  

Makhawadee Pongruangporn, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Chiang Mai University 2001  

Harish Ponnuru, MD  
Instructor in Clinical Medicine (primary appointment)  
BA University of MO Kansas City 1995  

Assistant Professor of Clinical Medicine (primary appointment)  
BA Ohio State University 1959  
MD Washington Univ in St. Louis 1963  

Joel Picus, MD  
Professor of Medicine (primary appointment)  
BS University of Illinois 1979  
MD Harvard University 1984  
BA University of Illinois 1979  

Stephen J Pieper, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1983  
MD Washington Univ in St. Louis 1988  

Mark Alan Pinkerton II, MD  
Instructor in Medicine (primary appointment)  
BS University of Alabama 2012  
MD University of Mississippi 2016  

Bryan Douglas Piotrowski, MD  
Assistant Professor of Medicine (primary appointment)  
MD Saint Louis University 2004  

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Assistant Professor of Clinical Medicine (primary appointment)  
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Robert Francis Poirier Jr, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD American U of Carribean SchMed 1999  

Donovan Polack, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Cornell University 1979  

Gregory Polites, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD University of Illinois Chicago 1996  

Kenneth S Polonsky, MBBC  
Adjunct Professor of Medicine (primary appointment)  
MBBC University of the Witwatersra 1973  

Makhawadee Pongruangporn, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Chiang Mai University 2001  

Harish Ponnuru, MD  
Instructor in Clinical Medicine (primary appointment)  
BA University of MO Kansas City 1995
MD University of Missouri 1995

William J Popovic, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Saint Louis University 1971
BS John Carroll University 1967

Lee S Portnoff, MD, MA
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)
BS Purdue University 1972
MD Washington Univ in St. Louis 1978
MA University of California 1974

Daniel E Potts, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1972
BS Beaufort Technical College 1968

William G Powderly, MD
J. William Campbell Professor of Medicine (primary appointment)
Larry J. Shapiro Director of the Institute of Public Health
MD National University of Ireland 1979

John A Powell, MD
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)
BS University of Notre Dame 1967
MD University of Michigan 1971

Jennifer Lynn Powers Carson, PHD
Assistant Professor of Medicine (primary appointment)
BS Union University 1988
PHD Georgia Tech 1993

Diana A Prablek, MD
Instructor in Clinical Medicine (primary appointment)
BA Texas Christian University 1984
MD Southwestern University 1988

Lawrence Prablek, MD
Instructor in Clinical Medicine (primary appointment)
BS Southern Methodist University 1984
MD University of Texas Southwest 1988

Simeon Prager, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of California 1991
BA Yale University 1981

Vajravel M Prasad
Adjunct Instructor in Medicine (primary appointment)

Christopher William Prater, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pediatrics
MD Michigan State University 2017

David J Prelutsky, MD
Associate Professor of Clinical Medicine (primary appointment)

MD Saint Louis University 1979
BA Northwestern University 1975

Rachel M. Presti, PHD, MD
Associate Professor of Medicine (primary appointment)
PHD Washington Univ in St. Louis 2001
MD Washington Univ in St. Louis 2001
BA Scripps College 1990

Patricia Elizabeth Prusacyzyk, MSSW, PHD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MSSW Washington Univ in St. Louis 2011
PHD Washington Univ in St. Louis 2017
BA Webster University 2007

Aaron J Pugh
Adjunct Instructor in Medicine (primary appointment)

Edward Puro, PHD, MD, MS
Assistant Professor of Clinical Medicine (primary appointment)
PHD University of Toronto 1970
BS University of Toronto 1962
MD Washington Univ in St. Louis 1975
MS University of Toronto 1966

Iskra Pusic, MD
Assistant Professor of Medicine (primary appointment)
MD University of Zagreb 1997

Usman Qayyum
Instructor in Clinical Medicine (primary appointment)

Nishath Quader, MD
Assistant Professor of Medicine (primary appointment)
BS University of Illinois Chicago 2002
MD Northwestern University 2007

Annabel Quinet De Andrade, MS, PHD1, PHD2
Instructor in Medicine (primary appointment)
BS University of Paris 2007
MS University of Paris 2009
PHD1 University of Paris 2012
PHD2 University of Paris 2012

Patricia M Quinley, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Illinois 1985
MD University of Illinois 1989

Abdul H Qureshi, MS
Instructor in Clinical Medicine (primary appointment)
MS School Not Listed 1992

Radha Devi Radhakrishna Pillai, MBBS
Assistant Professor of Medicine (primary appointment)
MBBS Jawaharial Inst of Med Educ 2006
Srinivasan Raghavan  
Instructor in Clinical Medicine (primary appointment)  

Prabha Ranganathan, MBBS  
Professor of Medicine (primary appointment)  
MBBS Kilpauk Medical College 1990  

Joseph Lee Ransdell, PhD  
Instructor in Medicine (primary appointment)  
BS Univ of Minnesota Twin Cities 2007  
PHD University of MO Columbia 2013  

Srinivasan Dubagunta Rao  
Adjunct Instructor in Medicine (primary appointment)  

Antonella Luisa Rastelli, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Surgery (General Surgery)  
BA University of Verona 1984  
MD University of Verona 1991  

Keith M Ratcliff  
Instructor in Clinical Medicine (primary appointment)  

Gary A Ratkin, MD  
Associate Professor of Clinical Medicine (primary appointment)  
Instructor in Clinical Radiation Oncology  
BA Rice University 1963  
MD Washington Univ in St. Louis 1967  

Lee Ratner, MA, MD, PHD  
Professor of Medicine (primary appointment)  
Alan A and Edith L Wolff Professor of Oncology  
Professor of Molecular Microbiology  
MA Harvard University 1973  
MD Yale University 1979  
PHD Yale University 1979  
BA Harvard University 1973  

Daniel Rauch, BS1, PHD  
Assistant Professor of Medicine (primary appointment)  
BS1 Augustana College 1996  
BS Augustana College 1996  
PHD University of Iowa 2001  

Michael I. Rauchman, MD  
Professor of Medicine (primary appointment)  
Chromalloy Endowed Professor  
Professor of Developmental Biology  
MD McGill University 1984  
BA Tufts University 1980  

Saadia Taufiq Raza, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
BA Emory University 1993  
MD Emory University 1997  

Babak Razani, PHD, MD  
Associate Professor of Medicine (primary appointment)  

Associate Professor of Pathology and Immunology  
PHD Albert Einstein College of Med 2003  
MD Albert Einstein College of Med 2003  

Timothy Patrick Rearden, MD, MS  
Associate Professor of Medicine (primary appointment)  
MD University of MO Columbia 1985  
BS Southeast Missouri St Univers 1979  
MS University of MO Columbia 1981  

Arhaanth D Reddy  
Instructor in Clinical Medicine (primary appointment)  

Kavitha Reddy, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD University of MO Kansas City 2019  
BA University of MO Kansas City 2019  

Katherine Marie Reeder, PHD  
Adjunct Assistant Professor of Medicine (primary appointment)  
PHD University of Iowa 2007  

Dominic N Reeds, MD  
Associate Professor of Medicine (primary appointment)  
BA University of Texas Austin 1992  
MD Texas Tech University 1996  

Susan Robinson Reeds, MD  
Assistant Professor of Medicine (primary appointment)  
BS Haverford College 1990  
MD University of Rochester 1996  

Lester T Reese, MD  
Professor of Clinical Medicine (Dermatology) (primary appointment)  
BS Tulane University 1962  
MD Tulane University 1966  

Allison Ann Regier, MS, PHD  
Instructor in Medicine (primary appointment)  
MS University of Notre Dame 2009  
BS Bethel College 2004  
PHD University of Notre Dame 2011  

Margaret Reiker, MD, UNKNOWN, PHD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1993  
UNKNOWN Saint Louis University 1986  
PHD Saint Louis University 1991  

Melissa Andrea Riemers, MD  
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
BA Washington Univ in St. Louis 2008  
BA Washington Univ in St. Louis 2008  
MD Saint Louis University 2013  

Craig K Reiss, MD  
Professor of Clinical Medicine (primary appointment)
MD University of Missouri 1983
BA University of Missouri 1979

Jacqueline Levy Reiss, MD
Instructor in Clinical Medicine (primary appointment)
BA University of MO Kansas City 1989
MD University of Missouri 1990

Maria Sara Remedi, PHARMD, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
PHARMD University of Cordoba 1989
PHD University of Cordoba 1999
BS University of Cordoba 1987

Zhen Ren
Instructor in Medicine (primary appointment)

Hilary Elizabeth Lee Reno, MD, PHD, MS
Assistant Professor of Medicine (primary appointment)
MD University of Illinois 2002
PHD University of Illinois 2000
MS University of Illinois 1997

Stacey L. Rentschler, PHD, MS, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Biomedical Engineering
Associate Professor of Developmental Biology
PHD Mount Sinai School of Medicine 2002
BS Lehigh University 1995
MS Mount Sinai School of Medicine 2000
MD Mount Sinai School of Medicine 2004

Nicholas R Renz, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
BA University of MO Columbia 2004
MD University of MO Columbia 2008

Michael P Rettig, PHD
Associate Professor of Medicine (primary appointment)
BS Illinois State University 1993
PHD Purdue University 2000

Michael W Rich, MD
Professor of Medicine (primary appointment)
BA University of Illinois 1974
MD University of Illinois 1979

Lois F. Richard, PHD, MD
Assistant Professor of Medicine (primary appointment)
PHD Saint Louis University 1998
BS Murray St University 1982
MD Saint Louis University 1999

Nancy Ridenour
Adjunct Professor of Medicine (primary appointment)

Amy Elizabeth Riek, MD
Assistant Professor of Medicine (primary appointment)

MD Washington Univ in St. Louis 2005
BS Univ of Wisconsin Madison 2001

Caron E Rigden, MD, BFA
Assistant Professor of Medicine (primary appointment)
MD Tulane University 2000
BFA Tulane University 1996

Christopher Rigell, MD
Instructor in Medicine (primary appointment)
MD University of Alabama 2013
BA Vanderbilt University 2009

Joseph Cataquiz Rimando, MD
Instructor in Medicine (primary appointment)
BS University of Georgia 2011
MD Medical College Georgia 2016

Tracy Marie Riordan, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1996
MD Saint Louis University 2000

Elisha D.O. Roberson, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Genetics
BS Western Kentucky University 2004
PHD Johns Hopkins University 2009

Paul Arthur Robiolio, MD, M PHIL
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1989
M PHIL Cambridge University 1985
BS Haverford College 1983

Guillermo Rodriguez Jr, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD National Autonomous U of Mex 1980

M. Reza Rofougaran, MD
Instructor in Clinical Medicine (primary appointment)
MD Tehran University 1988

H. Bryan Rogers, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1965

Felice A Rolnick, MD
Instructor in Clinical Medicine (primary appointment)
MD School Not Listed 1987
BS Union College New York 1982

Arthur G. Romero, PHD
Associate Professor of Medicine (primary appointment)
PHD Univ of Wisconsin Madison 1985
BS Johns Hopkins University 1979

