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 antithrombosis 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
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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
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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 colonic 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.
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
hayesi@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 organellar 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
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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
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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

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

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MD PUCMM FACULTAT DE CIENCIAS DEL 2004

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

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

Sydney Lynn Blount, MD
Instructor in Medicine (Pending Dean’s Approval) (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, PHD, MS
Associate Professor of Medicine (primary appointment)
Associate Professor of Molecular Microbiology
Associate Professor of Pathology and Immunology
PHD Erasmus University Rotterdam 2003
MS University of Amsterdam 1997

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

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, MD, PHD1
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
MD Cornell University 1999
PHD1 Cornell University 1998

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

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

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

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

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
MD Duke University 1980
BA Harvard University 1974

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

Andrea Lynn Bredemeyer, PHD
Instructor in Medicine (primary appointment)
PHD Washington Univ in St. Louis 2006
BA Colby College 1999
Audrey Brenot, MS, BS1, PHD  
Instructor in Medicine (primary appointment)  
BS University of Paris 1996  
MS University of Paris 1997  
BS1 University of Paris 1995  
PHD University of Paris 2001

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

Natalia Brito Rivera, MD  
Instructor in Medicine (Pending Dean's Approval) (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  
PHD Washington Univ in St. Louis 2009  
BA Sweet Briar College 2003

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)  
MD Baylor University 1982  
BA University of Texas Austin 1977

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

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

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)  
BS Western Michigan University 1977  
MD Saint Louis University 1981

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

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

Benjamin Paul Buettner, MD  
Instructor in Medicine (Pending Dean's Approval) (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)  
MD University of Missouri 1983  
BA Saint Louis University 1974

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

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

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

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)
BA Washington Univ in St. Louis 1973
MD Washington Univ in St. Louis 1977

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

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

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

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

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
MD University of MO Columbia 1985
BA University of MO Columbia 1981

Scott Carrizales, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
BA University of Texas Austin 1992
MD UniformedServUofHealthSciences 1996

Kenneth R Carson, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Surgery (Public Health Sciences)
MD University of Southern Calif 2000
BS University of Southern Calif 1995

Amanda Fishback Cashen, BS1, MD
Associate Professor of Medicine (primary appointment)
Executive Chair Washington University Institutional Review Board
BS1 Yale University 1995
BS 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, MD, M PH
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
MD University of Missouri 1988
M PH Saint Louis University 1998

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

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, MED, MD
Associate Professor of Medicine (primary appointment)
MED University of Chicago 2003
MD University of Chicago 2003
BS Yale University 1999

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

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

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

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

Baosheng Chen, PHD
Instructor in Medicine (primary appointment)
PHD Peking Union Medical College, 2002

Chien-Huan Chen, MD, PHD
Professor of Medicine (primary appointment)
MD National Taiwan University 1993
PHD Johns Hopkns University Medic 1999

David Yuan-Sou Chen, PHD, MD
Instructor in Medicine (primary appointment)
BS University of Michigan 2003
PHD Washington Univ in St. Louis 2012
MD Washington Univ in St. Louis 2012

Edward C. Chen, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 2005

Feng Chen, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Cell Biology and Physiology
PHD University of Utah 1998
BS Fudan University 1991

Phyllis Chen, MD
Instructor in Clinical Medicine (primary appointment)
MD Northwestern University Med 1992

Qing Chen, MS, MD, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
MS Nanjing Medical University 1988
MD Nanjing Medical University 1983
UNKNOWN School Not Listed 1983

Sara X Chen
Instructor in Medicine (primary appointment)
BS Vanderbilt University 2010

Ying Chen, MD, PHD
Assistant Professor of Medicine (primary appointment)
MD Shanghai Medical University 1996
PHD Vanderbilt University 2004

Steven Chih Nung Cheng, MD
Associate Professor of Medicine (primary appointment)
MD Northwestern University Med 2002
BA Northwestern University 2001

Praveen R Chenna, MBBS
Associate Professor of Medicine (primary appointment)
BS Washington Univ in St. Louis 1998
MBBS Sri Ramachandra Medical Colleg 2005

Cynthia Cherfane, MD
Assistant Professor of Medicine (primary appointment)
MD St. Joseph University, Beirut 2011

Milan G Chheda, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Neurology
MD Albert Einstein College of Med 2002
Rebecca Joy Chibnall, AA, MD  
Assistant Professor of Medicine (Dermatology) (primary appointment)  
AA Washington Univ in St. Louis 2007  
BS Washington Univ in St. Louis 2007  
MD University of California 2012

Phillip Ruben Chisholm  
Instructor in Clinical Medicine (primary appointment)

Jaebek Choi, BE, PHD, MS  
Assistant Professor of Medicine (primary appointment)  
BE Kyung Pook National University 1996  
PHD Baylor University 2006  
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, PHD, MD  
Assistant Professor of Medicine (primary appointment)  
PHD Washington Univ in St. Louis 2010  
MD 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, PHD, MS  
Assistant Professor of Medicine (primary appointment)  
PHD University of Pittsburgh 2011  
MS Universita de Modena e Reggio 2005

Matthew Aaron Ciobba, 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 1993  
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  
BS University of Siena 1980  
MD University of Siena 1980

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  
BS Ohio State University 1972  
MD Ohio State University 1975

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)  
BA Mount Holyoke College 1972  
MD Harvard University 1981  
MA Brown University 1975

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

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, MD, MS  
Instructor in Clinical Medicine (primary appointment)  
BS MO S&T (formerly UofMO Rolla) 1973  
MD Washington Univ in St. Louis 1978  
MS University of CA Berkeley 1974

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)
BS University of Surrey 2004
PHD University of Surrey 2008

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

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

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
BS Beloit College 2003
PHD Northwestern University 2007

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

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

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

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

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 Autonoma de Madrid 2009

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

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
MA University of CA Berkeley 1987
PHD Washington Univ in St. Louis 1998
BA Vanderbilt University 1983

Lenise Andrea Cummings-Vaughn, MS, MD
Associate Professor of Medicine (primary appointment)
MS San Francisco St University 1998
BS Williams College 1995
MD Saint Louis University 2005

Robert B Cusworth, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Rochester 1974
D

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
BS University of MO Columbia 1983
PHD Saint Louis University 2009

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)
MD Howard University 1989
BS Howard University 1985

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)
MD Baylor University 1978
BA University of Pennsylvania 1974

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 (Pending Dean's Approval) (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)

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)
BA University of Texas Austin 2008
MA Harvard University 2018
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)
BS Morehead St University 1994
MD University of Kentucky 1999

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
M PH San Diego St University 2005
BS University of Colorado Boulder 1990

Thomas M De Fer, MD
Associate Dean of Medical Student Education
Teresa Deshields, PHD, MS  
Associate Professor of Clinical Medicine (primary appointment)  
Associate Professor of Clinical Psychiatry  
BA Meredith College 1981  
PHD University of Georgia 1985  
MS University of Georgia 1983

Vladimir Novak Despotovic, MD  
Associate Professor of Medicine (primary appointment)  
MD Michigan State University 2004  
BS Michigan State University 2000

Siddhartha HK Devarakonda, MD  
Assistant Professor of Medicine (primary appointment)  
MD Indira Gandhi Medical College 2009

Jason Devgun, MD  
Assistant Professor of Emergency Medicine in Medicine (Pending Executive Faculty Approval) (primary appointment)  
MD Rosalind Franklin University 2013  
BS Illinois Institute of Technol 2008

Michael D DeVita, MD  
Assistant Professor of Medicine (primary appointment)  
BS University of Wisconsin 2006  
MD University of Wisconsin 2011

Michael Diamond, PHD, MD  
Professor of Medicine (primary appointment)  
Herbert S Gasser Professor  
Professor of Molecular Microbiology  
Professor of Pathology and Immunology  
PHD Harvard University 1992  
MD Harvard University 1994  
BA Columbia College 1985

Judith A Dibble, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1986

Brian K Dieckgraefe, MD, PHD  
Associate Professor of Medicine (primary appointment)  
BA University of Kansas 1982  
MD Washington Univ in St. Louis 1988  
PHD Washington Univ in St. Louis 1987

Kathryn M Diemer, MD  
Professor of Medicine (primary appointment)  
Assistant Dean for Career Counseling  
MD University of Missouri 1985  
BA University of Missouri 1984

Colin Diffie, MD  
Instructor in Medicine (primary appointment)  
BA University of Texas Austin 2008  
MD Univ of Texas Med Sch Houston 2014  
BA University of Texas Austin 2008

Hanan M Dihowm
Instructor in Medicine (Pending Dean's Approval) (primary appointment)

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

John F Dipersio, MD, PHD
Virginia E and Sam J Golman Professor of Medicine (primary appointment)
Professor of Pathology and Immunology
Professor of Pediatrics
MD University of Rochester 1980
BA Williams College 1973
PHD 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)
MD Saint Louis University 1983
BS Edinburgh University 1978

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

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

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

Gerald W. Dorn II, MD
Philip and Sima K Needlenman Professor of Medicine (primary appointment)
MD Medical University of South Carolina 1981

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

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

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

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

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

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, MS, MD
Professor of Medicine (primary appointment)
MS University of Texas Austin 1980
MD Washington Univ in St. Louis 1983
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)
MD Univ Texas Health Science Ctr 2009
BS University of Miami 2005

E

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)

Russell 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)
BA University of Tennessee 1977
PHD University of North Carolina 1982

Lamice R. El-Kholy, MS, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
MS School Not Listed 1986
UNKNOWN School Not Listed 1982

