Instruction in Medicine is provided during all four years of the medical curriculum, beginning with Practice of Medicine I (Medicine 507) in the first year. Teaching in the second year has two main objectives: the correlation of the basic sciences with clinical aspects of disease and training in the technical methods of physical examination and laboratory diagnosis. By the beginning of the third year, the student is ready for 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. In the final year, students may elect a sub-internship in general medicine and a series of elective courses in the medical specialties.

Website: [https://internalmedicine.wustl.edu](https://internalmedicine.wustl.edu)

### Research

For information about Primary Care Summer Preceptorships (p. 5), 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 development of novel antithrombotic approaches for use during acute myocardial infarction, stroke, and surgery where vascular injury is an underlying mechanism. Current studies are designed to define the efficacy of targeting antithrombotics to the surface of injured vascular cells and activated platelets on thrombus progression. One approach uses nanoparticles covered with epitopes to bind exposed receptors on thrombus and containing inhibitors of coagulation or platelet activation. Students will be expected to participate in experiments using animal models and will develop skills in experiment design, vascular physiology, clinical antithrombotic therapy, coagulation, histopathology and statistics.

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

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

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

The biology of cell-cell interactions and communication in bone via gap junctions and cell adhesion molecules. Function of connexins and cadherins in transcriptional control of osteoblast differentiation, osteoclastogenesis, and mechanotransduction. Modulation of mesenchymal lineage allocation and osteogenic differentiation by cadherins and beta-catenin signaling.

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

Genetic pathways for 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 U.S., 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.

**Thomas M. DeFer, MD**  
6604 Wohl Hospital  
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Special Projects in Medical Education. Through special arrangement with and approval by the course master, fourth-
year students will participate in special projects in medical education. 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, student experience, and/or administration of the Internal Medicine Clerkship or the Sub-Internship. Interested students should contact the course master via phone or email to discuss the proposed project. Those who are interested but would like guidance in designing a project should also contact the course master. This is open only to Washington University School of Medicine students.

Matthew Ellis, MB, BChir, PhD
Southwest Tower, Room 724
Phone: 314-747-3613

Genomics of Breast Cancer. The demonstration that the HER2 gene was amplified in breast cancer heralded the "genomic era" for this disease which ultimately led to major clinical advances for HER2-positive disease. The HER2 discovery was based on a search for cancer-specific anomalies in the cellular homologs of the acutely transforming retroviral oncogenes described in birds and mammals. However, HER2 gene amplification is now recognized to be only one of a large number of somatic mutations that occur in breast cancer. In the last 10 years, my clinical and laboratory efforts have focused on the development of a luminal (hormone receptor positive) breast cancer genome atlas to elucidate the complexity of the somatic changes in the breast cancer genome responsible for tumors resistant to current therapies. During these efforts we established a body of work on the practice of treating postmenopausal women with large palpable hormone receptor-rich tumors with four months of an aromatase inhibitor. The ultimate scientific goal of these efforts is to create specimen banks and biomarker data from thousands of patients to create sufficient statistical power to robustly link genomic screens to clinical outcomes so we can eventually focus our basic science efforts on the most lethal genetic events.

Over the last year, we have undertaken a comprehensive analysis of the tumor samples accrued, including "whole genome" gene expression chips, high resolution array comparative hybridization analysis and candidate gene sequencing. The gene lists we are currently generating, particularly those from the marriage of expression profiling and array comparative hybridization, suggest a host of new therapeutic targets are ready to be exploited. Functional characterization of these genes has begun, and this effort is a major focus in the laboratory. Elective students will focus on projects that relate to individual oncogene candidates. The scope of the project will be commensurate with elective time commitment but participation may include interpretation of genomic data, confirmatory studies on gene over-expression in cell lines and tissues, and functional studies using gene transfer, gene knock-down and pharmacological targeting to verify the identity of bona fide therapeutic targets for further investigation. Attendance at weekly lab meetings is expected.