Ernesto J Romo, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of Illinois Chicago 2011
BS University of Dayton 2007

Richard Rood, MD
Professor of Medicine (primary appointment)
MD Wright State University 1982

Bruce A Rosa, PhD, MS
Assistant Professor of Medicine (primary appointment)
BS Lakehead University 2005
PHD Lakehead University 2012
MS Lakehead University 2007

Daniel B Rosenbluth, MD
Professor of Medicine (primary appointment)
Professor of Pediatrics
Tracey C and William J Marshall Professor of Medicine
BS Columbia University 1985
MD Mount Sinai School of Medicine 1989

Anna Roshal, MD
Assistant Professor of Medicine (primary appointment)
MD University of Rochester 1997
BS University of Rochester 1993

Ilana Shaina Rosman, MD
Associate Professor of Medicine (Dermatology) (primary appointment)
Associate Professor of Pathology and Immunology
BA Brown University 2000
MD Washington Univ in St. Louis 2008

Bruce Roth, MD
Professor of Medicine (primary appointment)
MD Saint Louis University 1980

Marcos Rothstein, MD
Professor of Medicine (primary appointment)
MD University of Zulia 1974

Ernest Tuttle Rouse III, MD
Instructor in Clinical Medicine (primary appointment)
BA Princeton University 1967
MD Washington Univ in St. Louis 1971

Jeremy Rower, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Cincinnati 1997
BS University of Cincinnati 1993

Deborah C Rubin, MD
Professor of Medicine (primary appointment)
Professor of Developmental Biology
MD Albert Einstein College of Med 1981
BS Mass Inst of Technology (MIT) 1977

Myra L. Rubio, MD
Associate Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1994
MD Indiana University Bloomington 1998

Lela Ruck, MD
Instructor in Medicine (primary appointment)
MD Texas Tech University 2014

Paetra Ruddy, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
MD University of Iowa 2011
BA Bard College 1997

Peter G Ruminski, MS
Instructor in Medicine (primary appointment)
BS Saint Louis University 1977
BS Saint Louis University 1975
MS Washington Univ in St. Louis 1992

Brent E Ruoff, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
MD Saint Louis University 1981
BS Graceland College 1977

Michael B Rusche
Adjunct Instructor in Medicine (primary appointment)

Tonya D Russell, BS1, MD, MD1
Professor of Medicine (primary appointment)
BS1 University of Florida 1993
BS University of Florida 1993
MD University of Florida 1997
MD1 University of Florida 1997

Joseph F Ruwitch Jr, MD
Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1966

S

Raya Saba, MD
Instructor in Medicine (primary appointment)
MD Damascus University 2011

Molly Sachdev, M PH, MD
Assistant Professor of Medicine (primary appointment)
M PH University North Carolina 2000
MD Duke University 2001

Justin Sadhu, MD
Assistant Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 2007

Mehrdad Saeed-Vafa, MD
Instructor in Clinical Medicine (primary appointment)
MD School Not Listed 2000

Jose Bernardo Saenz, PHD, MD
Instructor in Medicine (primary appointment)
PHD Washington Univ in St. Louis 2009
BA Cornell University 2003
BA Cornell University 2003
Sonny Satnam Saggar
Instructor in Clinical Medicine (primary appointment)

Rajan Sah, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Cell Biology and Physiology
MD University of Toronto 1998

Sana Saif Ur Rehman, MD
Assistant Professor of Medicine (primary appointment)
MD King Edward Medical College 2007

Kaori A. Sakurai
Instructor in Clinical Medicine (primary appointment)

Maamoun Salam, MD
Assistant Professor of Medicine (primary appointment)
MD Damascus U. Medical School 2009

Christine Joan Salter, MD, DC
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1998
BS Reading University 1982
DC Logan College of Chiropractic 1991

Robert J Saltman, MD
Associate Professor of Clinical Medicine (primary appointment)
BA Yale University 1976
MD Washington Univ in St. Louis 1980

John Mark Samet, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1968
BS Washington & Lee 1964

Dmitri Samovski, PHD
Assistant Professor of Medicine (primary appointment)
PHD Hebrew University 2009

Lawrence E Samuels, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 1976
BA University of Texas Austin 1972

Guadalupe Sanchez, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Harvard University 1978
BA Berry College 1974

Sarah Anne Sandberg, MD
Instructor in Medicine (primary appointment)
MD Medical University of Sth Car 2008

Mark Steven Sands, PHD
Professor of Medicine (primary appointment)
Professor of Genetics
PHD State Univ of NY Stonybrook 1990

BS Rochester Institute of Techno 1980

Kristen Marie Sanfilippo, MHS, MD
Assistant Professor of Medicine (primary appointment)
MHS Washington Univ in St. Louis 2012
MD University of MO Columbia 2007
BS Washington Univ in St. Louis 2003

Sumithra Sankararaman, MS, PHD
Instructor in Medicine (primary appointment)
BS Fergusson College 1995
MS Indian Institute Of Technology 1997
PHD Institute of Math Sciences 2003

Daniel Jose Santa Cruz, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Universidad del Buenos Aires 1971

Evelio E. Sardina, PHD, MD, MS
Instructor in Clinical Medicine (primary appointment)
PHD University of South Florida 1990
BA Rutgers University 1985
MD University of South Florida 1994
MS University of South Florida 1988

Gregory Stephen Sayuk, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Psychiatry
MD University of Texas Austin 2000

Lawrence R Schacht, MD
Instructor in Clinical Medicine (primary appointment)
MD Oregon Health Science Univers 1975
BA University Wyoming 1971

Jean E. Schaffer, MD
Adjunct Professor of Medicine (primary appointment)
BA Harvard Radcliff 1982
MD Harvard University 1986

Richard O. Schamp, MD
Instructor in Clinical Medicine (primary appointment)
BA Emporia State University 1974
MD University of Kansas 1978

Jennifer Lynn Scheer, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1994

Erica Lynn Scheller, PHD, DDENT
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
PHD University of Michigan 2011
DDENT University of Michigan 2011
BS Michigan State University 2004

Mark Scheperle, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Missouri 1989
MD University of Missouri 1989

Alvin K Schergen, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1980
BA Washington Univ in St. Louis 1976

Joel D. Schilling, PhD, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pathology and Immunology
PHD Washington Univ in St. Louis 2001
MD Washington Univ in St. Louis 2003
BA Colorado College 1996

Tania L Schmid, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Mississippi 1981
MD University of Mississippi 1985

Richard Urban Schmidt Jr
Instructor in Emergency Medicine in Medicine (primary appointment)

Robert Jay Schneider, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Johns Hopkins University 1976
BA Johns Hopkins University 1973

Erin R. Schockett, MD
Instructor in Clinical Medicine (primary appointment)
MD Brown University 2005

Mark Andrew Schroeder, MD
Associate Professor of Medicine (primary appointment)
MD University of Cincinnati 2003
BS University of Toledo 1999

Alexander E Schuetz, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1991
MD Saint Louis University 1996

Stephen Schuman, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1973

Benjamin D Schwartz, MD, PhD
Professor of Clinical Medicine (primary appointment)
Adjunct Professor of Medicine
BA Columbia College 1965
MD School Not Listed 1972
PHD School Not Listed 1971

David B Schwartz, MA, MD, PhD
Associate Professor of Medicine (primary appointment)
BS University of Michigan 1980
MA Washington Univ in St. Louis 1987
MD Washington Univ in St. Louis 1987
PHD Washington Univ in St. Louis 1986

Evan Stuart Schwarz, MD
Associate Professor of Emergency Medicine in Medicine
MD University of Texas Austin 2005
BA University of Texas Austin 2001

Kristen Ann Scullin-Hartman, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of MO Kansas City 1988

Lynne M Seacord, MD
Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1983

David Seltzer, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Southeastern Illinois College 1993

Jay R Seltzer, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA University of Missouri 1987
MD University of Missouri 1987

Clay F Semenkovich, MD
Irene E and Michael M Karl Professor of Endocrinology and Metabolism in Medicine (primary appointment)
Professor of Cell Biology and Physiology
MD Washington Univ in St. Louis 1981
BA University of Virginia 1977

Deepali Prabir Sen, MBBS, MD
Assistant Professor of Medicine (primary appointment)
MBBS Grant Medical College 1999
MD University of Mumbai 2003

Joseph Michael Seria, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1968
BS St Vincent College 1964

Harvey Serota, MD
Instructor in Clinical Medicine (primary appointment)
BA Johns Hopkins University 1976
MD Johns Hopkins University 1982

James F Sertl, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1966
BA Washington Univ in St. Louis 1962

Liang Shan, PHD, MS
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pathology and Immunology
PHD Johns Hopkins University 2012
MS Fudan University 2007
BS Nankai University 2003

Elaine Yilin Shao, MD
Instructor in Medicine (primary appointment)
BS Wake Forest University 2012
MD East Carolina University 2016

Jieya Shao, PHD
Assistant Professor of Medicine (primary appointment)
PHD Oklahoma St University 2002
BS Nankai University 1996

Rajiv Kumar Sharma
Adjunct Instructor in Medicine (primary appointment)

Gerald Stephen Shatz, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Northwestern University 1970
MD Washington Univ in St. Louis 1974

Nidal Shawahin, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Jordan 1988

Jonathan Holden Sheehan, PHD
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
BA Harvard University 1988
PHD Vanderbilt University 2006

David M. Sheinbein, MD
Associate Professor of Medicine (Dermatology) (primary appointment)
MD Saint Louis University 1995
BA University of CA Berkeley 1987

Mounir M Shenouda, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
UNKNOWN Alexandria University 1984

Adrian Shifren, MBBCH, MS
Associate Professor of Medicine (primary appointment)
MBBCH University of the Witwatersra 1996
MS Washington Univ in St. Louis 2011
BS University of the Witwatersra 1993

Haina Shin, PHD
Assistant Professor of Medicine (primary appointment)
PHD University of Pennsylvania 2009
BA Northwestern University 2004

Bernard L Shore, MD
Professor of Clinical Medicine (primary appointment)
BS Washington Univ in St. Louis 1972
MD Washington Univ in St. Louis 1977

George Ryan Shuert, MD
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of Houston 2006

Robert B Shuman, MD
Associate Professor of Clinical Medicine (primary appointment)
MD University of Missouri 1981
BA Brandeis University 1977

Sherry E Shuman, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Wayne State University 1982
BS University of Michigan 1978

Jeffrey E Siegler, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BS University of California in Ri 2004
MD Ross University School of Medi 2011

Christine A Sigman, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1991
MD Saint Louis University 1996

Jessica Monique Silva-Fisher, PHD
Instructor in Medicine (primary appointment)
PHD Mayo Graduate School 2011
BS St Marys University 2005

Julie Martha Silverstein, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Neurological Surgery
MD Drexel University 2007
BA New York University 2004

Randy B Silverstein, MD
Instructor in Clinical Medicine (primary appointment)

Robert W Sindel, MD
Instructor in Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1969
MD Washington Univ in St. Louis 1975

Sanford S Sinoff, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Brown University 1996
BS Harvard University 1992