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

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

PHD Saint Louis University 2014

Charlene Ann Ellsworth, 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)
BS Columbia College 2005
PHD University of South Carolina 2011

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

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

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

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)
BS Vanderbilt University 1979
MD Washington Univ in St. Louis 1983

Bradley A Evanoff, MD, M PH
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
MD Washington Univ in St. Louis 1986
BA Cornell University 1982
M PH University of Washington 1993

Kathleen Anne Evans, MD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
BA University of Oklahoma 2012
MD University of Texas Southwest 2016
BS University of Oklahoma 2012

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

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

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MD La Sapienza University 1998
PHD La Sapienza University 2006

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

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Adjunct Assistant Professor of Medicine (primary appointment)

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

**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
BS State Univ of NY Buffalo 1994
PHD Ohio State University 2000

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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)
BS University of Arkansas 1973
MD University of Arkansas 1975

**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, PHD, MS**
Associate Professor of Medicine (primary appointment)
PHD University of Illinois 2000

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

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

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

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

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

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Professor of Medicine (primary appointment)
BA Cornell University 1981
MD Saint Louis University 1985

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

**Avegail Gascon Flores, MD**
Assistant Professor of Medicine (primary appointment)
MD University of Pittsburgh 2007

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

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

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Instructor in Clinical Medicine (primary appointment)
MD University of MO Columbia 1984

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Adjunct Assistant Professor of Medicine (primary appointment)
BN Webster University 2003
MSN Saint Louis University 2004
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Instructor in Medicine (Pending Dean's Approval) (primary appointment)
BS University of Naples 2010
PHD University of Naples 2016
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)
BA Washington Univ in St. Louis 1984
MD Washington Univ in St. Louis 1993
Ashley Elizabeth Frith, MD
Assistant Professor of Medicine (primary appointment)
MD University of AR Med Sciences 2008
BS Christian Brothers University 2004
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
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Professor of Emergency Medicine in Medicine (Pending Executive Faculty Approval) (primary appointment)
PHD Indiana State University 1984
MD Indiana University School of M 1986
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Professor of Medicine (primary appointment)
BS Stanford University 1984
MD University of California 1988
MS Stanford University 1995
Daniel Gaitan, MD
Associate Professor of Clinical Medicine (primary appointment)
MD University of Mississippi 1986
BS University of AL Birmingham 1980
Arthur H Gale, MD
Associate Professor of Clinical Medicine (primary appointment)
BS Washington Univ in St. Louis 1955
MD University of Missouri 1959
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BS University of MO Columbia 1990
DOST Kansas Cty Univ Med/Bioscience 1994
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Assistant Professor of Medicine (primary appointment)
MA Eastern Kentucky University 2007
MD University of Chicago 2010
BA Osmania Medical College 2014
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MHS University of Toronto 1988
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MD University of Illinois 1990
MBA University of MO St Louis 1998
BA Carleton College 1985
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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
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MD University of Santo Tomas 1976
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Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of Chicago 1970
BA Swarthmore College 1966
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Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1981
BA Cornell College 1977
Richard A Geisman, MD
Instructor in Clinical Medicine (primary appointment)
MD Tulane University 1983
BS Saint Louis University 1979

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Professor of Medicine (primary appointment)
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MD New York University 1971
BS Mass Inst of Technology (MIT) 1967

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MD Columbia University 2002
BA University of CA Berkeley 1996
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Assistant Professor of Medicine (primary appointment)
MBBS Christian Medical College 1998

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

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

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MD University of MO Columbia 2003

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Associate Professor of Medicine (primary appointment)
PHD Dartmouth College 1973
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MD University of Rochester 1976

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BS Univ of Wisconsin Oshkosh 1979
PHD Iowa State University 1985

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BS University of Illinois 2001
MD Saint Louis University 2005

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MD University of Washington 1988

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MD University of Iowa 1989
BS University of Illinois 1985

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BA Harvard University 1973

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MD Washington Univ in St. Louis 1985
BA Harvard University 1978
PHD Washington Univ in St. Louis 1985

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Professor of Biochemistry and Molecular Biophysics
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BS University of Nebraska 1970
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MBA Washington Univ in St. Louis 1996
Ramaswamy Govindan, MD  
Professor of Medicine (primary appointment)  
MD University of Madras 1986

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Professor of Developmental Biology  
PHD Univ of Wisconsin Madison 1975  
BS Iowa State University 1971

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

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MS Ohio State University 2014  
BS Ohio State University 2011  
MD Ohio State University 2016

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Professor of Pathology and Immunology  
BS University of Michigan 1982  
MD Wayne State University 1986

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M PH Harvard University 2004  
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Assistant Professor of Genetics  
BS1 University of Winnipeg 2002  
PHD University of British Columbia 2010  
BS University of Winnipeg 2002

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Associate Professor of Medicine (primary appointment)  
Associate Professor of Genetics  
BS University of Winnipeg 2002  
PHD University of British Columbia 2010  
BS University of Winnipeg 2002

Associate Professor of Genetics  
PHD British Columbia Open Univ 2008  
BS University of Winnipeg 2002

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

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

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

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

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

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Instructor in Clinical Medicine (primary appointment)  
MD School Not Listed 1982  
BS School Not Listed 1975

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

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

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

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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 Gutierrez, M PH, MD
Associate Professor of Medicine (primary appointment)
M PH Harvard University 2006
MD Case Western Reserve Univ 2000
BS Brown University 1996
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Professor of Medicine (primary appointment)
MBBS University of Calicut 1985
MD University of Calicut 1990
H
Ramsey R Hachem, BA1, MD1, MD
Professor of Medicine (primary appointment)
Tracey C Marshall - Dr. Elbert P Trulock Distinguished Professor of Medicine
BA Southern Methodist University 1992
BA1 Southern Methodist University 1992
MD1 University of Texas Southwest 1997
MD University of Texas Southwest 1997
Zachary T Hafez, MD, MA
Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of MO Columbia 2014
MA Univ of IL-Urbana-Champaign 2008
BA Univ of IL-Urbana-Champaign 2006
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, MD, MBBS
Instructor in Clinical Medicine (primary appointment)
MD RNT Medical College 1973
MBBS RNT Medical College 1968
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
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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, MS, PHD
Assistant Professor of Medicine (primary appointment)
MS Missouri College 2010
PHD University of Michigan 2016
BA University of Evansville 2004
Charles A. Harris, PHD, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
BS Brown University 1994
PHD Washington Univ in St. Louis 2002
MD Washington Univ in St. Louis 2002
Justin C Hartupee, MD, PHD
Assistant Professor of Medicine (primary appointment)
MD Case Western Reserve Univ 2010
PHD Case Western Reserve Univ 2008
Syed Hasan
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
Jeffrey A Haspel, MD, PHD
Assistant Professor of Medicine (primary appointment)
MD New York U. School of Medicine 2003
PHD New York U. School of Medicine 2001
BS Binghamton University 1994
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)
BA Rockhurst College 1981
MD University of Missouri 1986
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
BA University of Louisville 1957
MD University of Louisville 1961
Laura Elaina Heitsch, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
Assistant Professor of Neurology
BS University of Illinois 1999
MD University of Illinois 2005

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

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Associate Professor of Medicine (primary appointment)
Associate Professor of Molecular Microbiology
MD Washington Univ in St. Louis 2002
BS Univ of Wisconsin Madison 1994
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)
MD Saint Louis University 1991
BA Saint Louis University 1982

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

Cynthia Joan Herrick, MD
Assistant Professor of Medicine (primary appointment)
BS Princeton University 2002
MD Washington Univ in St. Louis 2006

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

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

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

Stuart T. Higano, MD
Instructor in Clinical Medicine (primary appointment)

MD University of Massachussetts 1984

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Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Utah 2006

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

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

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

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

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Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1992

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

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
MD Northwestern University 1975
BA Northwestern University 1971

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)
MD Saint Louis University 1968
BA Dartmouth College 1964

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

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

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

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

David Thomas Howell
Instructor in Clinical Medicine (primary appointment)

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

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

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

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

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

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

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

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

Yafei Huang, PHD, MS
Instructor in Medicine (primary appointment)

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

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

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

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

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

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

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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

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Adjoint Assistant Professor of Medicine (primary appointment)  
MD University of MO Columbia 1976

**Eva Susanne Istvan, PhD**  
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HHMI Specialist II  
PHD University of Texas Southwest 2000  
BS University of Houston 1993

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

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BS Washington Univ in St. Louis 1977  
MD Washington Univ in St. Louis 1983

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

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

**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**  
Adjoint Assistant Professor of Medicine (primary appointment)  
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PHD University of Texas Southwest 2000  
BS University of Houston 1993

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MD Northwestern University Med 1998  
BS Washington Univ in St. Louis 1993

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BS Washington Univ in St. Louis 1977  
MD Washington Univ in St. Louis 1983  
ME Carnegie Mellon University 1979

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

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

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Assistant Professor of Medicine (primary appointment)  
BS Johns Hopkins University 1996  
PHD Washington Univ in St. Louis 2005  
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Instructor in Medicine (primary appointment)  
PHD University of Alberta 2013

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

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JD Saint Louis University 2004  
BS University of Iowa 1984  
MD University of Iowa 1988

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

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Associate Professor of Medicine (primary appointment)  
MBBS Maulana Azad Medical College 1986

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

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

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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

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PHD University of Chicago 2006
BA University of Chicago 2000
MD University of Chicago 2008
BS University of Chicago 2000

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BA Washington Univ in St. Louis 1972
PHD Washington Univ in St. Louis 1993
MA Washington Univ in St. Louis 1990