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

Occupational medicine epidemiology and intervention research. My research involves the use of epidemiology methods to characterize associations between diseases and work-related exposures. I am 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 work site visits and intervention projects, as well as involvement with work site 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. The roles of phospholipases in mediating the metabolic syndrome and end-organ tissue damage.

Stacey House, MD, PhD
Phone: 314-362-8070
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or
Lisa Hayes
Phone: 314-362-4362
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Emergency Medicine Clinical Research. Emergency medicine clinical research involves the gamut of research designs ranging 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 analyzing 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 minimal risk. Students will be taught important rules regarding data acquisition and entry, particularly as it relates 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 ability for time commitment. Students will meet weekly with one of the course masters 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.

Keith A. Hruska, MD  
McDonnell Pediatric Research Building, 5th Floor  
Phone: 314-286-2772

Our laboratory's focus is on two aspects of kidney diseases: the progression of chronic kidney disease (CKD), and the syndrome of the CKD-mineral bone disorder (CKD-MBD). The latter is an important cause of mortality associated with CKD. We have discovered the pathogenesis of the CKD-MBD in early stage 2 CKD. We have ongoing studies of CKD stimulated vascular calcification in which we have discovered the mechanism of atherosclerotic plaque calcification stimulated by phosphorus. We are analyzing phosphorus as a cardiovascular risk factor, and new therapies for chronic kidney disease, the CKD-MBD, and vascular calcification.

Stuart A. Kornfeld, MD  
Clinical Sciences Research Building, 8th Floor  
Phone: 314-362-8803

Synthesis, processing and sorting of glycoproteins, including lysosomal enzymes. Intracellular protein trafficking.

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

For students with math, physics and engineering background. Cardiovascular biophysics research elective concentrates on physiologic modeling and comparison of model predictions to in vivo human data. Minimum of eight weeks of elective time.

Jack Ladenson, PhD  
Phone: 314-454-8436

Development of monoclonal and single-chain antibodies for use in research and in diagnostic testing.

Marc S. Levin, MD, and Deborah C. Rubin, MD  
922/924 Clinical Sciences Research Building  
Phone: 314-362-8933, 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 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 following 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 it relates 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 production of transgenic and knockout mouse models, in situ hybridization and immunohistochemistry.

Jeffrey D. Milbrandt, MD, PhD  
101 Biotechnology Center  
Phone: 314-362-4650

We have several ongoing projects in our laboratory that focus on peripheral neuropathy and neurodegenerative diseases. (1) Using high throughput screening methods to dissect the molecular program responsible for dismantling injured and/or unhealthy axons with the goal of identifying drugs to treat neurological disorders. (2) Using genetics and metabolomics to understand how metabolic deficits in glia lead to neuropathy and axon breakdown. (3) Developing new genetic tools for in vivo and in vitro assays aimed at characterizing the role of non-myelinating Schwann cells in acquired peripheral neuropathies such as diabetic neuropathy. (4) Implementing novel, high-throughput genome engineering technologies in induced pluripotent stem cell-derived neurons to perform functional genomic screens for pathways involved in axon regeneration.

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 GI 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: (1) understanding how inflammation leads to aberrant differentiation (metaplasia), which is a precursor for cancer; (2) elucidating how master regulatory transcription factors like Xbp1 and Mist1 coordinate the massive cytoskeletal and organelar expansion of specialized secretory cells as they differentiate from stem cells; and (3) understanding mechanisms regulating how differentiated cells can be reprogrammed into stem cells in GI organs like stomach and pancreas.
Stanley Misler, MD, PhD  
815 Yalem Building, Barnes-Jewish Hospital  
Phone: 314-454-7719

Stimulus-secretion coupling in endocrine cells (B-islet cells and adrenal chromaffin cells) examined using single-cell assays of secretion (capacitance measurements, amperometery).

Ginger E. Nicol, MD  
4412 Renard Building  
Phone: 314-362-5939

Clinical research concerning substrate (glucose and lipid) metabolism and the regulation of weight and body composition in persons with mental illness, particularly concerning the effect of psychotropic medications. This elective offers the student a broad exposure to clinical research protocols, including protocols in adults and children. Students will have an opportunity to focus on a particular project of interest.