Gary Singer, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Toronto 1987

Gurcharan J Singh, MD
Instructor in Clinical Medicine (primary appointment)
MD Delhi University 1975
BS Delhi University 1968

Jasvinder Singh, MD
Associate Professor of Medicine (primary appointment)
MD Fiji School of Medicine 1988

Nathan Singh, MD, MS
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
BA Haverford College 2006
MD University of Pennsylvania 2013
BA Haverford College 2006
MS University of Pennsylvania 2013
Sudhir Man Singh, MBBS
Instructor in Medicine (primary appointment)
MBBS Chittagong Medical College 2004

Marc Alan Sintek, MD
Assistant Professor of Medicine (primary appointment)
MD Univ of Nebraska at Kearney 2008

Donald A Skor, MD
Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1973
MD Rush University 1978

Amanda Melanie Smith, PHD
Instructor in Medicine (primary appointment)
PHD Univ of New Castle Medical Sch 2014

Gordon Ian Smith, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD University of Aberdeen 2006
BS University College Chichester 2001
MS University College Chichester 2002

Raymond P Smith, MD
Instructor in Clinical Medicine (primary appointment)
BA Vassar College 1980
MD University of Virginia 1984

Timothy Robert Smith, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Mississippi 1989
BS University of Mississippi 1983

Timothy W. Smith, MD, PHD
Professor of Medicine (primary appointment)
MD Duke University 1993
BS Duke University 1986
PHD Oxford University 1989

Michael C Snyder
Adjunct Instructor in Medicine (primary appointment)

Sandeep Sodhi, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD University of Illinois 2010

Allen D Soffer, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1983

Dorothy Katherine Sojka, PHD
Instructor in Medicine (primary appointment)
PHD University of Rochester 2011

Stephanie Rose Solomon, PHD
Adjunct Assistant Professor of Medicine (primary appointment)
BS Ohio State University 2001
PHD Emory University 2008

Rand Washburn Sommer, MD
Associate Professor of Clinical Medicine (primary appointment)
BS Davidson College 1976
MD Washington Univ in St. Louis 1980

Hani Charles Soudah, MD, PHD
Associate Professor of Clinical Medicine (primary appointment)
MD School Not Listed 1983
PHD School Not Listed 1988

George Souroullas, PHD
Assistant Professor of Medicine (primary appointment)
PHD Baylor University 2010
BA Ohio Wesleyan University 2004

William F Southworth, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1969
MD Washington Univ in St. Louis 1975

James Joseph Spadaro Jr, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Louisiana St University 1976

Michael L Spearman, MD
Instructor in Clinical Medicine (primary appointment)
BS Kansas State University 1978
MD University of Kansas Medical 1982

Andrej Spec, MD
Assistant Professor of Medicine (primary appointment)
BS Loyola University Chicago 2005
MD University of Illinois 2010

David H. Spencer, MD, PHD
Assistant Professor of Medicine (primary appointment)
BS University of Washington 2001
MD University of Washington 2010
PHD University of Washington 2008

John Spertus
Adjunct Professor of Medicine (primary appointment)

Michael Spezia
Instructor in Clinical Medicine (primary appointment)

Erik Christian Stabell, MD
Instructor in Clinical Medicine (primary appointment)
BA New College California 1976
MD School Not Listed 1983

Paul M Stein, MD
Professor of Clinical Medicine (primary appointment)
MD Saint Louis University 1971
BA University of Rochester 1967

Phyllis K Stein, PHD, M ED
Associate Professor of Medicine (primary appointment)
PHD University of Virginia 1990
BA Barnard College 1982
M ED University of Virginia 1987

Richard Ian Stein, PHD
Associate Professor of Medicine (primary appointment)
PHD Arizona State University 2000

Emily Steiner, MD
Instructor in Medicine (primary appointment)
BA Case Western Reserve Univ 2009
MD University of Toledo 2013

William F Stenson, MD
Dr Nicholas V Costrini Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1971
BS Providence College 1967

Barbara B Sterkel
Adjunct Associate Professor of Medicine (primary appointment)

Kara Ellen Sternhell-Blackwell, MD, MA
Associate Professor of Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 2005
BA Washington Univ in St. Louis 1999
MA Washington Univ in St. Louis 2003

Sean P Stickles, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
BA State Univ of NY Buffalo 2004
MD New York Medical College 2008

Nathan O. Sitzlial, MD, BA1, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Genetics
BA Washington Univ in St. Louis 1998
MD University of Illinois Chicago 2006
BA1 Washington Univ in St. Louis 1998
PHD University of Illinois Chicago 2006

Keith Evan Stockerl-Goldstein, MD
Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1986
MD University of CA Los Angeles 1991

James Andrew Stokes, MD
Instructor in Clinical Medicine (primary appointment)
BA Stanford University 1976
MD University of Missouri 1984

Michael Gary Stone, MD
Instructor in Clinical Medicine (primary appointment)
MD Kansas Cty Univ Med/Bioscience 2008

Cristina Strong, PHD
Assistant Professor of Medicine (Dermatology) (primary appointment)
PHD University of Alabama 2002

Christopher Michael Sturgeon, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
BS Carleton University 2001

PHD University of British Columbia 2006

Xinning Su, PHD, MS
Instructor in Medicine (primary appointment)
PHD Nanjing Agriculture Univ 2006
BS Shifezi Medical College 1996
MS Nanjing Agriculture Univ 2003

Xiong Su, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
BS Beijing University 1998
PHD Washington Univ in St. Louis 2004

Hamsh Subramanian, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
BS St. Joseph's Convent - Trichy 1986
UNKNOWN Thanjore Medical College 1990

Hani Suleiman, MD
Assistant Professor of Medicine (primary appointment)
MD Regensburg University 2007

Kaharu Sumino, PHD, MD, M PA
Associate Professor of Medicine (primary appointment)
PHD Yokohama City Univ Sch Med 1999
MD Yokohama City Univ Sch Med 1992
M PA Johns Hopkins University 2008

William Craig Summers, MD
Instructor in Clinical Medicine (primary appointment)
MD University of AL Birmingham 1999
BS University of Alabama 1994

Rama Suresh, MBBS
Associate Professor of Medicine (primary appointment)
MBBS University of Madras 1993

Rudee Suwannasri, MD
Instructor in Clinical Medicine (primary appointment)
MD Chiang Mai University 1973
BS Chiang Mai University 1971

Bridgette B Svancarek, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of MO Columbia 2006
BA Saint Louis University 2001

Elzbieta Anna Swietlicki, MS, PHD
Assistant Professor of Medicine (primary appointment)
MS Medical Academy Lodz 1975
PHD Medical Academy Lodz 1981

Laneshia K Tague, MD
Instructor in Medicine (primary appointment)
BS Northwestern University 2007
MD Northwestern University Med 2011
Mohammad Tahir, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Dow Medical College Karachi 1976

Benjamin R Tan, MD  
Associate Professor of Medicine (primary appointment)  
BS University of the Philippines 1985  
MD University of the Philippines 1990

David Tan, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD Loma Linda University 1997  
BS Union College Nebraska 1992

Kongsak Tanphaichitr, MD  
Professor of Clinical Medicine (primary appointment)  
MD Siriraj Medical School 1970

Richard S Tao, MIM, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
MIM Indiana State University 1999  
BA Indiana State University 1991  
MD Indiana State University 1995

Heidi H Tastet, MD  
Instructor in Medicine (primary appointment)  
MD Loma Linda University 2005

Arnold S Tepper, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Missouri 1970  
BS School Not Listed 1966

Wanda T Terrell, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1975  
MD Washington Univ in St. Louis 1979

Larissa Bryka Thackray, PHD  
Associate Professor of Medicine (primary appointment)  
PHD U of Colorado Health Sci Ctr 2003  
BS Cornell University 1991

George K. Thampy, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Kerala University 1977

Shaukat Thanawalla  
Instructor in Clinical Medicine (primary appointment)

Daniel Leonidas Theodoro, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD Brown University 1997

J. Allen Thiel, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BS Rockhurst College 1956  
MD Saint Louis University 1960

Mark S Thoelke, MD, PHD  
Professor of Medicine (primary appointment)  
MD University of Illinois 1990  
PHD University of Illinois 1990  
BS University of Illinois 1982

Alex Anthony Thomas, MD  
Instructor in Medicine (primary appointment)  
MD University of Louisville 2015

Benjamin S Thomas, MD  
Adjunct Instructor in Medicine (primary appointment)  
BS Georgia Tech 2002  
MD Mercer University Macon 2009

Theodore Seth Thomas, MS, M PH, MD  
Instructor in Medicine (primary appointment)  
MS University of MO Columbia 2006  
M PH Washington Univ in St. Louis 2017  
MD University of MO Columbia 2010  
BS University of MO Columbia 2005

Erik P Thyssen, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BS Hebel Medical University 2004  
PHD Beijing Institute of Radiation 2009

Lawrence S Tierney, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BS University of Illinois 1984  
MD University of Illinois 1988

Jeffrey P Tillinghast, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BS State University of New York 1976  
MD Washington Univ in St. Louis 1980

Garry S Tobin, MD  
Professor of Medicine (primary appointment)  
BS MO S&T (formerly UofMO Rolla) 1981  
MD Washington Univ in St. Louis 1985

Fadi Tohme, MD  
Adjunct Assistant Professor of Medicine (primary appointment)  
MD St. Joseph University, Beirut 2010

Douglas M Tollefsen, MD, PHD  
Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 1977  
BA Grinnell College 1970  
PHD Washington Univ in St. Louis 1977

Valeria Tosti, MD  
Instructor in Medicine (primary appointment)
Robert R Townsend, MS, MD, PHD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
MS Tulane University 1976  
BS Centenary College 1972  
MD Tulane University 1976  
PHD Johns Hopkins University 1982

Elizabeth A Tracy, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Univ of Wisconsin Milwaukee 1986  
BS Marquette University 1982

Doris Janet Tribune-Brown  
Instructor in Clinical Medicine (primary appointment)

Nikolaos Trikalinos, MD  
Assistant Professor of Medicine (primary appointment)  
MD UNIVERSITY OF IOANNINA 2005

Sandeep Kumar Tripathy, MD, PHD  
Assistant Professor of Medicine (primary appointment)  
BS University of Illinois 1990  
MD University of Chicago 1998  
PHD University of Chicago 1995

Elbert P Trulock III, MD  
Rosemary and I Jerome Fiance Professor of Pulmonary Medicine in Medicine (primary appointment)  
BS Emory University 1968  
MD Emory University 1978

Thomas F Tse, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Nebraska 1972  
MD Univ of Nebraska at Omaha 1976

David J Tucker, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BS University of Notre Dame 1977  
MD Saint Louis University 1981

Dolores R Tucker, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
BS Saint Mary’s College 1958  
MD Washington Univ in St. Louis 1974

Stacey S Tull, M PH, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
BS University of Texas Austin 1993  
M PH Duke University 1997  
MD Duke University 1997