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PHD Vanderbilt University 1997
BS Michigan State University 1991

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PHD Washington Univ in St. Louis 2018
BS Univ of Wisconsin Madison 2004

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

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MD Washington Univ in St. Louis 2016

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

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

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

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

Reuben D Johnson, BE, BS1, MD
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BE Georgia Tech 1996
BS1 Morehouse College 1996
MD Howard University College of M 2002

William F Johnson
Adjunct Instructor in Medicine (primary appointment)

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

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

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

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

Barbara Jost, MD, MS
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1997
BS University of Missouri 1993
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
MD Duke University 2004
BA Princeton University 2000

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)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Title Code</th>
<th>Education</th>
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<tr>
<td>Patricia F Kao, BE, MD, MS2</td>
<td>Associate Professor of Medicine (primary appointment)</td>
<td>BA University of MO Kansas City 2006</td>
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<td>MD Case Western Reserve Univ 2001</td>
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<td>MS2 Ohio State University 1997</td>
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<tr>
<td>Divya Kapoor, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA University of Washington 2002</td>
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<td>MD University of Washington 2002</td>
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<tr>
<td>Robert S Karsh, MD</td>
<td>Professor of Clinical Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 1951</td>
</tr>
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<td>MD Washington Univ in St. Louis 1952</td>
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<tr>
<td>Andrew M. Kates, MD</td>
<td>Professor of Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 1951</td>
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<td>BS Tufts University 1990</td>
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<tr>
<td>Shashi Krishna Katukoori, MS, MD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BS Eastern Kentucky University 2010</td>
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<td>BA Eastern Kentucky Medical College 2004</td>
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<td>MD Saint Louis University 2011</td>
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<tr>
<td>David A Katzman, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>BA Saint Louis University 1991</td>
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<td>MD Tufts University 1986</td>
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<tr>
<td>Andrew L. Kau, MD, PHD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 2006</td>
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<td>BS Emory University 1998</td>
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<td>PHD Washington St University 2006</td>
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<tr>
<td>Charles Kaufman, MD, PHD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 1997</td>
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<td></td>
<td>MD University of Chicago 2005</td>
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<td></td>
<td>Assistant Professor of Developmental Biology</td>
<td>PHD University of Chicago 2003</td>
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<tr>
<td>Robert L Kaufman, MD</td>
<td>Assistant Professor of Clinical Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 1963</td>
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<tr>
<td>Brandon David Kayser, PHD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BS Chapman University 2007</td>
</tr>
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<td>PHD University of Southern Calif 2014</td>
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<tr>
<td>Elizabeth Jane Keath, PHD</td>
<td>Associate Professor of Medicine (primary appointment)</td>
<td>BA University of MO St Louis 1978</td>
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<td>PHD Saint Louis University 1985</td>
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<td>BA University of MO St Louis 1978</td>
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<tr>
<td>Dalius Kedainis, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>BA Washington Univ in St. Louis 1982</td>
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<td>MD Saint Louis University 1982</td>
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<tr>
<td></td>
<td>Adjunct Professor of Medicine (primary appointment)</td>
<td>BS University of Illinois 1978</td>
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<tr>
<td>Eirini Kefalogianni, PHD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BA Agnes Scott College 1984</td>
</tr>
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<td>MD Johns Hopkins University 2009</td>
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<tr>
<td>Timothy Lee Kella, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA University of Southern Calif 2008</td>
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<td></td>
<td>Assistant Professor of Developmental Biology</td>
<td>BS Saint Josephs University 2001</td>
</tr>
<tr>
<td>Joseph L Kenzora, MD</td>
<td>Associate Professor of Medicine (primary appointment)</td>
<td>BA University of New Mexico 1975</td>
</tr>
<tr>
<td>Martin Hurley Kerrigan, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA Eastern Virginia Med School 1979</td>
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<tr>
<td>Ahmed Sultan Khan</td>
<td>Adjunct Instructor in Medicine (primary appointment)</td>
<td>BA Eastern Virginia Med School 1979</td>
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<td>Charbel Chafic Khoury, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BA Eastern Virginia Med School 1979</td>
</tr>
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<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BS American University of Beirut 2004</td>
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<tr>
<td>Thomas B Kibby, MPH, MD</td>
<td>Instructor in Emergency Medicine in Medicine (primary appointment)</td>
<td>BS American University of Beirut 2004</td>
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<td>MD American University of Beirut 2008</td>
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<tr>
<td>Daniel Jason Kichura, MD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BA Indiana University 2008</td>
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29
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Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1993

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MD University of California 1990  
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BS Saint Louis University 1980

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MSN University of Texas Austin 1987  
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Professor of Medicine (primary appointment)  
BA Yale University 1956  
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PHD Albert Einstein College of Med 1993  
MD Albert Einstein College of Med 1993

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PHD Emory University 2011  

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MD Saint Louis University 2002  

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UNKNOWN Rhodes College 1982  

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MD University of Rochester 1983  
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MBBS Guntur Medical College 1989  

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BA University of MO Kansas City 1995  
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BS University of Texas Austin 2012  

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BA University of Notre Dame 1980  
MD University of Illinois 1984  

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MD Duke University 1982  

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

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David C and Betty Farrell Professor of Medicine (primary appointment)  
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MD Washington Univ in St. Louis 1962  

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BA School Not Listed 1981  
MD Semmelweis University of Med 1985  

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Professor of Biomedical Engineering  
Professor of Cell Biology and Physiology  
MS California Institute Technolo 1972  
PHD California Institute Technolo 1977  
BS Cornell University 1969  
MD University of Miami 1979  

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BA Amherst College 1987  
MD Johns Hopkins University Medic 1991  

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BA Dordt College 2009  
MD University of Iowa 2013  

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

Elaine Susan Krul, PHD  
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BS McGill University 1977  
PHD McGill University 1982  

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MD Saint Louis University 1986
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MD University of Illinois 1964

Frederick Matthew Kuhlmann, MD
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BS Emory University 1998
MD Emory University 2002

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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)
BS University of Georgia 1992
BS1 University of Georgia 1992
PHD Washington Univ in St. Louis 2000
MD Washington Univ in St. Louis 2000

David I. Kuperman, MD
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MD University of Arkansas 2001
BA Hendrix College 1997

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

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

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

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Assistant Professor of Medicine (primary appointment)
PHD University of New Mexico 2007
MS University of Ghana Medical Sc 2003

MD University of Ghana Medical Sc 1998

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Associate Professor of Medicine (primary appointment)
Associate Professor of Computer Science and Engineering
BS Columbia University 2000
MA Columbia University 2004
M PHIL Columbia University 2005
MS Columbia University 2001
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, MD, MS, PHD
Professor of Medicine (primary appointment)
James R Hornsby Family Professor in Biomedical Sciences
Professor of Biomedical Engineering
MD Northwestern University 1992
MS University of Georgia 1981
PHD University of Georgia 1981
BA Colby College 1975

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

Shane Joseph LaRue, MD
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MD Medical College of Wisconsin 2005

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Professor of Medicine (primary appointment)
Professor of Surgery (Cardiothoracic Surgery)
MD University of Connecticut 1983
BA Drew University 1975
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 Developmental Biology
Assistant Professor of Pathology and Immunology
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)
BA Temple University 1972
MD Temple University 1976

Steven J Lawrence, MD, MS
Associate Professor of Medicine (primary appointment)
BS Rose Hulman Institute 1992
MD Washington Univ in St. Louis 1997
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
MD Saint Louis University 1983

Wang Sik Lee, MA, PHD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MA Korea University Medical Coll 1982
BA Korea University Medical Coll 1978
PHD Korea University Medical Coll 1990

Robert B Lehman, MD
Instructor in Clinical Medicine (primary appointment)
BA Texas Tech University 1977
MD Texas Tech University 1982

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

Deborah J. Lenschow, PHD, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Pathology and Immunology
BA Wittenberg University 1990
PHD University of Chicago 1995
MD University of Chicago 1998

Daisy W Leung, PHD
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Associate Professor of Biochemistry and Molecular Biophysics
Associate Professor of Pathology and Immunology
BS Amherst College 1997
PHD University of Texas Southwest 2005

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

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

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

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

Han Li, MD
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BS University of Michigan 2011
MD Washington Univ in St. Louis 2016

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

Shunqiang Li, PHD
Assistant Professor of Medicine (primary appointment)
MD Southeast U Medical School 1995
PHD Texas Tech University 2006

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Assistant Professor of Medicine (primary appointment)
BA Cornell University 1998
BA1 Cornell University 1998
MD University of Maryland 2004

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

Stephen Bradley Lillard, MD
Instructor in Clinical Medicine (primary appointment)
MD Univ of Health Sciences KC 1970

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)
BS University of Illinois 2003
MD Emory University 2007

Brian Richard Lindman, MD, MA
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MD Vanderbilt University 2003
BS Duke University 1997
MA Reformed Theological Seminary 2001

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

Michael Brayer Lippmann, MD
Professor of Medicine (primary appointment)
MD State University of New York 1977
BA State University of New York 1973

Mauricio Lisker-Melman, MD
Professor of Medicine (primary appointment)
MD National Autonomous U of Mex 1980

David B Liss, MD
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BS Northwestern University 2007
MD University of Illinois Chicago 2011

Mary Kathryn Liszewski
Assistant Professor of Medicine (primary appointment)
BA University of MO St Louis 1971

Patricia Elizabeth Litkowski, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2013

Adam Daniel Littich, MD
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MD Saint Louis University 2009