Amit Noheria, MBBS, SM  
Northwest Tower, 13th Floor  
Phone: 314-249-7352

Clinical Outcomes in Patients with Cardiac Implantable Electronic Devices: Clinical research to evaluate outcomes in patients with cardiac implantable electronic devices (CIEDs).

1. Risk of stroke in patients with patent foramen ovale and CIEDs.
2. Predictors of hemodynamically unstable ventricular arrhythmias in patients with left ventricular assist devices (LVADs).

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

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

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

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

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

Gene Therapy for Lysosomal Storage Diseases. Our laboratory is interested in using gene therapy to treat 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 results in expression that is sufficient to reduce many of the clinical manifestations of these genetic diseases. Current studies focus upon assessing the therapeutic effect of gene therapy on sites that are affected in MPS such as the heart, aorta, bones and joints, and 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. The 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  
Email: pstein@wustl.edu

Clinical Significance of Heart Rate Variability and ECG-Derived Waveform Parameters Obtained from Continuous Ambulatory Monitoring. This elective affords 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 involving 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, developing methods to quantify ultradian heart rate variability patterns, to developing novel ECG analysis techniques, etc. 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 >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 the CHS and of 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 on the relationship of heart rate variability and changes in heart rate variability over time and 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 post-cardiac surgery and data from a study of treatment of depression in treatment-resistant depressed post-MI patients, a study of sickle cell patients, and one of heart rate variability and echo parameters in elderly African Americans. Currently we are also analyzing HRV in both premature infants as they mature and also 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 on about 20,000 subjects for whom continuous ECGs from Holter recordings, sleep studies, and ICU studies are available, and also some mouse data, the student will be able to choose a project leading 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.

John Turk, MD, PhD
Southwest Tower, 8th Floor
Phone: 314-362-8190

Phospholipid signaling mechanisms in pancreatic islets.
Experience in mass spectrometric analysis of complex lipids is available.

H.J. Wedner, MD
5002 Steinberg Pavilion, Barnes-Jewish Hospital, North Campus
Phone: 314-454-7937 or 314-454-7377

1. Asthma Care in the Inner City: Students will participate in ongoing studies of the delivery of asthma care to inner-city children and adults. The emphasis will be on direct contact between the asthmatic patients and the student, along with an asthma counselor.

2. Biology of Pollen and Fungal Allergens: Our laboratory has been characterizing the important allergenic proteins from molds and pollen. The allergens are identified using skin test sensitive individuals, and the proteins are isolated and characterized by a combination of physiochemical and molecular biological techniques. These studies should lead to better forms of allergy immunotherapy. Students will participate in the isolation, characterization and modification of major allergens from a number of molds including Stachybotrysatra, Epicoccum nigrum, and several pollens including those from white oak and Parthenium hysterophoros, a newly recognized allergen.

Primary Care Summer Preceptorships
Since 1996 the school has sponsored a primary care preceptorship program for students during the summer between their first and second years of classes. Students select a preceptor in internal medicine, pediatrics or family practice and spend up to eight weeks observing that physician's clinical practice. A stipend is provided to the student. Although many of the preceptors are in St. Louis, others, particularly alumni, are located in cities throughout the country.

Faculty
The Department of Medicine's general medicine teaching services at Barnes-Jewish Hospital and the Veterans Administration Medical Center (St. Louis) are under the following directors:

John P. Atkinson, MD
Samuel Grant Professor of Medicine
Chief, Division of Rheumatology

Melvin S. Blanchard, MD
Professor of Medicine
Chief, Division of Medical Education

Roberto Civitelli, MD
Sydney M. & Stella H. Schoenberg Professor of Medicine
Chief, Division of Bone and Mineral Diseases

Lynn A. Cornelius, MD
Winfred A. and Emma R. Showman Professor of Dermatology in Medicine
Chief, Division of Dermatology