John W Turk, MD, PHD  
Professor of Medicine (primary appointment)  
Alan A and Edith L Wolff Professor of Endocrinology  
Professor of Pathology and Immunology  
MD Washington Univ in St. Louis 1976  
BA Washington Univ in St. Louis 1970  
PHD Washington Univ in St. Louis 1976

Garima Gupta Tyagi, MASTERS, PHD  
Instructor in Medicine (primary appointment)  
MASTERS Institute of Medical Science 2005  
PHD Indian Institute of Science 2011  
BA Delhi University 2003

Robert C. Uchiyama, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Stanford University 1976  
MD Saint Louis University 1980

Mark C Udey, MD, PHD  
Professor of Medicine (Dermatology) (primary appointment)  
MD Washington Univ in St. Louis 1982  
BS Univ of Wisconsin Madison 1975  
PHD Washington Univ in St. Louis 1982

Fumihiko Urano, PHD, MD  
Samuel E Schechter Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
PHD Keio University 1998  
MD Keio University 1994

Geoffrey L Uy, MA, MD, BA1  
Associate Professor of Medicine (primary appointment)  
MA Washington Univ in St. Louis 2001  
MD Washington Univ in St. Louis 2001  
BA Cornell University 1996  
BA1 Cornell University 1996

Justin Marinus Vader, MD  
Assistant Professor of Medicine (primary appointment)  
MD University of Texas Southwest 2006

Brij R Vaid, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Rush University 1992

Albert Lee Van Amburg III, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1968  
MD Washington Univ in St. Louis 1972

Brian Andrew Van Tine, MD, PHD  
Associate Professor of Medicine (primary appointment)  
BS University of Arizona 1995  
MD University of AL Birmingham 2005  
PHD University of AL Birmingham 2005

Gil M Vardi, MD  
Assistant Professor of Clinical Medicine (primary appointment)
MD Tel-Aviv University 1988

Maria Cristina Vazquez Guillamet, MD  
Assistant Professor of Medicine (primary appointment)  
MD Carol Davila U of Medicine 2005

Rodrigo Vazquez Guillamet, MD  
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
MD University of Barcelona 2005

Deborah J Veis, PhD, MD  
Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
PHD Washington Univ in St. Louis 1995  
BA Princeton University 1987  
MD Washington Univ in St. Louis 1995

Stephanie Margaret Velloze, MD  
Instructor in Medicine (primary appointment)  
MD Washington Univ in St. Louis 2015

Emmanuel A Venkatesan, MBBS  
Associate Professor of Clinical Medicine (primary appointment)  
MBBS CMC, Vellore, India 1990

Aaron Martin Ver Heul  
Instructor in Medicine (primary appointment)

Kiran Raj Vij, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Pathology and Immunology  
MD Indira Gandhi Medical College 1993

Ravi Vij, MBBS  
Professor of Medicine (primary appointment)  
BS Delhi University 1991  
MBBS Maulana Azad Medical College 1991

Anitha Vijayan, MD  
Professor of Medicine (primary appointment)  
MD University of the West Indies 1990

Dennis T Villareal, MD  
Adjunct Associate Professor of Medicine (primary appointment)  
MD CEBU Doctor's College of Med 1982  
BS University of San Carlos 1978

Alessandro Vindigni, PhD, MS  
Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
PHD University of Padua 1995  
MS University of Padua 1992

John L Visconti, MD  
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
BS University of MO St Louis 1986  
MD Univ of Health Sciences KC 1990

Benjamin Allen Voss, MD, BA1  
Instructor in Clinical Medicine (primary appointment)

BA Saint Louis University 2003  
MD Creighton University 2007  
BA1 Saint Louis University 2003

Venkata Vosuri, MD  
Instructor in Medicine (primary appointment)  
MD Andhra University 2003

Stanley G Vriezeaer, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Simpson College 1977  
MD University of Iowa 1981

W

Harry Lee Wadsworth, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Texas Tech University 1978  
MD Texas Tech University 1983

Alex Handler Wagner, MS, PhD  
Instructor in Medicine (primary appointment)  
MS University of Iowa 2012  
BS University of Iowa 2008  
PHD University of Iowa 2014

Jason Cass Wagner, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD University of Colorado Denver 2001

Stanley M Wald, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1946

David Wallace, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Saint Anselm College 1980  
MD Saint Louis University 1984

Laura A Wallace, MD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
MD Ohio State University 2012  
BA Indiana University Indianapolis 2017

David A Walls, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Southern Illinois University 1982  
BA Southern Illinois University 1979

Sarah N. Walsh  
Instructor in Clinical Medicine (Dermatology) (primary appointment)

Matthew John Walter, MD  
Professor of Medicine (primary appointment)  
Professor of Genetics  
BS The American University 1990  
MD Saint Louis University 1995
Richard Coburn Walters, MD  
Instructor in Clinical Medicine (Dermatology) (primary appointment)  
MD Washington Univ in St. Louis 1973  
BS University of Illinois 1969

Jean S Wang, MD  
Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 2001  
BA Harvard University 1993  
PHD Washington Univ in St. Louis 2001

Lawrence L. Wang, MD, PHD  
Instructor in Clinical Medicine (Dermatology) (primary appointment)  
MD Washington Univ in St. Louis 2001  
BA Harvard University 1993  
PHD Washington Univ in St. Louis 2001

Leyao Wang, M PH, PHD  
Instructor in Medicine (primary appointment)  
M PH Johns Hopkins University 2017  
BA Nankai University 2017  
PHD Fudan University 2017

Andrea Wang-Gillam, BS1, MD  
Associate Professor of Medicine (primary appointment)  
BS Ouachita Baptist University 1993  
BS1 Ouachita Baptist University 1993  
MD University of AR Little Rock 2001

Saiama Naheed Waqar, MD  
Associate Professor of Medicine (primary appointment)  
MD Aga Khan University 2001

Jeffrey Peter Ward, MD, PHD  
Assistant Professor of Medicine (primary appointment)  
MD SUNY - Empire State College 2010  
BS Wilkes University 2002  
PHD SUNY - Empire State College 2010

Corinna Hendrell Warren, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Southern Illinois University Edwardsville 1990  
MD University of Illinois Chicago 1994

David K. Warren, MD, MPH  
Professor of Medicine (primary appointment)  
MD University of Pittsburgh 1994  
MPH Saint Louis University 2005  
BS Pennsylvania State University 1990

Lukas Delbert Wartman, MD  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 2005  
BS Univ of Wisconsin Madison 1998

Scott P Wasserstrom, MD, MA  
Instructor in Clinical Medicine (primary appointment)  
BS University of Illinois 1990  
MD Washington Univ in St. Louis 1995  
MA Washington Univ in St. Louis 1995

James Richards Watson, MD  
Instructor in Medicine (primary appointment)  
BS University of Virginia 2006  
MD Virginia Commonwealth University 2016

Jason Dean Weber, PHD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
BS Bradley University 1993  
PHD Saint Louis University 1997

H. James Wedner, MD  
Phillip & Arleen Korenblat Professor of Allergy and Immunology in Medicine (primary appointment)  
MD Cornell University 1967  
BS Cornell University 1963

Xiaochao Wei, PHD  
Assistant Professor of Medicine (primary appointment)  
PHD University of Rochester 2007

Kevin D Weikart, MD  
Instructor in Clinical Medicine (primary appointment)  
MD American Univ of the Caribbean 1979

Gary J Weil, MD  
Professor of Medicine (primary appointment)  
Professor of Molecular Microbiology  
BA Harvard University 1971  
MD Harvard University 1975

Katherine N Weilbaecher, MD  
Oliver M Langenbacher Distinguished Professor of Science and Practice of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
Professor of Pathology and Immunology  
BA Harvard University 1987  
MD Stanford University 1992

Carla Joy Weinheimer, MS  
Associate Professor of Medicine (primary appointment)  
BS University of Illinois 1984  
MS Washington Univ in St. Louis 1997

Edmond Weisbart
Assistant Professor of Clinical Medicine (primary appointment)

Alan N Weiss, MD
Professor of Medicine (primary appointment)
BA Ohio State University 1963
MD Ohio State University 1966

Edward P Weiss, PHD, MS
Adjunct Research Assistant Professor of Medicine (primary appointment)
BS Southern Illinois University 1989
PHD University of Maryland 2003
MS Southern Illinois University 1992

Peter Douglas Weiss, MD
Instructor in Clinical Medicine (primary appointment)
MD Case Western Reserve Univ 1980
BA Harvard University 1975

John Sutton Welch, MD, PHD
Associate Professor of Medicine (primary appointment)
MD San Diego St University 2004
BS Brigham Young University 1995
PHD University of CA San Diego 2002

Lynn Ellis Welling, MD
Adjunct Associate Professor of Medicine (primary appointment)
MD Uniformed Serv U of Health Sciences 1989

Pamela M. Wendl, MS, DPT
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
Assistant Professor of Orthopaedic Surgery
Assistant Professor of Physical Therapy
BS North Park College 1991
MS Washington Univ in St. Louis 1993
DPT Washington Univ in St. Louis 2007

Alvin S Wenneker, MD
Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1949
MD Washington Univ in St. Louis 1953

Jennifer Marie Wessels, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 2009

Peter Westervelt, MD, PHD
Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1992
PHD Washington Univ in St. Louis 1992
BA Colby College 1985

James P White, BS1, PHD
Instructor in Medicine (primary appointment)
BS1 State Univ of NY at Albany 2011
PHD Baylor College of Medicine 2011
BS State Univ of NY at Albany 2005

Patrick White, MD
Associate Professor of Medicine (primary appointment)
BS Notre Dame College 2002
MD Ohio State University 2007

Michael Peter Whyte, MD
Professor of Medicine (primary appointment)
Professor of Genetics
Professor of Pediatrics
MD State University of New York 1972
BA New York University 1968

Cynthia A Wichelman, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
Course Director for the Mini-Medical School
MD Stanford University 1988
BA University of California 1982

Samuel A Wickline, MD
Terminated Faculty
BA Pomona College 1974
MD University of Hawaii 1980

John F Wiedner, MD
Instructor in Clinical Medicine (primary appointment)
MD School Not Listed 1985
BA Knox College 1982

Deborah A Wienski, MD
Instructor in Clinical Medicine (primary appointment)
BA Smith College 1979
MD Tufts University 1983

Tanya M Wildes, MD
Associate Professor of Medicine (primary appointment)
BS Illinois Wesleyan University 1998
MD Washington Univ in St. Louis 2002

Dominique S. Williams, MD
Assistant Professor of Medicine (primary appointment)
BS University of Houston 2008
MD Baylor College of Medicine 2012

George A Williams III, MD, MA
Assistant Professor of Clinical Medicine (primary appointment)
BA University of Notre Dame 1967
MD Univ of Wisconsin Madison 1972
MA Columbia University 1968

Nancy J Williams, MD
Instructor in Clinical Medicine (primary appointment)
BA Dartmouth College 1982
MD University of Kansas 1987

R. Jerome Williams Jr, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Duke University 1977
BA Harvard University 1973

Timothy John Williams, MD
Instructor in Medicine (primary appointment)
BA McKendree College 2008
MD University of Cincinnati 2012