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MD University of MO Columbia 2008

Jianmei Liu, MD, MS
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MD Shanghai Medical University 1984
MS Shanghai Medical University 1987

Xinping Liu, PHD, MS
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BS School Not Listed 1986
PHD Washington Univ in St. Louis 2005
MS Southeast Missouri St Univers 1999

Adam Edward Locke, PHD
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BA Lawrence University 2003

Irfan J Lodhi, PHD, MS
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PHD University of Michigan 2007
BS University of Michigan 1993
MS Wayne State University 1996

Beverly A Logan-Morrison, MD
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MD Washington Univ in St. Louis 1982
BA Webster University 1976

Andrea Loiselle, M PH, MD
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M PH California State University 1999
BS University of California 1995
MD Drexel University 2005

Gregory D Longmore, MD, MS
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Professor of Cell Biology and Physiology
MD McGill University 1983
MS University of Toronto 1979
BS University of Western Ontario 1977

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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
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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
BS School Not Listed 1957
MBBS University of Adelaide 1963

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Mabel Dom-Reeder Distinguished Professor of the History of Medicine
BA Harvard University 1968
MD Johns Hopkins University 1973
MA Johns Hopkins University 1971

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

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MD University of Rochester 1972

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MD University of Iowa 1999
BA Indiana University Bloomington 1982
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John P Lynch, MD
Professor of Medicine (primary appointment)
MD Georgetown University 1989
BA Saint Louis University 1983

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BA Washington Univ in St. Louis 1972
MD Washington Univ in St. Louis 1976

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BA Washington Univ in St. Louis 1952
MD Washington Univ in St. Louis 1956
BS Washington Univ in St. Louis 1952

M

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PHD University of Cincinnati 1997

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BA Qufu Normal University 1993
MS Fudan University 1996

PHD Ocean University of China, Qin 2004

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Associate Professor of Medicine (Dermatology) (primary appointment)
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PHD University of CA Los Angeles 1995

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MD Case Western Reserve Univ 2013

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MD Albert Einstein College of Med 2008
BS Trinity College 2003

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Professor of Medicine (primary appointment)
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MS Harvard University 2007
MD Emory University 1999

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PHD University of Michigan 2005
BS Washington Univ in St. Louis 1998

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BA Cornell College 1995
PHD Saint Louis University 2001

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
BS Simon Fraser University 2002
PHD Simon Fraser University 2007

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

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

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)
BS Indiana University Bloomington 1986
MD Indiana University Bloomington 1993
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)
BA De Paul University 1968

MD University of Missouri 1972

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)
BA University of Pennsylvania 2001
MD University of Texas Southwest 2005

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

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

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

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

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

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, MA, PHD
Associate Professor of Medicine (primary appointment)
John T. Milliken Department of Medicine (08/12/19)

MA School Not Listed 1987
PHD University of Paris 1992

**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

**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, AS, DPT, MS**
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
AS Oakton Community College 2000
DPT Washington Univ in St. Louis 2005
MS Washington Univ in St. Louis 1990

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

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

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

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

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

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

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

**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)
MD Washington Univ in St. Louis 1954
BA Washington & Lee 1950

**James Patrick Mendoza, MS, MD**

MS University of Oklahoma 2015
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MS Boston University 2012
BS University of Virginia 2009
MD Commonwealth College 2016

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)
MD Sri Venkateswara University 2006

Rabia Mian, MBBS
Instructor in Clinical 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)
BA Saint Louis University 1999
MD Saint Louis University 2003

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

Christopher A Miller, BS1, PHD
Assistant Professor of Medicine (primary appointment)
BS1 Truman State University 2005
BS Truman State University 2005
PHD Baylor University 2011

Heidi B Miller, MD
Instructor in Clinical Medicine (primary appointment)
MD Harvard University 2000
BS Yale University 1994

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

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

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

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

Jaspur J Min
Instructor in Medicine (Pending Dean's Approval) (primary appointment)

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

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

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

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
PHD Wageningen University 2001
MS University of Skopje - Macedon 1994
BS University of Skopje - Macedon 1990

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

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

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

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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)
MD Case Western Reserve Univ 1972
BA De Paul University 1968

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Associate Professor of Medicine (primary appointment)
Associate Professor of Pathology and Immunology
MD University of Puerto Rico 1985
BS University of Puerto Rico 1982

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
BS University of Missouri 1952
MD University of Pittsburgh 1954

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

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

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MD University of Missouri 1993
BA Benedictine College 1987
MS Saint Louis University 1989

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Professor of Medicine (primary appointment)
Professor of Developmental Biology
MBBS University of London 1970

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

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MS University of Pennsylvania 2017
BS University of Toronto 1998
PHD University College London 2010

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Instructor in Clinical Medicine (primary appointment)
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Instructor in Emergency Medicine in Medicine (primary appointment)
PHD Univ of Wisconsin Madison 2011
MD University of Wisconsin-Madiso 2013

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Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MD Washington Univ in St. Louis 2013
PHD Washington Univ in St. Louis 2013

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Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Medical College of Wisconsin 2010

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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

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Professor of Medicine (primary appointment)
MD University of Connecticut 2001

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Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pediatrics
MD University of MO Kansas City 1997

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Associate Professor of Emergency Medicine in Medicine (primary appointment)
MD Hahnemann University 1987

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

**Haris Farooq Murad**
Assistant Professor of Medicine (primary appointment)

**Jacob Gregory Murray, MD**
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
BS University of Iowa 2011
MD Des Moines University 2016

**Amy Musiek, MD**
Associate Professor of Medicine (Dermatology) (primary appointment)
MD Vanderbilt University 2004
BS University of Missouri 1999

**Tahsin Mustaque, MBBS**
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MBBS Dhaka University 2012

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

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Instructor in Clinical Medicine (primary appointment)

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

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

**Devika Nagaraj**
Instructor in Clinical Medicine (primary appointment)

**Elna M Nagasako, PHD, MD**
Assistant Professor of Medicine (primary appointment)
PHD University of Rochester 2001
BS Pomona College 1991

**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 (Pending Dean's Approval) (primary appointment)

**Michael J. Naughton, MD**
Associate Professor of Medicine (primary appointment)
MD State Univ of NY Buffalo 1993
BA Williams College 1989

**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, MA, PHD**
Adjunct Associate Professor of Medicine (primary appointment)
MA Stanford University 1981
PHD Stanford University 1989
BS University of California 1980

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

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Professor of Medicine (primary appointment)
Alumni Endowed Professor of Molecular Biology and Pharmacology in Developmental Biology
BA Pomona College 1984

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

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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)
BA Mary Washington College 1997
MD University of Virginia 2001
Nguyet Minh Nguyen, MD, MD1, BS1
Assistant Professor of Medicine (primary appointment)
MD Wayne State University 1993
MD1 Wayne State University 1993
BS University of Michigan 1989
BS1 University of Michigan 1989

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

Roland Tezeh Njei, MD
Instructor in Medicine (Pending Dean's Approval) (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

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

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 Louisana 1998
MD Louisiana St Univ Hlth Sci 2002

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

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Professor of Clinical Medicine (primary appointment)
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MD School Not Listed 1973

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UNKNOWN1 Nishtar Medical College Multa 1974
UNKNOWN Govt College Sarhodha 1968

O

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MBBCH University College Cork 2006

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MD School Not Listed 1977
BA University of Kansas 1972

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MBBCH National University of Irelan 2006

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

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)
BS Gustavus Adolphus College 2003
MD University of Minnesota 2007

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)
BS Georgia St University 2011
MD University of South Carolina 2016

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)
BS University of Ibadan 1975
PHD University of Ibadan 1981

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

Margaret Olsen, MPH, PhD
Professor of Medicine (primary appointment)
Professor of Surgery (Public Health Sciences)
Robert F Onder Jr, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1987
BA Washington Univ in St. Louis 1983

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

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

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

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
MD Harvard University 1986
BA Harvard University 1982

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)
MD University of Tennessee 1999
BA University of Tennessee 1992

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

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
BS University of Missouri 1954
MD Washington Univ in St. Louis 1956

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

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

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

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

Kerry Will Pantelis, MD
Instructor in Medicine (primary appointment)
MD University of MO Kansas City 2004