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

Nicholas O. Davidson, MD
John E. and Adaline Simon Professor of Medicine
Chief, Division of Gastroenterology
John F. DiPersio, MD, PhD  
Virginia E. and Sam J. Golman Professor of Medicine  
Chief, Division of Oncology  

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

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

Daniel E. Goldberg, MD, PhD  
David M. and Paula L. Kipnis Distinguished Professor  
Co-Chief, Division of Infectious Diseases  

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

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

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

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

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

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

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

J. Evan Sadler, MD, PhD  
Chief, Division of Hematology  

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

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

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

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

A  

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Professor of Medicine (primary appointment)  
Sr Associate Dean for Education  
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MD Cornell University 1995  

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BS American University of Beirut 1970  

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Khaled M Abdel-Hamid  
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PHD Purdue University 1978  

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BS Holy Spirit Univ of Kaslik 2006  
MS University of Paris 2009  
MS University of Nice 2008  

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Professor of Cell Biology and Physiology  
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BS Indiana State University 2005

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MD University of Bombay 1995  
MS University of Detroit 1998

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MD University of Texas Southwest 2004  
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BS Northwestern University 1996

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BS Loyola College 1990  
MD1 Hahnemann University 1994  
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BA University of Kansas 1965  
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MS New York University 1980  
BS Georgetown University 1977  
MD New York University 1984

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MD Mayo Clinic 2001

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Assistant Professor of Molecular Microbiology  
MD Baylor College of Medicine 2011  
PHD Baylor College of Medicine 2009

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MD Washington Univ in St. Louis 1989  
MS Cornell University 1985  
BS University of Vermont 1981

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BS Haverford College 1975  
MD Temple University 1981

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MD University of Oregon 1980  
BA Kalamazoo College 1976

James William Banks, MD  
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MD Marshall University 1984

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PHD Washington Univ in St. Louis 1992

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MA Harvard University 1984
MD Harvard University 1990
BS University of Rhode Island 1982

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MD1 Brown University 1994
MD Dartmouth College 1992
BS Georgetown University 1990

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MS Mass Inst of Technology (MIT) 1979
BS Stanford University 1978

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MD University of Chicago 1967
BS University of Chicago 1962
PHD University of Chicago 1967

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Assistant Professor of Medicine (primary appointment)
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BS University of SAO Paulo 2003
PHD University of SAO Paulo 2008

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MD Baylor University 2004

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MD University of Pittsburgh 1968
BA Allegheny College 1964

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

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

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

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

Bruno Antonio Benitez Viloria, MD
Instructor in Medicine (primary appointment)
MD Universidad Nacional de Columb 2003

Michael Charles Bennett, MD
Instructor in Medicine (primary appointment)
MD Vanderbilt University 2010

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

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

Michael A Berk, MD
Professor of Clinical Medicine (primary appointment)
MD Indiana University Bloomington 1979
BA Northwestern University 1974

Carlos Bernal-Mizrachi, MD
Philip E & Carolyn E Cryer Professor of Medicine (primary appointment)
Associate Professor of Cell Biology and Physiology
MD Universidad del Valle Med Sch 1990
Keith A Bernstein, MD
Instructor in Clinical Medicine (primary appointment)
BA University of MO Kansas City 1987
MD University of Missouri 1987

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

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

Amit Indra Bery, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2014

Pavan Kumar Bhamidipati, MD
Instructor in Clinical Medicine (primary appointment)
MD Guntur Medical College 2007

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

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

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

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

Michael Biersmith, MD
Instructor in Medicine (primary appointment)
BS University of Notre Dame 2010
MD Eastern Virginia Med School 2014

Joseph John Billadello, MD
Associate Professor of Medicine (primary appointment)
BS State University of New York 1973
MD Georgetown University 1978

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

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

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

Stanley J Birge, MD
Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1963
BA Amherst College 1959

Thomas M Birkenmeier, MD
Assistant Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1978
MD Washington Univ in St. Louis 1982