Patrick H Win
Instructor in Clinical Medicine (primary appointment)

Karen Winters, MD
Associate Professor of Medicine (primary appointment)
Director of the Student and Employee Health Service - Medical Campus
BS Illinois State University 1975
MD Southern Illinois University 1983

Chad Alan Witt, MD
Associate Professor of Medicine (primary appointment)
MD University of Texas Southwest 2005
BS Texas Tech University 2001

Keith Frederic Woeltje, MD, PHD
Professor of Medicine (primary appointment)
BS University of Dallas 1984
MD Texas Southern University 1991
PHD Texas Southern University 1991

Edward M Wolfe, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA Hobart College 1956
MD Washington Univ in St. Louis 1960

Gerald Wolff, MD
Assistant Professor of Clinical Medicine (primary appointment)
BA Harvard University 1955
MD Washington Univ in St. Louis 1961

John A Wood, MD
Associate Professor of Clinical Medicine (primary appointment)
MD University of Oklahoma 1968

Megan Elizabeth Wren, MD
Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1981
MD Washington Univ in St. Louis 1985

Jeffrey M Wright, MD
Assistant Professor of Clinical Medicine (primary appointment)
Assistant Professor of Clinical Pediatrics
MD Washington Univ in St. Louis 1979
BS Vanderbilt University 1975

Haojia Wu, PHD
Instructor in Medicine (primary appointment)
BS Sun Yat-Sen University 2007
PHD University of Hong Kong 2014

Kangyun Wu, PHD
Instructor in Medicine (primary appointment)
PHD Beijing University 2007

Xiaobo Wu, MD
Associate Professor of Medicine (primary appointment)
MD Tongji University 1986

Matthew A Wyczalkowski, PHD, MME
Instructor in Medicine (primary appointment)
BS Pennsylvania State University 1996
PHD Washington Univ in St. Louis 2009
MME University of CA Berkeley 2000

Jun Xia, PHD
Instructor in Medicine (primary appointment)
PHD University of Illinois 2006

Zhifu Xiang, MD, PHD
Associate Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Tongji University 1990
PHD Tongji University 1998

Yan Xie, MS, MD
Instructor in Medicine (primary appointment)
MS Hubei Medical University 1991
MD Tongji University 1986

Naga M Yalla, MD
Assistant Professor of Medicine (primary appointment)
MD SRTR Medical College 2005

Timothy Teng-Kay Yau, MD
Assistant Professor of Medicine (primary appointment)
MD Saint Louis University 2005
BA Saint Louis University 2001

Derek Yee, MD
Instructor in Medicine (primary appointment)
MD Rutgers University 2014

Po-Yin Yen, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD Columbia University 2010
BS National Cheng Kung University 2001
MS Oregon Health Science Univers 2005

Wayne M Yokoyama, MD
Sam and Audrey Loew Levin Professor of Medicine (Rheumatology) (primary appointment)
Professor of Pathology and Immunology
MD University of Hawaii 1978
BA University of Rochester 1974

Jun Yoshino, PHD, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
PHD Keio University 2004
MD Keio University 2000

Mihoko Yoshino, MD, PHD
Instructor in Medicine (primary appointment)  
MD Keio University 2000  
PHD Shimane Medical University 2006  

Danicela Younce, MD  
Instructor in Medicine (primary appointment)  
BS University North Carolina 2008  
MD University North Carolina 2014

Simon Yu, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of MO Columbia 1984

Roger D. Yusen, MPH, MD  
Associate Professor of Medicine (primary appointment)  
BS University of Illinois 1986  
MPH Saint Louis University 2002  
MD University of Illinois 1990  

Alan Zajarias, MD  
Professor of Medicine (primary appointment)  
Professor of Surgery (Cardiothoracic Surgery)  
MD National Autonomous U of Mex 2000

John F. Zalewski, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Clarkson University 1973  
MD State Univ of NY Buffalo 1980

Kathleen W Zhang, MD  
Assistant Professor of Medicine (primary appointment)  
MD University of Pennsylvania 2013

Qiang Zhang, MChem, PHD  
Instructor in Medicine (primary appointment)  
BS Xiamen University 1995  
MChem Xiamen University 1998  
PHD University of CA Santa Barbara 2003

Yong Zhang, MS, PHD, MD  
Assistant Professor of Medicine (primary appointment)  
MS Sun Yat-Sen University 1983  
PHD Albert Ludwig University 1999  
MD Anhui Medical University 1978

Peter Chen Zhao, MD  
Instructor in Medicine (primary appointment)  
BS Emory University 2011  
MD Washington Univ in St. Louis 2015

Amy Wei Wei Zhou, MD  
Assistant Professor of Medicine (primary appointment)  
MD Wayne State University 2009  
BS University of Michigan 2005

Lisa Ann Zickuhr, MD  
Instructor in Medicine (primary appointment)  
MD Northwestern University Med 2012

BS University of Notre Dame 2008

Robert E Ziegler, MD, PHD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
BA University of Colorado Boulder 1972  
MD Duke University 1980  
PHD Duke University 1980

Courses
Courses include the following:
- M25 Medicine (p. 60)
- M27 Emergency Medicine (p. 67)

M25 Medicine
M25 Medicine 605A Infectious Diseases
The Infectious Diseases course teaches both organism-specific and organ-specific approaches to disease caused by microbes. The course expands upon the material presented in the first year concerning bacteria, viruses, fungi and parasites and their involvement in causation of human disease. It explores the complex interaction between microbes and host in the individual patient, and at the broader public health level. The course introduces the recognition and initial management of common infectious diseases. Educational methods include lecture, interactive in-class case discussions and review sessions, and student-led clinical case discussions in small groups. Credit 30 units.

M25 Medicine 606A Rheumatology
A major focus of the course is teaching "how to think like a rheumatologist", emphasizing the concept of clinical diagnosis: the history and physical generate a clinical hypothesis, which is supported by laboratory tests. Inflammatory arthritis (rheumatoid arthritis, spondyloarthropathies, crystalline disorders, and infectious arthritis), classic "autoimmune diseases" (lupus, inflammatory myopathy, and scleroderma), and vasculitic syndromes are presented. A team based learning exercise on rheumatology lab tests gives students a chance to teach one another the details. Two separate sessions with four unknown patients gives students a chance to interview patients and try to make a diagnosis. Credit 17 units.

M25 Medicine 607 Practice of Medicine II
The goal of The Practice of Medicine (POM) course is to provide students with the knowledge, skills and attitudes essential to patient care regardless of specialty. POM II is a continuation of POM I and will continue to address various interfaces between patients, physicians and society and will also introduce the advanced physical exam and approaches to clinical thinking and decision-making. The sections of POM II include Clinical Skills, Case Development, Communication Skills, Ophthalmology, Radiology, Community and Public Health, Ethics and Health Policy Humanities, and Scientific Methods. The learning objectives for each section of POM II emphasize topics and skills students will learn how to describe skin lesions and the pathophysiologic basis of disease. Major categories of clinical skin diseases and their most prominent constituents will be discussed, including papulosquamous diseases, blistersing diseases, infectious diseases, and benign and malignant neoplasms. Credit 89 units.

M25 Medicine 611B Cardiovascular Disease
Cardiovascular disease remains the number one cause of death within the United States, although steady advances in the field have greatly reduced both its associated morbidity and mortality. This course provides a foundation for understanding the pathophysiology, diagnosis, and management of cardiovascular conditions commonly encountered in clinical practice, including hypertension, ischemic heart disease, heart failure, arrhythmias, valvular heart disease, pericardial diseases, aortic diseases, peripheral arterial disease, and venous disorders. An emphasis is placed on describing the current state of knowledge in cardiology while also including some of the exciting new developments that are revolutionizing patient care. The course includes lecture overviews of each topic, along with small-group and team-based learning sessions to solidify and apply knowledge of the material to patient case scenarios. In addition, "EKGs of the Week" allow students to practice a structured approach to the interpretation of EKGs. Credit 30 units.

M25 Medicine 612B Pulmonary Diseases
The pulmonary pathophysiology course is designed to familiarize medical students with the pathophysiological mechanisms underlying diseases of the pulmonary system. The course begins with a brief review of pertinent pulmonary physiology and pulmonary function and then explores how pathologic disorders alter normal lung physiology, resulting in the clinical presentation of disease. Major categories of clinical pulmonary diseases discussed include obstructive lung diseases, restrictive lung diseases, pulmonary vascular diseases, and pleural disease. Educational methods include lectures, team-based learning, and review sessions. Credit 22.5 units.

M25 Medicine 613B Renal & Genitourinary Diseases
This course focuses upon the wide variety of renal diseases. It will begin with a brief review of pertinent renal physiology, and then will explore disorders of fluids/electrolytes (abnormalities in plasma water/solute balance), patterns of acute and chronic kidney injury (including nephritic/nephrotic syndromes and renal involvement in systemic disorders), and finally the options available when end stage kidney disease is reached (hemodialysis, peritoneal dialysis, transplantation). The course contains a mixture of lecture, small group, team based learning, case-based presentations, and patient presentation. Credit 38 units.

M25 Medicine 614 Dermatology
The dermatology second-year course is designed to provide medical students with a foundation in dermatology that will support future learning and improve diagnostic skills in general medicine and in a wide variety of specialties. Medical students will learn how to describe skin lesions and the pathophysiologic basis of disease. Major categories of clinical skin diseases and their most prominent constituents will be discussed, including papulosquamous diseases, blistersing diseases, infectious diseases, and benign and malignant neoplasms. Credit 8 units.

M25 Medicine 615A Endocrinology and Metabolism
The endocrine pathophysiology course aims to provide an understanding of the pathophysiology and clinical manifestations of common endocrine disorders. Emphasis is placed upon relevant clinical history and physical examination as well as the interpretation of investigations for endocrine disorders. Basic principles of treatment of endocrine disorders will also be discussed. Lectures are supplemented by organ-specific clinical case discussions. Credit 31 units.

M25 Medicine 620A Gastrointestinal and Liver Diseases/ Nutrition
This course discusses the pathophysiological mechanisms underlying diseases of the gastrointestinal tract including esophagus, stomach, small and large intestines, liver, gall bladder and pancreas. A series of lectures related to nutrition and the impact of nutritional disorders on health and disease are also included. Lectures are supplemented by group seminars that include discussion of clinical case presentations. Credit 32 units.
M25 Medicine 625A Hematology and Oncology
The hematology pathophysiology course exposes students to common hematologic disorders and hematologic malignancies. The course utilizes lectures, clinical case discussions and practical sessions involving microscopy. Credit 39 units.