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

Haeseong Park, MD, MS
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>John T. Milliken</td>
<td>Department of Medicine (08/12/19)</td>
<td></td>
</tr>
</tbody>
</table>
| Stephanie Sun-Young Park      | Instructor in Clinical Medicine (primary appointment) | BS Seoul National University 2001  
|                               |                                          | MD Seoul National University 2006  
|                               |                                          | MS Johns Hopkins University 2007  
| 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) |                                                                           |
| 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, M PH, MD        | Assistant Professor of Medicine (primary appointment) | M PH Johns Hopkins University 2012  
|                               |                                          | MD Wayne State University 2004  
|                               |                                          | BA University of Michigan 2000  
| Urvi Patel, MD                | Assistant Professor of Medicine (Dermatology) (primary appointment) | MD University of Tenn Memphis 2011  
|                               |                                          | BA Kent St University 2007  
| Amanullah Pathan, MS, UNKNOWN, UNKNOWN1 | Instructor in Clinical Medicine (primary appointment) | MS 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  
| Philip Richard Orrin Payne, PHD, MA | Professor of Medicine (primary appointment) |                                                                           |
|                               |                                          | Professor of Computer Science and Engineering  
|                               |                                          | Robert J Terry Professor  
|                               |                                          | PHD Columbia University 2006  
|                               |                                          | BA University of CA San Diego 1999  
|                               |                                          | MA Columbia University 2000  
| Chelsea Elizabeth Pearson, MD | Instructor in Clinical Medicine (primary appointment) | MD University of Louisville 1982  
|                               |                                          | BA Washington Univ in St. Louis 1978  
|                        |                                          | 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  
|                               |                                          | MS Central Michigan University 1984  
|                               |                                          | PHD University of Southwestern Lo 1986  
| Katrina Sophia Pedersen, MD, MS | Assistant Professor of Medicine (primary appointment) | BA Grinnell College 2003  
|                               |                                          | MD Southern Illinois University 2009  
|                               |                                          | 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) | BS University of Puerto Rico 1970  
|                               |                                          | MD University of Puerto Rico 1973  
| Laurence F Perlstein, MD      | Instructor in Clinical Medicine (primary appointment) | MD University of Louisville 1974  
|                               |                                          | BS Tulane University 1967  
| 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) | BS University of Michigan 1999  
|                               |                                          | PHD Mass Inst of Technology (MIT) 2010  
| Allegra Petti, PHD            | Assistant Professor of Medicine (primary appointment) | BS Emory University 2010  
|                               |                                          | BS Lawrence University 2003  
| 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 Philips, PHD, PHD, MD | Associate Professor of Medicine (primary appointment) | BS Southern Illinois University 1985  
|                               |                                          | MD Southern Illinois University 2009  
|                               |                                          | MS University of Iowa 2005  
|                               |                                          | MD University of California 1978  
|                               |                                          | BS Tulane University 1967  
|                               |                                          | MD Washington Univ in St. Louis 1990  
|                               |                                          | BS Tulane University 2000  
|                               |                                          | MD Tulane University 2006  
|                               |                                          | Timothy Richard Peterson, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS University of Michigan 1999  
|                               |                                          | PHD Mass Inst of Technology (MIT) 2010  
|                               |                                          | Allegra Petti, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS Emory University 2010  
|                               |                                          | BS Lawrence University 2003  
|                               |                                          | 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 Philips, PHD, PHD, MD  
|                               |                                          | Associate Professor of Medicine (primary appointment) | BS Southern Illinois University 1985  
|                               |                                          | MD Southern Illinois University 2009  
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|                               |                                          | MD University of California 1978  
|                               |                                          | BS Tulane University 1967  
|                               |                                          | MD Washington Univ in St. Louis 1990  
|                               |                                          | BS Tulane University 2000  
|                               |                                          | MD Tulane University 2006  
|                               |                                          | Timothy Richard Peterson, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS University of Michigan 1999  
|                               |                                          | PHD Mass Inst of Technology (MIT) 2010  
|                               |                                          | Allegra Petti, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS Emory University 2010  
|                               |                                          | BS Lawrence University 2003  
|                               |                                          | 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 Philips, PHD, PHD, MD  
|                               |                                          | Associate Professor of Medicine (primary appointment) | BS Southern Illinois University 1985  
|                               |                                          | MD Southern Illinois University 2009  
|                               |                                          | MS University of Iowa 2005  
|                               |                                          | MD University of California 1978  
|                               |                                          | BS Tulane University 1967  
|                               |                                          | MD Washington Univ in St. Louis 1990  
|                               |                                          | BS Tulane University 2000  
|                               |                                          | MD Tulane University 2006  
|                               |                                          | Timothy Richard Peterson, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS University of Michigan 1999  
|                               |                                          | PHD Mass Inst of Technology (MIT) 2010  
|                               |                                          | Allegra Petti, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS Emory University 2010  
|                               |                                          | BS Lawrence University 2003  
|                               |                                          | 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 Philips, PHD, PHD, MD  
|                               |                                          | Associate Professor of Medicine (primary appointment) | BS Southern Illinois University 1985  
|                               |                                          | MD Southern Illinois University 2009  
|                               |                                          | MS University of Iowa 2005  
|                               |                                          | MD University of California 1978  
|                               |                                          | BS Tulane University 1967  
|                               |                                          | MD Washington Univ in St. Louis 1990  
|                               |                                          | BS Tulane University 2000  
|                               |                                          | MD Tulane University 2006  
|                               |                                          | Timothy Richard Peterson, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS University of Michigan 1999  
|                               |                                          | PHD Mass Inst of Technology (MIT) 2010  
|                               |                                          | Allegra Petti, PHD  
|                               |                                          | Assistant Professor of Medicine (primary appointment) | BS Emory University 2010  
|                               |                                          | BS Lawrence University 2003  
|                               |                                          | 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 Philips, PHD, PHD, MD  
|                               |                                          | Associate Professor of Medicine (primary appointment) | BS Southern Illinois University 1985  

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Associate Professor of Molecular Microbiology  
PHD University of CA San Francisco 2015  
BA Columbia University 1991  
PHD University of CA San Francisco 1998  
MD University of CA San Francisco 2000  

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  
BA University of Illinois 1979  
MD Harvard University 1984  

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 (Pending Dean’s Approval) (primary appointment)  
BS University of Alabama 2012  
MD University of Mississippi 2016  

Bryan Douglas Piotrowski, MD  
Instructor in Clinical 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  
Instructor in 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, MBBCH  
Adjunct Professor of Medicine (primary appointment)  
MBBCH University of the Witwatersra 1973  

Makawai Ongruangporn, 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)  
BS John Carroll University 1967  
MD Saint Louis University 1971  

Lee S Portnoff, MA, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
MA University of California 1974  
MD Washington Univ in St. Louis 1978  
BS Purdue University 1972  

Daniel E Potts, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BS Beaufort Technical College 1968  
MD Washington Univ in St. Louis 1972  

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 Irelan 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)  
BA Yale University 1981  
MD University of California 1991  

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**  
Assistant Professor of Medicine (primary appointment)  
PHD Washington Univ in St. Louis 2001  
MD Washington Univ in St. Louis 2001  
BA Scripps College 1990

**Bethany C. Prudner, PHD**  
Instructor in Medicine (primary appointment)  
BS Youngstown St University 2003  
PHD Kent St University 2013

**Patricia Elizabeth Prusaczyk, 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, MS, MD, PHD**  
Assistant Professor of Clinical Medicine (primary appointment)  
BS University of Toronto 1962  
MS University of Toronto 1966  
MD Washington Univ in St. Louis 1975  
PHD University of Toronto 1970

**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

**Patricia M Quinley, MD**  
Instructor in Clinical Medicine (primary appointment)  
MD University of Illinois 1989  
BS University of Illinois 1985

**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, MD, MA, PHD**  
Professor of Medicine (primary appointment)  
Alan A and Edith L Wolff Professor of Oncology  
Professor of Molecular Microbiology  
BA Harvard University 1973  
MD Yale University 1979  
MA Harvard University 1973  
PHD Yale University 1979

**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)
MD Emory University 1997
BA Emory University 1993

Babak Razani, MD, PHD
Associate Professor of Medicine (primary appointment)
Associate Professor of Pathology and Immunology
MD Albert Einstein College of Med 2003
PHD Albert Einstein College of Med 2003

Timothy Patrick Rearden, MS, MD
Associate Professor of Medicine (primary appointment)
BS Southeast Missouri St Univers 1979
MS University of MO Columbia 1981
MD University of MO Columbia 1985

Katharine 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)
MD Texas Tech University 1996
BA University of Texas Austin 1992

Susan Robinson Reeds, MD
Assistant Professor of Medicine (primary appointment)
MD University of Rochester 1996
BS Haverford College 1990

Lester T Reese, MD
Professor of Clinical Medicine (Dermatology) (primary appointment)
MD Tulane University 1966
BS Tulane University 1962

Allison Ann Regier, PHD, MS
Instructor in Medicine (primary appointment)
BS Bethel College 2004
PHD University of Notre Dame 2011
MS University of Notre Dame 2009

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 Reimers, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Saint Louis University 2013
BA Washington Univ in St. Louis 2008
BA Washington Univ in St. Louis 2008

Craig K Reiss, MD
Professor of Clinical Medicine (primary appointment)
BA University of Missouri 1979
MD University of Missouri 1983

Jacqueline Levy Reiss, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1990
BA University of MO Kansas City 1989

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 1987

Zhen Ren
Instructor in Medicine (primary appointment)

Hilary Elizabeth Lee Reno, MS, PHD, MD
Assistant Professor of Medicine (primary appointment)
MS University of Illinois 1997
PHD University of Illinois 2000
MD University of Illinois 2002

Stacey L. Rentschler, PHD, MD, MS
Associate Professor of Medicine (primary appointment)
Associate Professor of Biomedical Engineering
Associate Professor of Developmental Biology
PHD Mount Sinai School of Medicine 2002
MD Mount Sinai School of Medicine 2004
BS Lehigh University 1995
MS Mount Sinai School of Medicine 2000

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)
MD University of Illinois 1979
BA University of Illinois 1979

Lois F. Richard, PHD, MD
Assistant Professor of Medicine (primary appointment)
PHD Saint Louis University 1998
MD Saint Louis University 1999  
BS Murray St University 1982  

Nancy Ridenour  
Adjunct Professor of Medicine (primary appointment)  

Amy Elizabeth Riek, MD  
Assistant Professor of Medicine (primary appointment)  
BS Univ of Wisconsin Madison 2001  
MD Washington Univ in St. Louis 2005  

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  
PHD Johns Hopkins University 2009  
BS Western Kentucky University 2004  

Paul Arthur Robiolio, MD, M PHIL  
Assistant Professor of Clinical Medicine (primary appointment)  
BS Haverford College 1983  
MD Washington Univ in St. Louis 1989  
M PHIL Cambridge University 1985  