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

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

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

Merilda O Blanco-Guzman, MD
Instructor in Medicine (primary appointment)
MD PUCMM FACULTAT DE CIENCIAS DEL 2004

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

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

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

Imre Bodo
Adjunct Instructor in Medicine (primary appointment)

Michael Bolger
Instructor in Clinical Medicine (primary appointment)

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

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

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

Steven H. Borson, MD
Instructor in Medicine (primary appointment)
MD Temple University 2014
BS Washington Univ in St. Louis 2010

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

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

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

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

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

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

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

Richard D. Brassington Jr, MD
Professor of Medicine (primary appointment)
BA Harvard University 1974
MD Duke University 1980

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

Daniel C Brennan, MD
Professor of Medicine (primary appointment)
Alan A and Edith L Wolff Distinguished Professor
MD University of Iowa 1985
BS Cornell College 1981

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

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

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

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
Instructor in Medicine (primary appointment)
Instructor in Pediatrics
BA Sweet Briar College 2003
PHD Washington Univ in St. Louis 2009

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

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

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

George John Broze Jr, MD  
Professor of Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
Professor of Pathology and Immunology  
BS University of Washington 1968  
MD University of Washington 1972  

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

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  
Instructor in Medicine (primary appointment)  
MD University of Texas Galveston 2012  
BS1 Southwestern University 2008  
BS Southwestern University 2008  

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

Anne Mobley Butler, PHD, MS  
Instructor in Medicine (primary appointment)  
Instructor in Surgery (Public Health Sciences)  
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)  
MD University of Texas Southwest 2001  
PHD University of Texas Southwest 2001  
BS University of Oklahoma 1993  

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  

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

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

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

Rebecca Goodwin Carey  
Adjunct Instructor in Medicine (primary appointment)  

Abigail L Carlson, MD  
Instructor in Medicine (primary appointment)  
BA Wellesley College 2005  
MD Johns Hopkins University 2010  

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

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

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

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

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, MD, BS1
Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1999
BS1 Yale University 1995
BS Yale University 1995

Roque Castillo
Assistant Professor of Medicine (primary appointment)

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

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

Murali M Chakinala, MD
Professor of Medicine (primary appointment)
MD Vanderbilt University 1994
BS Duke University 1990

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

Kari Terece Chambers, PHD
Instructor in Medicine (primary appointment)
PHD Saint Louis University 2007
BS Truman State University 2000

Philip Chan, MD
Instructor in Emergency Medicine in Medicine (Pending Dean's Approval) (primary appointment)
MD Northwestern University 2013

BA Northwestern University 2009

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

Monica Chang-Panesso, MD
Instructor in Medicine (primary appointment)
MD Texas Tech University 2009

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

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

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

Salman Chaudhry
Instructor in Medicine (primary appointment)

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
Associate Professor of Medicine (primary appointment)
MD National Taiwan University 1993
PHD Johns Hopkins University Med 1999

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

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
BS Fudan University 1991
PHD University of Utah 1998

Jacqueline W. Chen, MD, AB
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2014
AB Washington Univ in St. Louis 2010

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

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

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

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

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

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

Cynthia Cherfane, MD
Instructor in Medicine (primary appointment)
MD St. Joseph University, Beirut 2011

Mathew Amprayil Cherian, MBBS
Instructor in Medicine (primary appointment)
MBBS Christian Medical College 2000

Milan G Chheda, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Neurology
MD Albert Einstein College of Med 2002

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

Phillip Ruben Chisholm
Instructor in Clinical Medicine (primary appointment)

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

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

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

George P Christophi, MD, PHD
Instructor in Medicine (primary appointment)
MD Upstate Medical University 2011
PHD Upstate Medical University 2011

Philip Chu, MD
Instructor in Medicine (primary appointment)
MD Univ of Texas Med Sch Houston 2016
BS Rice University 2010

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

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
Instructor in Medicine (primary appointment)
PHD University of Pittsburgh 2011
MS Universita de Modena e Reggio 2005