M25 Medicine 707 Practice of Medicine III
Objectives: 1. To review challenges and dilemmas relevant to the practice of clinical medicine. 2. To examine clinical experiences from a variety of perspectives. In this course, themes and topics relevant to students in their clinical stage of training are discussed. Session formats include lecture, panel discussion and/or small group. As students exchange problematic scenarios and questions, the group develops potential solutions and management schemes. *Topics in the past have included: 1) Diversity 3.0 training; 2) Business of medicine; 3) Individualized Learning Objectives in clinical scenario; 4) PSQI; 5) Mock Deposition, Risk Management, and Adverse Patient Outcomes; 6) Compassion Fatigue, Resilience, and Burnout Part 1; 7) Compassion Fatigue, Resilience, and Burnout Part 2; 8) Caring for Incendiary Patients; 9) Diagnostic Error and Transitions of Care; 10) Strategies for Effective Teaching and Mentoring. Attendance at 8 out of 10 POM III sessions is required to pass this course. Students may use two absences for any reason and are recommended to save them for their ACES rotation, Labor & Deliver rotation, or an emergency.

M25 Medicine 710 Medicine Clerkship
The Medicine clerkship provides supervised study of patients in both inpatient and ambulatory settings. For the inpatient rotations, students are assigned as clinical clerks to patients admitted to the general medical teaching services of Barnes-Jewish Hospital and Veterans Administration Medical Center. For the outpatient rotations, students learn primary care in internal medicine and family medicine clinics at Barnes-Jewish Hospital or community-based practices. Teaching is provided by the chief of service, attending physicians, house officers, consultants, chief residents, and regularly scheduled conferences. Formal instruction is given regarding core internal medicine topics during the clerkship. A minimum of 12 weeks is required: three consecutive four-week rotations. Credit 462 units.

M25 Medicine 714 Ambulatory Clerkship: Emergency Medicine
The Urgent Care area (UCA) serves as our site for the WUSM III Ambulatory Care Rotation. Three students at a time are assigned to this four-week rotation. Students will spend their first day in an orientation session learning suturing, ECG interpretation and airway management (including intubation skills) in hands-on laboratories. They will also review pelvic examinations and view an education video on domestic violence. On day two, they begin primarily evaluating non-emergent patients in Urgent Care and report directly to an Emergency Medicine attending. There are four hours of conferences per week (8-10 a.m. on Tuesday and Wednesday mornings) — attendance is mandatory. Discussions are currently underway to allow students to participate in helicopter ride-alongs with ARCH Airmedical Services. Students can expect to gain a wide range of skills in evaluating uncomplicated upper respiratory infections, urinary tract infections, sexually transmitted diseases, lacerations, eye problems, rashes, simple extremity trauma — in general, "bread and butter" medical/surgical problems. Students do a case presentation (15 min.) at the close of the block. Credit 154 units.

M25 Medicine 740 Dermatology Clerkship
The goal of the dermatology clerkship is to provide a guide for the student to appreciate dermatology within the broader perspectives of medicine and biology. The student will develop familiarity with dermatologic vocabulary, learn to recognize and initiate therapy of common dermatologic disorders and become cognizant of uncommon or complicated dermatologic problems that require specialty care. Emphasis will be placed on careful history taking and physical examination. Students will always work under the direction of the resident physician and the attending physicians in the clinic setting. Credit 154 units.

M25 Medicine 750 Geriatrics Clerkship
The primary goal of this rotation is for students to gain proficiency in the principles of geriatric evaluation and management, including the medical, psychological, social, and functional assessments of older adults. Students are expected to participate in the evaluation of three to five patients per week in a variety of settings, including the outpatient Geriatric Assessment Clinic, the in-patient Geriatric Consult service, Parc Provence nursing home, and the Rehabilitation Institute of St. Louis (TRISL). Students will also have the opportunity to participate in hospice and home care visits and interdisciplinary team meetings and to observe an assessment at the Washington University Alzheimer's Disease Research Center. Students are expected to attend weekly conferences while on the rotation. The day normally begins at 8:30 a.m. and is usually finished by 5:30 p.m. There is no night or weekend call. Time is provided to read the detailed syllabus/bibliography. Many clinical activities are off-site from the medical campus. Students will be required to coordinate transportation to and from such sites. Students will be expected to give an oral presentation on a topic of their choice once during the rotation. Credit 154 units.

M25 Medicine 801 General Medicine Subinternship — BJH
The purpose of the General Medicine Subinternship is the development of expertise in the care of hospitalized patients in a well-supervised teaching environment. Subinterns act as their patients' interns under the supervision of residents and attending physicians. Subinterns have the same on-call and admitting schedules as the interns on their teams and are assigned up to two new patients on each admitting day. Subinterns are not required to spend call nights in the hospital. Except in emergencies, subinterns are the first individuals to evaluate patients admitted to medical service teams. A diagnostic and therapeutic approach to the patient is planned in consultation with the resident. Subinterns assume primary responsibility for the daily care of their patients, under the supervision of resident and attending physicians. This includes evaluation on daily rounds, scheduling and obtaining results of diagnostic studies, planning therapy, making arrangements for care after discharge and communicating with patients and their families. Subinterns attend the same conferences as the house staff.

M25 Medicine 805 Rheumatology
Students will be involved in the diagnostic work-up and management of patients with conditions such as systemic lupus erythematosus, rheumatoid arthritis, scleroderma,
coordinate transportation to and from such sites. Students will be expected to attend weekly conferences while on the rotation. The WU Alzheimer's Disease Research Center. Students are expected to participate in interdisciplinary team meetings, and observe an assessment and home-based Primary Care, and the Rehabilitation Institute Assessment Clinic, inpatient Geriatric Consult service, outpatient care, and attending physicians; and formulate a plan for ongoing improvement as a clinician.

### M25 Medicine 807 General Medicine Subinternship — VA

The purpose of the General Medicine Subinternship at the VA Medical Center is to develop proficiency in the care of hospitalized patients on an internal medicine ward. Subinterns will have similar responsibilities as interns, with appropriate supervision by the attending and resident physicians. They have the same on-call/admitting schedules as the interns and participate in the same teaching conferences, but they do not take overnight call. Subinterns should admit at least two patients per call day, and they should be the first to evaluate the patients admitted to the medical service, except in emergencies. A diagnostic and therapeutic approach to evaluating each patient is planned in consultation with the resident. Subinterns assume primary responsibility for the daily care of their patients, including evaluating each patient daily, presenting on morning rounds entering orders (discussed with and co-signed by the resident), interpreting results of diagnostic studies, calling consults, collaborating with nurses and social work, organizing post-discharge care, and communicating with patients and their families. Subinterns also attend weekly small group learning sessions during which they discuss, diagnose, and treat patients using example cases. By the end of the VA General Medicine Subinternship, subinterns will be able to independently do the following: synthesize and succinctly present a patient’s history, exam, diagnostic data, assessment, and plan of care; support differential diagnoses and proposed care plans with clinical reasoning and evidence; demonstrate how to correctly order diagnostic tests and medications that further patient care; analyze complex patient cases during interactive small group learning sessions; integrate feedback from patients, residents, and attending physicians; and formulate a plan for ongoing improvement as a clinician.

### M25 Medicine 810 Geriatric Medicine

The primary goal of this rotation is for students to gain proficiency in the principles of geriatric evaluation and management, including the medical, psychological, social, and functional assessments of older adults. Students are expected to participate in the evaluation of three to five patients per week, in a variety of settings including the outpatient Geriatric Assessment Clinic, inpatient Geriatric Consult service, outpatient and home-based Primary Care, and the Rehabilitation Institute of St. Louis (TRISL; optional). Students will also have the opportunity to participate in hospice and home care visits, interdisciplinary team meetings, and observe an assessment at the WU Alzheimer's Disease Research Center. Students are expected to attend weekly conferences while on the rotation. The day normally begins at 8:30 a.m. and is usually finished by 5:30 p.m. There is no night or weekend call. Time is provided to read the detailed syllabus/bibliography. Many clinical activities are off-site from the Medical Campus; students will be required to coordinate transportation to and from such sites. Students will be expected to give an oral presentation on a topic of their choice once during the rotation.

### M25 Medicine 811 Hospitalist Subinternship

This course allows the student to work one-on-one with hospitalist physicians on a patient care team. The student acts as the intern under the direct supervision of the attending physician. Daily responsibilities include admission history and physicals, daily notes and discharge summaries on assigned patients. They also will have the opportunity to perform indicated procedures on patients on this service. Students are encouraged to participate in Department of Medicine conferences.

### M25 Medicine 811 A Clinical Internal Medicine — Hospitalist

This course allows the student to work one-on-one with hospitalist physicians on a patient care team. Daily responsibilities include admission history and physicals, daily notes, and discharge summaries on assigned patients. Students will also have the opportunity to perform indicated procedures on patients on this service. Students are encouraged to participate in Department of Medicine conferences.

### M25 Medicine 821 Inpatient Cardiology

Students will participate as members of the Barnes-Jewish Cardiology at Washington University Consultative Team. They will be part of a team composed of faculty members, fellows, residents, and nurse practitioners that sees a large population of cardiac patients and follows them through all aspects of their in-hospital care. Emphasis will be placed on physical examination and the interpretation of modern cardiac diagnostic tests, including electrocardiograms, echocardiograms and coronary angiograms and their role in clinical decision making.

### M25 Medicine 822 Cardiology Subinternship

The structure and functioning of the Cardiology subinternship is very similar to the General Medicine Subinternship (M25 801 and M25 807). The basic purpose is to develop expertise in the care of hospitalized patients in a well-supervised teaching environment. The majority of patients admitted to the service will have a cardiology diagnosis as the main reason for admission. Some general medical problems will also be seen. All attendings on the service are cardiology subspecialists. Cardiology fellows act as the chief resident for the service on a monthly basis. Subinterns act as their patients’ interns under the supervision of residents and attending physicians. Subinterns have the same on-call and admitting schedules as the interns on their teams and are assigned up to two new patients on each admitting day. Subinterns are not required to spend call nights in the hospital. Except in emergencies, subinterns are the first individuals to evaluate patients admitted to medical service teams. A diagnostic and therapeutic approach to the patient is planned in consultation with the resident. Subinterns assume primary responsibility for the daily care of their patients, under the supervision of resident and attending physicians. This includes evaluation on daily rounds, scheduling and obtaining results of diagnostic studies, planning therapy, making arrangements for care after discharge and communicating with patients and their families. Subinterns attend the same conferences as the internal medicine house staff. There are also several conferences specific to the cardiology service.

### M25 Medicine 823 Clinical Cardiology — VA Hospital

The major purpose of this elective in clinical cardiology at the John Cochran VA Hospital is to improve evaluation and
management skills for diagnosis and treatment of important cardiovascular conditions such as coronary artery disease including acute myocardial infarction, congestive heart failure, hypertension, and valvular heart disease. The rotation is designed to be flexible enough to accommodate a wide variety of course objectives but includes the opportunity to participate in 1-3 outpatient clinics per week; 1-4 weeks of inpatient intensive care, telemetry, or cardiology consultation rounds; and ECG, stress testing, nuclear imaging, or echocardiographic reading sessions, cardiac catheterization and electrophysiologic procedures. The emphasis will be on improvement of the ability to diagnose and treat cardiovascular disease on the basis of information obtained from a thorough history and physical examination that is integrated with data from appropriate highly targeted laboratory studies in a manner that optimizes patient outcome and minimizes risk and costs.