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)  
BS Union College New York 1982  
MD School Not Listed 1987  

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)  
BS University of Dayton 2007  
MD University of Illinois Chicago 2011  

Richard Rood, MD  
Professor of Medicine (primary appointment)  
MD Wright State University 1982  

Bruce A Rosa, PHD, MS  
Assistant Professor of Medicine (primary appointment)  
PHD Lakehead University 2012  
BS Lakehead University 2005  
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  
MD Mount Sinai School of Medicine 1989  
BS Columbia University 1985  

Anna Roshal, MD  
Assistant Professor of Medicine (primary appointment)  
BS University of Rochester 1993  
MD University of Rochester 1997  

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 J 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)  
MD Washington Univ in St. Louis 1971  
BA Princeton University 1967  

Jeremy Rower, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Cincinnati 1993  
MD University of Cincinnati 1997  

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 1975
MS Washington Univ in St. Louis 1992
BS Saint Louis University 1977

Brent E Ruoff, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
BS Graceland College 1977
MD Saint Louis University 1981

Michael B Rusche
Adjunct Instructor in Medicine (primary appointment)

Tonya D Russell, MD, BS1, MD1
Professor of Medicine (primary appointment)
BS University of Florida 1993
MD University of Florida 1997
BS1 University of Florida 1993
MD1 University of Florida 1997

Ilaria Russo, PhD, MS, MS
Assistant Professor of Medicine (primary appointment)
BS University of Palermo 1998
PHD University of Padua 2005
BS University of Palermo 1998
MS University of Padua 1998
MS University of Padua 1998

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, MD, M PH
Assistant Professor of Medicine (primary appointment)
MD Duke University 2001

M PH University North Carolina 2000

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, MD, PHD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2011
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)
BS Reading University 1982
MD Saint Louis University 1998
DC Logan College of Chiropractic 1991

Robert J Saltman, MD
Associate Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1980
BA Yale University 1976

John Mark Samet, MD
Instructor in Clinical Medicine (primary appointment)
BS Washington & Lee 1964
MD University of Missouri 1968

Dmitri Samovski, PHD
Assistant Professor of Medicine (primary appointment)
PHD Hebrew University 2009

Lawrence E Samuels, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA University of Texas Austin 1972
MD Washington Univ in St. Louis 1976
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, MD, MHS  
Assistant Professor of Medicine (primary appointment)  
BS Washington Univ in St. Louis 2003  
MD University of MO Columbia 2007  
MHS Washington Univ in St. Louis 2012

Sumithra Sankaraman, PHD, MS  
Instructor in Medicine (primary appointment)  
PHD Institute of Math Sciences 2003  
MS Indian Institute Of Technology 1997  
BS Fergusson College 1995

Daniel Jose Santa Cruz, MD  
Instructor in Clinical Medicine (Dermatology) (primary appointment)  
MD Universidad def Buenos Aires 1971

Evelio E. Sardina, MS, PHD, MD  
Instructor in Clinical Medicine (primary appointment)  
MS University of South Florida 1988  
PHD University of South Florida 1990  
BA Rutgers University 1985  
MD University of South Florida 1994

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)  
BA University Wyoming 1971  
MD Oregon Health Science Univers 1975

Jean E. Schaffer, MD  
Adjunct Professor of Medicine (primary appointment)  
BA Harvard Radcliffe 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, DDENT, PHD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Cell Biology and Physiology  
BS Michigan State University 2004  
DDENT University of Michigan 2011

Mark Scheperle, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Missouri 1989  
BA University of Missouri 1989

Alvin K Schergen, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1976  
MD Saint Louis University 1980

Joel D. Schilling, MD, PHD  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Pathology and Immunology  
MD Washington Univ in St. Louis 2003  
BA Colorado College 1996  
PHD Washington Univ in St. Louis 2001

Tania L Schmid, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Mississippi 1985  
BA University of Mississippi 1981

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)  
BS University of Toledo 1999  
MD University of Cincinnati 2003

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, PHD, MD
Professor of Clinical Medicine (primary appointment)  
Adjunct Professor of Medicine  
PHD School Not Listed 1971  
BA Columbia College 1965  
MD School Not Listed 1972

David B Schwartz, PHD, MD, MA  
Associate Professor of Medicine (primary appointment)  
PHD Washington Univ in St. Louis 1986  
MD Washington Univ in St. Louis 1987  
MA Washington Univ in St. Louis 1987  
BS University of Michigan 1980

Evan Stuart Schwarz, MD  
Associate Professor of Emergency Medicine in Medicine (primary appointment)  
MD University of Texas Austin 2005  
BA University of Texas Austin 2001

George G. Schweitzer, PHD, MS  
Instructor in Medicine (primary appointment)  
BS Washington Univ in St. Louis 2004  
PHD University of Michigan 2011  
MS Southern Ill Univ Edwardsville 2007

Kristen Ann Scullin-Hartman, MD  
Instructor 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)  
MD University of Missouri 1987  
BA 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)  
BS St Vincent College 1964  
MD Saint Louis University 1968

Harvey Serota, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Johns Hopkins University 1982  
BA Johns Hopkins University 1976

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  
MD Johns Hopkins University 2012  
BS Nankai University 2003  
MS Fudan University 2007

Elaine Yilin Shao, MD  
Instructor in Medicine (Pending Dean's Approval) (primary appointment)  
BS Wake Forest University 2012  
MD East Carolina University 2016

Jieya Shao, PHD  
Assistant Professor of Medicine (primary appointment)  
BS Nankai University 1996  
PHD Oklahoma St University 2002

Rajiv Kumar Sharma  
Adjunct Instructor in Medicine (primary appointment)  
Gerald Stephen Shatz, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1974  
BA Northwestern University 1970

Nidal Shawahin, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Jordan 1988

David M. Sheinbein, MD  
Associate Professor of Medicine (Dermatology) (primary appointment)  
BA University of CA Berkeley 1987  
MD Saint Louis University 1995

Mounir M Shenouda, UNKNOWN  
Assistant Professor of Medicine (primary appointment)  
UNKNOWN Alexandria University 1984

Adrian Shifren, MBBC, MS  
Associate Professor of Medicine (primary appointment)  
MBBC University of the Witwatersra 1996  
BS Washington Univ in St. Louis 2011  
BS University of the Witwatersra 1993

Haina Shin, PHD  
Assistant Professor of Medicine (primary appointment)  
BA Northwestern University 2004  
PHD University of Pennsylvania 2009
Bernard L Shore, MD  
Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1977  
BS Washington Univ in St. Louis 1972

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)  
BS University of Michigan 1978  
MD Wayne State University 1982

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 Med 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)  
BS St Marys University 2005  
PHD Mayo Graduate School 2011

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 Sineff, 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

Jasvindar Singh, MD  
Associate Professor of Medicine (primary appointment)  
MD Fiji School of Medicine 1988

Sudhir Man Singh  
Instructor in Medicine (primary appointment)

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, MS, PHD  
Assistant Professor of Medicine (primary appointment)  
BS University College Chichester 2001  
MS University College Chichester 2002  
PHD University of Aberdeen 2006

Raymond P Smith, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Virginia 1984  
BA Vassar College 1980

Timothy Robert Smith, MD  
Instructor in Clinical Medicine (primary appointment)  
BS University of Mississippi 1983  
MD University of Mississippi 1989

Timothy W. Smith, MD, PHD  
Professor of Medicine (primary appointment)  
BS Duke University 1986  
MD Duke University 1993  
PHD Oxford University 1989

Michael C Snyder  
Adjunct Instructor in Medicine (primary appointment)

Sanddeep 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)
MD Washington Univ in St. Louis 1980
BS Davidson College 1976

Hani Charles Soudah, MD, PHD
Associate Professor of Clinical Medicine (primary appointment)
MD School Not Listed 1983
PHD School Not Listed 1988

George Sourouillas, PHD
Assistant Professor of Medicine (primary appointment)
BA Ohio Wesleyan University 2004
PHD Baylor University 2010

William F Southworth, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1975
BA Washington Univ in St. Louis 1969

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)
MD University of Washington 2010
BS University of Washington 2001
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, M ED, PHD
Associate Professor of Medicine (primary appointment)
M ED University of Virginia 1987
BA Barnard College 1962
PHD University of Virginia 1990

Richard Ian Stein, PHD
Associate Professor of Medicine (primary appointment)
PHD Arizona State University 2000

Emily Steiner, MD
Instructor in Medicine (primary appointment)
MD University of Toledo 2013
BA Case Western Reserve Univ 2009

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
MA Washington Univ in St. Louis 2003
BA Washington Univ in St. Louis 1999

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. Stitziel, 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)
MD University of CA Los Angeles 1991
BA Washington Univ in St. Louis 1986

James Andrew Stokes, MD
Instructor in Clinical Medicine (primary appointment)
MD University of Missouri 1984
BA Stanford University 1976

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
PHD University of British Columbia 2006
BS Carleton University 2001

Xinming Su, MS, PHD
Instructor in Medicine (primary appointment)
BS Shanghxi Medical College 1996
MS Nanjing Agriculture Univ 2003
PHD Nanjing Agriculture Univ 2006

Xiong Su, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
PHD Washington Univ in St. Louis 2004
BS Beijing University 1998

Hamsa Subramanian, UNKNOWN
Instructor in Clinical Medicine (primary appointment)
UNKNOWN Thanjore Medical College 1990
BS St. Joseph's Convent - Trichy 1986