M25 Medicine 825 Cardiac Arrhythmias and Electrophysiology
This elective provides the student with exposure and teaching in the diagnosis and treatment of complex cardiac rhythm disturbances. Specifically, the student is expected to evaluate patients referred for evaluation and treatment of complex or life-threatening rhythm disturbances, unexplained syncope or sudden cardiac death. Rounds are made daily on hospitalized patients, and students are welcome to observe electrophysiology studies or implantation of pacemakers and defibrillators. This elective also provides an intensive opportunity to learn clinical electrocardiography and the systematic use of anti-arrhythmic drugs. Finally, since patients with chronic, complex rhythm disturbances frequently have ongoing cardiac disease, a broad-based exposure to general cardiology is also part of this elective.

M25 Medicine 827 Heart Failure/Cardiac Transplantation
This rotation is intended to provide trainees with a comprehensive experience managing patients with advanced heart failure. In addition to daily inpatient rounds, trainees are invited to attend both heart failure and transplant clinics. Further, the curriculum is supplemented by a syllabus that contains the critical literature pertinent to this patient population. The trainees will also have experience with the evaluation of patients for operative heart failure therapies and will have the opportunity to observe these surgical procedures.

M25 Medicine 830 Dermatology
The aim of this elective is to provide a guide for students so they are able to appreciate dermatology within the broader perspectives of medicine and biology. Emphasis will be placed on the dermatologic variations encountered in a normal physical examination of the skin, the identification of common skin diseases, dermatologic clues to systemic disease, as well as those dermatologic conditions that are life-threatening. The student will participate in outpatient care in the Barnes-Jewish Hospital and affiliated clinics. Students will attend all clinical teaching rounds and conferences in addition to the basic science and cutaneous histopathology conferences.

M25 Medicine 831 Pediatric Dermatology
This clinical rotation will be available to students interested in dermatology, pediatrics or both. Students will follow the dermatology rotation (M25 830) with an emphasis on pediatric dermatology by attending pediatric dermatology clinics, seeing consults, etc.

M25 Medicine 834 Clinical Mentoring
This elective is designed to develop the teaching and mentoring skills of our fourth-year medical students through structured hospital sessions with first-year medical students. The primary format of the elective is observation of two first-year students during hospital sessions that span from September-April. During these hospital sessions the first-years perform the H&P, and the fourth-year mentors observe and offer constructive feedback. Each session will have an accompanying H&P written by the first-year student, which is to be thoroughly reviewed and critiqued by the fourth-year mentor. Additional practice sessions are optional and can be individually arranged between teams where the fourth-year mentor can assist the first-year student on personalized skills that are identified by their individualized learning goals. A small number (2-3/year) of in-person sessions will occur with clinical faculty instructors to review teaching methods, assist in giving feedback, and to help the fourth-year mentor to acquire skills necessary for supervision of medical students during internship/residency. The schedule is very flexible, and there are no active clinical responsibilities during December/January to allow time off for interviews.

M25 Medicine 834A SNHC Clinical Mentoring
This elective is designed to develop the teaching and mentoring skills of our fourth-year medical students through clinic sessions at the Saturday Neighborhood Clinic. In addition, the elective will develop the ability of our fourth-year students to productively engage and present complex social issues through the development of a one-hour lecture. During three sessions of mentoring, fourth-year students will pair with a pre-clinical (first- or second-year) students and supervise them throughout the clinic day. The fourth-year student will supervise and assist as the pre-clinical student completes the patient history and physical, presents the exam results to the physician, and writes the visit note for multiple patients. The pre-clinical student will complete one patient note without assistance, which the fourth-year student will thoroughly review, edit, and return to the pre-clinical student, along with constructive feedback regarding the pre-clinical’s general performance. The attending present at the Saturday Neighborhood Clinic will verify that the fourth-year mentor fulfilled the specified mentoring requirements. Additional practice sessions to review exam skills, note writing, and communication are optional and can be individually arranged between teams so that the fourth-year mentor can assist the first-year student on personalized skills. There will also be a reading presentation required. The fourth-year students taking this elective will break into groups of three or four members. Each group will be responsible for presenting a one-hour presentation on a topic related to the social determinants of health. There should be a case component to the presentation as well as a broader discussion. The presentations will be based on thorough research and should engage the broader context of the topic, including the epidemiology, social and health ramifications, economics, interventions, and so on. The presentation should include descriptions of potential solutions and innovation, where applicable.

M25 Medicine 836 Clinical Gastroenterology and Hepatology
The GI Hepatology elective is integrated into a very active inpatient and endoscopy service at Barnes-Jewish Hospital. Students will participate in the evaluation of inpatients with a spectrum of gut and liver disorders, make patient rounds with the faculty and fellows, and have responsibility for patients on whom consultations have been requested. In addition, they will observe general endoscopic techniques and participate in GI conferences.
M25 Medicine 836A Treatment of Patients with Inflammatory Bowel Disease
This elective will allow students to spend an intensive period of time learning about all aspects of the care of patients with IBD (surgical, endoscopic, and medical management). Although a predetermined schedule has been developed, it can be modified based on the student's interest. Alternative options include: inpatient IBD care (Barnes-Jewish Hospital and Barnes West County); wound clinic / stoma care; specialized endoscopy (chromoendoscopy, ERCP); IBD / colorectal surgery; pathology.

M25 Medicine 838 Medicine Consult Service
The Medicine Consult Service elective is the evaluation and management of medically complex patients admitted to the hospital on non-medicine services. The issues involved with peripherative management are particularly stressed. The student will function as a member of the consult service team. Duties will include performing initial consultations and follow-up care under the supervision of a Hospital Medicine attending and a senior medical resident. Attendance at Department of Medicine and division conferences is encouraged.

M25 Medicine 844 Hematology and Hemostasis
Activities include work-up of patients at Barnes-Jewish Hospital under the supervision of the hematology fellow and faculty; attendance at daily clinical rounds for 1-1.5 hours per day. These are staffed by a senior faculty in the Division of Hematology. In addition to evaluation of patients with hematologic disorders, the student will gain additional skills including: 1. Interpret and integrate laboratory data in the diagnosis of anemia and pancytopenia; 2. Review peripheral blood and bone marrow morphology; 3. Analyze laboratory data for the diagnosis of thrombophilia and bleeding; 4. Discern the principles of blood banking and pheresis. The students will have the opportunity to follow patients with sickle cell disease and understand the treatment of this disorder. The student is expected to attend and participate in the weekly hematology conference.

M25 Medicine 847 Bone and Mineral Diseases
The course is designed to acquaint the student with the clinical, radiological and pathological manifestations and treatment of disorders of bone and mineral metabolism, including osteoporosis, Paget's disease of bone, hyperparathyroidism, osteomalacia, and more rare disorders of bone development and homeostasis. The student will rotate through clinics of the Division of Bone and Mineral Diseases, and see patients at Barnes-Jewish Hospital, Barnes-Jewish West County Hospital and Shriners Hospital for Children. Acquired and heritable bone diseases will be studied in the context of derangements of mineral homeostasis with emphasis on vitamin D and peptide hormone metabolism and skeletal formation and remodeling. The role of non-invasive methods for measuring bone mass in the diagnosis and management of skeletal diseases also will be stressed. Faculty and medical students will present interesting cases for discussion or the students can present a pertinent topic related to bone metabolism they have researched during their rotation.

M25 Medicine 849 Sun Protection Outreach Teaching by Students (SPOTS)
Students will teach public and private middle school and/or elementary school students in the St. Louis area about skin cancer and sun protection. SPOTS courses are taught in a single 85-minute session or in two 50-minute sessions. The program involves delivering a PowerPoint presentation with a pre-written script, interactive games, a video, and hands-on demonstrations. The elective is open to students who are new to this program as well as to students who previously participated in the SPOTS first-year elective. Students new to SPOTS are required to attend two evening training sessions (2.5 hours each) to learn the content of the program as well as teaching strategies. For students who have taught SPOTS before, only one evening session is required. Students will teach four SPOTS sessions per week of the elective. Students participating in the elective need to arrange for their own transportation to teaching sessions. Sessions are typically taught by students in pairs. Learning objectives are as follows: (1) Demonstrate knowledge of basic principles of skin cancer, including how to detect skin cancer and how to decrease risk with photoprotection, (2) Effectively communicate this knowledge to children/adolescents.

M25 Medicine 853 Bone and Joint Infectious Diseases
Study of infectious diseases of the bones and joints, including infections in both native and prosthetic joints. The elective is designed to teach students the fundamentals of evaluating clinical orthopedic infections and formulating plans for workup and therapy. Students see consultations in infectious diseases in every part of Barnes-Jewish Hospital under the supervision of a faculty member who rounds with them every day. They work closely with the infectious diseases attending and nurse practitioner, follow their own patients and play an important role in their management. They are expected to read the literature about their patients and participate in clinical conferences. They attend teaching rounds and conferences and lectures in infectious diseases. They also learn appropriate use of antibiotics and antifungal agents. The role of surgical and medical management is discussed, and the students will interact with surgical staff in understanding the risks and outcomes of these common infections. Two weeks of General Inpatient Infectious Disease are a prerequisite to this course.

M25 Medicine 854 Transplant Infectious Diseases
Study of infectious diseases in patients who have had bone marrow or solid organ transplants, or who have a hematologic malignancy. The elective is designed to teach students the fundamentals of evaluating clinical infections in these complex and interesting patients and formulating plans for workup and therapy. Students see consultations in infectious diseases in every part of Barnes-Jewish Hospital under the supervision of a faculty member who rounds with them every day. They work closely with infectious disease fellows, follow their own patients and play an important role in their management. They are expected to read the literature about their patients and participate in clinical conferences. They attend teaching rounds and conferences and lectures in infectious diseases. They also learn appropriate use of antibiotics, antifungal and antiviral agents in this highly immune suppressed population. A wide distribution of infectious diseases is covered including management of neutropenic fever, invasive fungal infections in the transplant population, acute and chronic infections, infection prophylaxis and monitoring and interactions between immunosuppressive agents and antibiotics.

M25 Medicine 855 Ambulatory Infectious Diseases
The elective is designed to teach students the fundamentals of evaluating clinical infections in the outpatient setting. Students see patients under the supervision of a faculty member. Students will participate in the care of HIV-infected or otherwise immunosuppressed patients as well as general infectious
The Medical Intensive Care Unit Elective is designed to introduce senior medical students to cognitive and procedural aspects of critical care medicine. Students will be expected to learn the basic pathophysiology and treatment approaches to respiratory failure, shock states and metabolic derangements. Participation in procedures will be encouraged as available. Dynamics of difficult conversations with patients and family members will also be modeled and discussed. Clinical responsibilities will occur as a part of a call team and students will be expected to participate in admissions and daily follow-up on the cycle of their assigned call team. Teaching will occur via didactic lectures on weekdays and formal patient discussions on rounds.

**M25 Medicine 869 Palliative Medicine**
The Palliative Medicine elective will focus on the care of patients with life-threatening or debilitating illness throughout the course of their care. Skills in symptom management, communication, and interdisciplinary-based care will be the focus. Students will spend the majority of their time on the BJH Palliative Care Service. Based on the individual student's interest, there may also be opportunities to work with the BJJC Hospice Team and the St. Louis Children's Hospital Palliative Care Service. Students wishing to work with either team should contact the Course Director and Elective Contact as well as the instructors of the appropriate team, with as much advance notice as possible, as trainee spots are very limited for both. While in the hospital, students will be responsible for seeing patients upon initial assessment and delivering follow-up care with the team. Patients will be seen for both end-of-life care as well as symptom management. Students will learn to assess and treat refractory symptoms and to participate in complicated advanced care planning. Students will attend interdisciplinary team meetings, and they may participate in conversations about goals of care and coping with bad news. They may also make home visits with hospice care providers, if desired. Emphasis will be placed on observing and understanding the psychosocial and spiritual needs of the patients as well as the impact of the burden on caregivers. In addition, students will be expected to lead biweekly presentations/group discussions on selected aspects of Palliative Medicine with the BJH Palliative Care team.

**M25 Medicine 870 Endocrinology, Diabetes, and Metabolism**
In general, the four-week rotation will be divided into two weeks of general endocrinology and two weeks of diabetes. Students taking this elective will perform consultations with both fellows and faculty on the inpatient services at Barnes-Jewish Hospital, and they will also see patients with endocrine and metabolic diseases in the Outpatient Consultation. They will present these cases daily on teaching rounds. They will also participate in case conferences and seminars on a weekly basis. Extensive interaction with patients with diabetes and a diabetes education program are included, as is involvement with patients with thyroid, pituitary, adrenal, gonad, metabolic bone disease, and lipid disorders. Ample opportunities will be provided for discussions of patient problems with the members of the division. A variety of outpatient clinics are offered in the division; interested students should speak with the fellows and faculty members to customize the learning experience to match their career goals. At the end of the rotation, it is expected that students will have the ability to initiate the inpatient and outpatient management of diabetes, including insulin dosing and glucose monitoring, and evaluate and treat a variety of endocrine disorders, including but not limited to thyroid, pituitary, and adrenal disease. Students will learn to perform effective inpatient and outpatient consultations.

**M25 Medicine 871 Oncology — Outpatient**
Students will gain experience in the initial treatment of newly-diagnosed malignancies and the outpatient management of oncology patients. Participation in multidisciplinary tumor conferences will stress a combined-modality approach to
management, incorporating chemotherapy, radiotherapy and surgery. Students will see patients with a variety of malignancies, including lymphoma, myeloma, and tumors of the lung, breast, and colon. Management of hypercalcemia and other paraneoplastic syndromes, as well as cancer pain management, will be covered. Students will have the opportunity to see how most oncologists spend 90 percent of their workday. They will observe different styles that oncologists use when presenting news about diagnosis, treatment options, and other information to patients while they also learn about the molecular basis for cancer, the mechanisms of action for our therapies (particularly the newer agents which target specific molecular abnormalities), and the key studies that justify the use of therapies (e.g., randomized studies showing that after surgery, chemotherapy will reduce the risk of recurrence from a particular cancer with a particular regimen). By spending time with clinicians, students will learn how to identify hereditary syndromes, use drugs for symptom relief, and also learn how radiographic and laboratory tests allow oncologists to care for patients.

### M25 Medicine 877 Intensive ECG Interpretation

During this two-week elective, students will read 20 to 25 ECGs obtained from the Barnes-Jewish Cardiac Diagnostic Laboratory, with an overread by an experienced electrocardiographer. There will also be didactic sessions covering infarction, ventricular hypertrophy, heart block, arrhythmias, and aberrant conduction.

### M25 Medicine 879 Pulmonary Clinic for the Underserved

Clinical setting: Outpatient clinic dedicated to providing pulmonary specialty care to patients who are predominantly uninsured or who rely upon public assistance such as Medicaid. Student role: Students independently interview and examine patients and present findings to the attending; tests and imaging are reviewed, and provider and attending develop plan. Common problems/diseases: Asthma, COPD, sarcoidosis, lung cancer, and obstructive sleep apnea are commonly seen. Also, patients are referred for evaluation of abnormal x-rays and for symptoms such as dyspnea. Primary learning objectives: to understand and practice important history and exam skills in pulmonary medicine: symptoms, smoking history, work and environmental exposures, and important pulmonary physical exam findings; to understand the basics of pulmonary function tests, chest imaging, and methods for tissue sampling; and to understand the basis of treatment of common pulmonary disorders. Conferences: There is no conference associated with this clinic, but students may attend the usual Thursday morning Medicine Grand Rounds at 8:00 a.m. and the Pulmonary Grand Rounds at 11:00 a.m. if the subject matter is appropriate.

### M25 Medicine 880 Pulmonary Medicine — Barnes-Jewish Hospital

Students will acquire skills in the evaluation and management of patients with pulmonary diseases and in the interpretation of pulmonary function tests. They will gain experience in outpatient Lung Center and attend regular pulmonary and critical care medicine conferences.

### M25 Medicine 884 Bone Marrow Transplantation and Stem Cell Biology

Intense four-week clinical rotation exposing interested fourth-year medical students to the clinical world of bone marrow transplantation and to the basic science of hematopoiesis, leukemia, stem cell biology, and gene and cellular therapy, including chimeric antigen receptor (CAR) T-cell therapies.

### M25 Medicine 887 Clinical Cardiovascular Medicine


### M25 Medicine 890 Clinical Nephrology

Students rotate through inpatient and outpatient experiences to gain exposure to all facets of nephrology. They will spend time the majority of their time on an inpatient consult service, gaining exposure to acute and chronic renal failure, glomerulonephritis, and electrolyte disorders. During this time, they will serve as a fully integrated member of the consult team, evaluating underlying causes of kidney disease, performing diagnostic procedures, formulating management plans, and engaging in decision-making discussions with primary services and families. In addition, students will have the opportunity to experience ICU nephrology, transplant nephrology, the various CKD clinics, and all modalities of dialysis, including in-center, home, and peritoneal dialysis.

### M25 Medicine 890A Kidney Transplant

Students participating in this elective will gain exposure to end-stage renal disease and the treatment options, examine kidney transplantation as the most valuable option, learn about immunosuppression, and gain exposure to infectious diseases like CMV, BK, and adenovirus, which are commonly seen in patients who have had a kidney transplant (and not often seen otherwise).

### M25 Medicine 893 Adult Allergy and Clinical Immunology

Students will participate in the outpatient Allergy Clinics located in Barnes-Jewish Hospital Center for Advanced Medicine, Barnes-Jewish West County, and Center for Advanced Medicine South County. Students will participate in allergy skin testing, pulmonary function testing, and drug desensitization. They will have the opportunity to see patients with allergic rhinitis, asthma, hives, food allergy, immunodeficiency, eosinophilic esophagitis, hereditary angioedema, mastocytosis, contact allergic dermatitis, eczema, and more. They can attend allergy conferences on Thursday morning. Students have the option to follow a fellow and see inpatient consultations at Barnes-Jewish Hospital.

### M25 Medicine 900 Research Elective — Internal Medicine

Research opportunities may be available. If interested, please contact the Department of Internal Medicine.

### M27 Emergency Medicine

M27 EMED 801 Emergency Medicine Subinternship
This rotation offers practical experience in the evaluation and management of acutely sick and injured patients. Students will function as subinterns, initially evaluating their assigned patients and then developing a plan for further diagnostic studies and therapy. They will report to a senior-level resident or an attending physician. The student can expect the opportunity to perform a wide variety of procedural skills, such as suturing, splinting, peripheral and central venous access, and cardiopulmonary resuscitation. Shifts will be eight hours long, and students will rotate between day, evening, and night shifts (including weekend shifts) to gain maximum exposure to all types of emergencies. A core group of lectures will be provided. Students will gain an understanding of prehospital care by doing a ride-along shift with the St. Louis Fire Department EMS. Students will also gain knowledge of the basics of ultrasound during their time in the department. Students interested in EM will be doing 1:1 shifts with a single attending during their last two weeks of the rotation. Students desiring a letter of recommendation from any EM attending should take this WUMS-IV Emergency Medicine Subinternship. Students will be scheduled for required weekend and overnight shifts, and changes will not be allowed to the schedule unless approved prior to the start of the rotation by the course coordinator. Please be advised that there is a limit to the number of days off while on this rotation during interview season; otherwise, students should arrange to take the elective at a different time during the year. Days off should be requested from the course coordinator at least two weeks prior to the beginning of the rotation for scheduling purposes.

M27 EMED 820 Emergency Ultrasound
Point-of-care ultrasound has become an integral diagnostic and procedural tool for nearly every clinical specialty. Ultrasound examination at the bedside is noninvasive, painless, and repeatable, unlike many other common diagnostic tests. However, like all procedures, developing ultrasound skills takes a significant amount of practice and experience. This rotation will focus on clinical ultrasound image acquisition and interpretation at the bedside. Students will participate in the performance of bedside ultrasound examinations of patients in the emergency department. Common applications of emergency ultrasound include the FAST exam; pelvic ultrasound; abdominal aortic aneurysm; vascular access; renal, ocular, or cardiac ultrasound; and deep vein thrombosis. Students will be involved in direct patient care during this rotation as part of the ultrasound team in the emergency department. In general, the student will be in the emergency department during weekdays to perform these exams. In addition, the student will meet with the elective instructor approximately once per week to review images or for direct hands-on instruction. At the end of the rotation, the student should be able to obtain images for basic point-of-care ultrasound examinations and to interpret those images for diagnostic purposes. Students may also have the opportunity to practice ultrasound-guided procedures during the rotation.

M27 EMED 810 Medical Toxicology
This rotation offers practical experience in the evaluation and management of the acutely ill, poisoned, or intoxicated patient. Students will function as subinterns and either report to the senior resident, the fellow, or directly to the toxicology attending. Students will gain familiarity with and experience in evaluating and treating patients who have intentionally and unintentionally overdosed on medications or illicit drugs; those who have substance use disorders; those who have been envenomated (e.g., by spiders, snakes, or other reptiles); and those who have been exposed to toxic substances or chemicals. Students will also gain experience in administering antidotes and learning to properly decontaminate someone after an ingestion or exposure. There are no overnight or weekend shifts. While not required, students are welcome to come in during their off hours to see new consults and to enhance their experience and learning. Daily activities start in the morning and are generally concluded by the early afternoon. A core group of lectures will be provided. The students will also be assigned small projects during their rotation that will enhance their experience, particularly in environmental and occupational toxicology. Opportunities to increase their experience with occupational toxicology and addiction medicine also exist during this rotation; students will be able to rotate in the outpatient toxicology and addiction medicine clinic. Students will also have the opportunity to go to the Missouri Poison Center. Students desiring a letter of recommendation from one of the toxicology attendings (who are also emergency medicine attendings) or who are interested in emergency medicine or medical toxicology should take this elective in addition. In addition, students considering other specialties such as pediatrics or internal medicine should consider this rotation, because they will be responsible for evaluating patients with these conditions as part of their inpatient or outpatient practice. Please be advised that there is a limit of days off while on this rotation during interview season; otherwise, students should