Hani Suleiman, MD
Assistant Professor of Medicine (primary appointment)
MD Regensburg University 2007

Kaharu Sumino, MD, PHD, M PA
Associate Professor of Medicine (primary appointment)
MD Yokohama City Univ Sch Med 1992
PHD Yokohama City Univ Sch Med 1999
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)
BS Chiang Mai University 1971
MD Chiang Mai University 1973

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, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD Medical Academy Lodz 1981

MS Medical Academy Lodz 1975

T

Lanesia K Tague, MD
Instructor in Medicine (primary appointment)
MD Northwestern University Med 2011
BS Northwestern University 2007

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)
MD University of the Philippines 1990
BS University of the Philippines 1985

David Tan, MD
Associate Professor of Emergency Medicine in Medicine
(primary appointment)
BS Union College Nebraska 1992
MD Loma Linda University 1997

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
MD Indiana State University 1995
BA Indiana State University 1991

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)
MD Washington Univ in St. Louis 1979
BA Washington Univ in St. Louis 1975

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, PHD, MD  
Professor of Medicine (primary appointment)  
PHD University of Illinois 1990  
BS University of Illinois 1982  
MD University of Illinois 1990

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, MD, M PH  
Instructor in Medicine (primary appointment)  
BS University of MO Columbia 2005  
MS University of MO Columbia 2006  
MD University of MO Columbia 2010  
M PH Washington Univ in St. Louis 2017

Erik P Thyssen, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BS University of Copenhagen 1980  
MD University of Copenhagen 1984

LinLin Tian, PHD  
Instructor in Emergency Medicine in Medicine (primary appointment)  
BS Hebei Medical University 2004  
PHD Beijing Institute of Radiation 2009

Lawrence S Tierney, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD University of Illinois 1988  
BS University of Illinois 1984

Jeffrey P Tillinghast, MD  
Associate Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1980  
BS State University of New York 1976

Garry S Tobin, MD  
Professor of Medicine (primary appointment)  
BS MO S&T (formerly UoFMO Rolla) 1981  
MD Washington Univ in St. Louis 1985

Douglas M Tollefsen, PHD, MD  
Professor of Medicine (primary appointment)  
PHD Washington Univ in St. Louis 1977  
BA Grinnell College 1970  
MD Washington Univ in St. Louis 1977

Valeria Tosti, MD  
Instructor in Medicine (primary appointment)  
MD University of Verona 2009

Robert R Townsend, MD, MS, PHD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
BS Centenary College 1972  
MD Tulane University 1976  
MS Tulane University 1976  
PHD Johns Hopkins University 1982

Elizabeth A Tracy, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Marquette University 1982  
MD Univ of Wisconsin Milwaukee 1986

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 Flance 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)  
M PH Duke University 1997  
BS University of Texas Austin 1993  
MD Duke University 1997

John W Turk, PHD, MD  
Professor of Medicine (primary appointment)
Alan A and Edith L Wolff Professor of Endocrinology
Professor of Pathology and Immunology
BA Washington Univ in St. Louis 1970
PHD Washington Univ in St. Louis 1976
MD Washington Univ in St. Louis 1976

Garima Gupta Tyagi, PHD, MASTERS
Instructor in Medicine (primary appointment)
BA Delhi University 2003
PHD Indian Institute of Science 2011
MASTERS Institute of Medical Science 2005

Robert C. Uchiyama, MD
Instructor in Clinical Medicine (primary appointment)
BS Stanford University 1976
MD Saint Louis University 1980

Mark C Udey, PHD, MD
Professor of Medicine (Dermatology) (primary appointment)
BS Univ of Wisconsin Madison 1975
PHD Washington Univ in St. Louis 1982
MD Washington Univ in St. Louis 1982

Fumihiko Urano, PHD, MD
Samuel E Schecter Professor of Medicine (primary appointment)
Professor of Pathology and Immunology
PHD Keio University 1998
MD Keio University 1994

Geoffrey L Uy, BA1, MD, MA
Associate Professor of Medicine (primary appointment)
BA Cornell University 1996
BA1 Cornell University 1996
MD Washington Univ in St. Louis 2001
MA Washington Univ in St. Louis 2001

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 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)
MD University of AL Birmingham 2005
PHD University of AL Birmingham 2005
BS University of Arizona 1995

Gil M Vardi, MD

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, MD, PHD
Professor of Medicine (primary appointment)
Professor of Pathology and Immunology
MD Washington Univ in St. Louis 1995
BA Princeton University 1987
PHD Washington Univ in St. Louis 1995

Stephanie Margaret Veloze, 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)
BS University of San Carlos 1978
MD CEBU Doctor's College of Med 1982

John L Visconti, MD
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD Univ of Health Sciences KC 1990
BS University of MO St Louis 1986

Benjamin Allen Voss, BA1, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 2003
BA1 Saint Louis University 2003
MD Creighton University 2007

Venkata Vosuri, MD
Instructor in Medicine (primary appointment)
MD Andhra University 2003
Stanley G Vriezelaar, MD
Instructor in Clinical Medicine (primary appointment)
BA Simpson College 1977
MD University of Iowa 1981

Harry Lee Wadsworth, MD
Instructor in Clinical Medicine (primary appointment)
BS Texas Tech University 1978
MD Texas Tech University 1983
Alex Handler Wagner, PHD, MS
Instructor in Medicine (primary appointment)
PHD University of Iowa 2014
BS University of Iowa 2008
MS University of Iowa 2012
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)
BA Indiana University Indianapolis 2017
MD Ohio State University 2012
David A Walls, MD
Instructor in Clinical Medicine (primary appointment)
BA Southern Illinois University 1979
MD Southern Illinois University 1982
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, PHD
Professor of Medicine (primary appointment)
Professor of Surgery (General Surgery)
MD Brown University 1998
PHD John Hopkins University 2009
Lawrence L. Wang, MD, PHD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 2001
PHD Washington Univ in St. Louis 2001
BA Harvard University 1993
Leyao Wang, M PH, PHD
Instructor in Medicine (primary appointment)
BA Nankai University 2017
M PH Johns Hopkins University 2017
PHD Fudan University 2017
Andrea Wang-Gillam, MD, BS1
Associate Professor of Medicine (primary appointment)
BS Ouachita Baptist University 1993
MD University of AR Little Rock 2001
BS1 Ouachita Baptist University 1993
Saiama Naheed Waqar, MD
Instructor in 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
PHD SUNY - Empire State College 2010
BS Wilkes University 2002
Corinna Hendrell Warren, MD
Instructor in Clinical Medicine (primary appointment)
BS Southern Ill Univ 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)
BS Univ of Wisconsin Madison 1998
MD Washington Univ in St. Louis 2005
Scott P Wasserstrom, MA, MD
Instructor in Clinical Medicine (primary appointment)
BS University of Illinois 1990
MA Washington Univ in St. Louis 1995
MD Washington Univ in St. Louis 1995
James Richards Watson, MD
Instructor in Medicine (Pending Dean's Approval) (primary appointment)
MD Virginia Comm University 2016
BS University of Virginia 2006

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)
BS Cornell University 1963
MD Cornell University 1967

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 Langenberg Distinguished Professor of Science and Practice of Medicine (primary appointment)
Professor of Cell Biology and Physiology
Professor of Pathology and Immunology
MD Stanford University 1992
BA Harvard University 1987

Carla Joy Weinheimer, MS
Associate Professor of Medicine (primary appointment)
BS University of Illinois 1984
MS Washington Univ in St. Louis 1997

Leonard B Weinstock, MD
Associate Professor of Clinical Medicine (primary appointment)
Assistant Professor of Clinical Surgery (General Surgery)
BA University of Vermont 1977
MD University of Rochester 1981

Steven Jay Weintraub, MS, MD
Associate Professor of Medicine (primary appointment)
MS University of Virginia 1981
MD University of Virginia 1985
BA State Univ of NY Binghampton 1978

Edmond Weisbart
Assistant Professor of Clinical Medicine (primary appointment)

Alan N Weiss, MD
Professor of Medicine (primary appointment)
MD Ohio State University 1966
BA Ohio State University 1963

Edward P Weiss, PHD, MS
Adjunct Research Assistant Professor of Medicine (primary appointment)
PHD University of Maryland 2003
MS Southern Illinois University 1992
BS Southern Illinois University 1989

Peter Douglas Weiss, MD
Instructor in Clinical Medicine (primary appointment)
BA Harvard University 1975
MD Case Western Reserve Univ 1980

John Sutton Welch, PHD, MD
Associate Professor of Medicine (primary appointment)
PHD University of CA San Diego 2002
MD San Diego St University 2004
BS Brigham Young University 1995

Lynn Ellis Welling, MD
Adjunct Associate Professor of Medicine (primary appointment)
MD UniformedServUofHealthSciences 1989

Pamela M. Wendi, DPT, MS
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
Assistant Professor of Orthopaedic Surgery
Assistant Professor of Physical Therapy
DPT Washington Univ in St. Louis 2007
MS Washington Univ in St. Louis 1993
BS North Park College 1991

Alvin S Wenneker, MD
Professor of Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1953
BA Washington Univ in St. Louis 1949

Jennifer Marie Wessels, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 2009

Peter Westervelt, PHD, MD
Professor of Medicine (primary appointment)
BA Colby College 1985
PHD Washington Univ in St. Louis 1992
MD Washington Univ in St. Louis 1992

James P White, PHD, BS1
Instructor in Medicine (primary appointment)
BS State Univ of NY at Albany 2005
PHD Baylor College of Medicine 2011
BS1 State Univ of NY at Albany 2011

Patrick White, MD
Associate Professor of Medicine (primary appointment)
MD Ohio State University 2007
Michael Peter Whyte, MD  
Professor of Medicine (primary appointment)  
Professor of Genetics  
Professor of Pediatrics  
BA New York University 1968  
MD State University of New York 1972

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  
MD University of Hawaii 1980  
BA Pomona College 1974

John F Wiedner, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Knox College 1982  
MD School Not Listed 1985

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

George A Williams III, MA, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MA Columbia University 1968  
MD Univ of Wisconsin Madison 1972  
BA University of Notre Dame 1967

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)  
BA Harvard University 1973  
MD Duke University 1977

Timothy John Williams, MD  
Instructor in Medicine (primary appointment)  
MD University of Cincinnati 2012  
BA McKendree College 2008

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  
BA Illinois State University 1975  
MD Southern Illinois University 1983

Chad Alan Witt, MD  
Associate Professor of Medicine (primary appointment)  
BS Texas Tech University 2001  
MD University of Texas Southwest 2005

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)  
MD Washington Univ in St. Louis 1960  
BA Hobart College 1956

Gerald Wolff, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1961  
BA Harvard University 1955

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)  
MD Washington Univ in St. Louis 1985  
BA Washington Univ in St. Louis 1981

Jeffrey M Wright, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
Assistant Professor of Clinical Pediatrics  
BS Vanderbilt University 1975  
MD Washington Univ in St. Louis 1979

Haojia Wu, PHD  
Instructor in Medicine (primary appointment)  
PHD University of Hong Kong 2014  
BS Sun Yat-Sen University 2007

Kangyun Wu, PHD  
Instructor in Medicine (Pending Dean's Approval) (primary appointment)  
PHD Beijing University 2007

Xiaobo Wu, MD  
Associate Professor of Medicine (primary appointment)  
MD Tongji University 1986

Matthew A Wyczalkowski, MME, PHD  
Instructor in Medicine (primary appointment)  
BS Pennsylvania State University 1996
MME University of CA Berkeley 2000
PHD Washington Univ in St. Louis 2009

X

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

Y

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)
BA Saint Louis University 2001
MD Saint Louis University 2005

Derek Yee, MD
Instructor in Medicine (primary appointment)
MD Rutgers University 2014

Po-Yin Yen, MS, PHD
Assistant Professor of Medicine (primary appointment)
MS Oregon Health Science Univ 2005
BS National Cheng Kung University 2001
PHD Columbia University 2010

Wayne M Yokoyama, MD
Sam and Audrey Loew Levin Professor of Medicine (Rheumatology) (primary appointment)
Professor of Pathology and Immunology
BA University of Rochester 1974
MD University of Hawai 1978

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, PhD, MD
Instructor in Medicine (primary appointment)
PHD Shimane Medical University 2006
MD Keio University 2000

Danicela Younce, MD
Instructor in Medicine (primary appointment)

MD University North Carolina 2014
BS University North Carolina 2008

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)
MPH Saint Louis University 2002
MD University of Illinois 1990
BS University of Illinois 1986

Z

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)
MD State Univ of NY Buffalo 1980
BS Clarkson University 1973

Kathleen W Zhang, MD
Assistant Professor of Medicine (primary appointment)
MD University of Pennsylvania 2013

Qiang Zhang, MCHEM, PHD
Instructor in Medicine (primary appointment)
MCHEM Xiamen University 1998
BS Xiamen University 1995
PHD University of CA Santa Barbara 2003

Yong Zhang, MS, MD, PHD
Assistant Professor of Medicine (primary appointment)
MS Sun Yat-Sen University 1983
MD Anhui Medical University 1978
PHD Albert Ludwig University 1999

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)
BS University of Michigan 2005
MD Wayne State University 2009

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)
MD Duke University 1980
BA University of Colorado Boulder 1972
PHD Duke University 1980

Courses

Courses include the following:

- M25 Medicine (p. 60)
- M27 Emergency Medicine (p. 67)

M25 Medicine


M25 Medicine 507 Practice of Medicine I

POM I is a large course that spans all three blocks of the first year. It is composed of three content areas: Clinical Skills, Patient, Physician, and Society Clinical Knowledge. Each of these three content areas has two or more sections, and each is run by a faculty section leader. POM I employs a variety of teaching techniques, instructors and venues. This includes lecture, small group discussions, panel sessions, one-on-one hospital interviews, standardized patient sessions, a patient home visit, and visits to both a primary care office and a city clinic. What are the educational goals of POM I? Students will learn to do the following: (1) Perform a complete history and physical examination with thoroughness, accuracy, sensitivity and compassion. (2) Communicate effectively, efficiently and compassionately with patients, families and other health professionals. (3) Describe and analyze the statistical methodology of clinical studies and apply the results to individuals and groups of patients. (4) Identify and investigate ethical, cultural, socioeconomic and political factors relevant to medical interactions. (5) Examine and analyze personal affairs and professional competencies, limitations and behaviors. How do we accomplish these goals? (1) Learning skills and techniques requires a cycle of steps: preparation, background reading, attempts at skill performance, analysis and reflection on performance, discussion of potential improvements and successive performance of the skill with advancement to a new level of expertise. (2) The focus is on learning skills. Students practice each skill (e.g., interviewing) in a variety of venues and situations of varying complexity. This course is for students to learn how to do things that they will use to take care of patients and families. (3) Students will work in multiple learning environments. (a) Academic environments: Small group sessions for discussion, small group practice sessions, peer learning, small group presentations, individual and group writing assignments, and reflections on experiences are the preferred learning locations. (b) Clinical environments: Inpatient units with faculty and WUSM IV mentors, standardized patient experiences with videotape review, physicians’ offices, patients’ homes with and without home care professionals, and a city clinic. Credit 198.5 units.

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 51 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 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 used in all fields of medicine, and the majority of the course work will be taught in small groups or through clinical experiences. 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 care 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
Credit 39 units.

practical sessions involving microscopy. The course utilizes lectures, clinical case discussions and common hematologic disorders and hematologic malignancies. The hematology pathophysiology course exposes students to M25 Medicine 625A Hematology and Oncology Credit 32 units.

that include discussion of clinical case presentations. Lectures are supplemented by group seminars and the impact of nutritional disorders on health and disease are also included. Lectures are supplemented by organ-specific clinical case discussions. Credit 31 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 and clinical characteristics of major dermatologic diseases. Major categories of clinical skin diseases and their most prominent constituents will be discussed, including papulosquamous diseases, blistering 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 pathophysiologic 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 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 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 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 811A 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 allows 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 prepare the student for 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 organic heart 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 E. A. 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 focus of 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 perioperative 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 analytic 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 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, 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 858 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 disease and travel patients. The clinic is the primary provider for HIV-infected patients, and students will learn the pathogenesis of HIV, become familiar with most antiretroviral medications, and have the opportunity to learn about opportunistic infections and their prophylaxis. They will also have the opportunity to see patients with bone and joint infections, endovascular infections, endemic and opportunistic mycoses, mycobacterial infections, sexually transmitted diseases, and many other infections. Patients seen will have a wide range of acute and chronic infections, and will include indigent and insured patients across a wide range of ages. The students will play an important role in the management of these patients and will present their assessments and plans to the supervising attending. They are expected to write clinic notes, read the literature about their patients, and participate in clinical conferences.

M25 Medicine 859 General Inpatient Infectious Diseases
This elective allows students to participate in the management of patients with a wide variety of infections in the inpatient setting. The elective is designed to teach students the fundamentals of evaluating clinical problems in infection and formulating plans for diagnosis and management. 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 medical residents and 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 to participate in clinical conferences. They attend teaching rounds, conferences, and lectures in infectious diseases. They see a wide variety of infectious diseases, including community-acquired acute and chronic infections, surgical infections, opportunistic infections in HIV-infected patients and other immunocompromised hosts and hospital-acquired infections. They also learn basic infection control practices as well as the appropriate use of antibiotics and antifungal and antiviral agents.

M25 Medicine 861 Oncology — Inpatient Consult Service
Medical Oncology is a complex subspecialty that is undergoing a rapid evolution as a result of new systemic treatment approaches that stem from biological insights into the nature of cancer. During the course of the elective, medical students will be able to interact with attending physicians and patients for bed side teaching and attend tumor boards and lectures focused on the care of patients with solid tumors. At the end of the rotation, the students will appreciate the principles of our approach to cancer patients and should have gained insights into the evaluation and management of patients with newly diagnosed malignancies. The role of surgery, radiation, and systemic treatment will also be an important theme, as well as the conduct of clinical research in this patient population. Students will also learn to care for hospitalized patients suffering from complications from their cancer or from toxicities due to treatments. Oncologic emergencies will be covered. Issues such as palliative care treatment options and end-of-life decision making will be explored as well.

M25 Medicine 867 Medical Intensive Care
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 team-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 BJH 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 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, radiation therapy, 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 prognosis, 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 overview 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. Students will be primarily responsible for the care of autologous and allogeneic BMT recipients and those patients being treated for a variety of hematologic malignancies such as AML, ALL, multiple myeloma, and non-Hodgkin’s lymphoma. In addition, they will be exposed to methods of stem cell harvest, cryopreservation, and immunophenotyping. This rotation plans to provide motivated students with an ideal mix of clinical medicine and basic science.
**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 consults 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 during the rest of the year will conform to university policy. 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 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 attending (who are also emergency medicine attendings) or who are interested in emergency medicine or medical toxicology should take this elective. 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 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.