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

Geoffrey Cislo, MD
Assistant Professor of Medicine (primary appointment)
MD University of Michigan 1996
BS University of Michigan 1993

Roberto Civitelli, MD
Sydney M and Stella H Schoenberg Professor of Medicine
Professor of Cell Biology and Physiology
Professor of Orthopaedic Surgery
MD University of Siena 1980
BS University of Siena 1980

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

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

William Edward Clutter, 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

Susan R Colbert-Threats, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD University of Illinois 1991
BS Northwestern University 1986

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

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

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

Sarah F Cole
Instructor in Clinical Medicine (primary appointment)

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

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

Arthur Hamilton Combs, MD
Associate Professor of Clinical Medicine (primary appointment)
MD New York Medical College 1975

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

Matthew Cooper, PHD
Instructor in Medicine (primary appointment)
PHD University of Surrey 2008
BS University of Surrey 2004

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

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

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)
MD Washington Univ in St. Louis 2004
BS Louisiana St University 2000

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

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

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

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

Charles Crecelius, PHD, MD
Assistant Professor of Clinical Medicine (primary appointment)
PHD Saint Louis University 1984
MD Saint Louis University 1984
Sharon Cresci, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Genetics  
BS State Univ of NY Binghampton 1982  
MD New York University 1986  

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

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

Paulina Cruz Bravo, MD  
Instructor in Medicine (primary appointment)  
MD Universidad Autonoma de Madrid 2009  

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

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

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

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

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

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

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

MD Harvard University 1951  
Erik D. Daniels, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Howard University 1985  
MD Howard University 1989  

John S Daniels, MD, MA  
Associate Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1970  
MD University of Arkansas 1974  
MA 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  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 1999  
BA Princeton University 1989  

Bhajan Shewaldas Dara, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Sindh Medical College 1987  

Lakshman Darsi, MBBS  
Assistant Professor of Medicine (primary appointment)  
MBBS Guntur Medical College 1985  

Koushik Kumar Das, MD  
Assistant Professor of Medicine (primary appointment)  
MD Columbia University 2016  

Sundeep Das, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University College of Med Sci 1986  

Carlos Colton Daughaday, MD  
Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 1971  
BA Harvard University 1967  

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

Thomas Edward Davis
Instructor in Clinical Medicine (primary appointment)

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

Thomas M De Fer, MD
Professor of Medicine (primary appointment)
MD University of Missouri 1989
BA University of Missouri 1985

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

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

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

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

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

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

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

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

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

Sunny Desai, UNKNOWN, MS
Instructor in Clinical Medicine (primary appointment)
UNKNOWN School Not Listed 1991
MS School Not Listed 1991

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
Assistant 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

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

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

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

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

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

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

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

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)
MD Washington Univ in St. Louis 1986
BA Northwestern University 1982

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

Gerald W. Dorn II, MD
Philip and Sima K Needleman Professor of Medicine (primary appointment)
MD Medical University of Sth Car 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, MD, MPH
Associate Professor of Medicine (primary appointment)
BA Augustana University College 1995
MD University of Illinois 1999
MPH Saint Louis University 2008

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

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BS Muhlenberg College 1998
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Assistant Dean for Education and Technology
PHD Washington Univ in St. Louis 2009
BS Mount Holyoke College 1997

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MD University of Missouri 1988

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MS University of Texas Austin 1980
BS University of Texas Austin 1978
MD Washington Univ in St. Louis 1983

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MD University of South Alabama 2002
MS Vanderbilt University 2010
BS Auburn University 1998

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MD Saint Louis University 2012
BS Harvard University 2007

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MD Medical College of Wisconsin 2008
BA Illinois Wesleyan University 2004
M PH1 University of North Carolina 2015

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MD Univ Texas Health Science Ctr 2009
BS University of Miami 2005

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BEE MO S&T (formerly UofMO Rolla) 1982

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BA University of Missouri 1986

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MD University of Missouri 1964
BA University of Missouri 1960

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BS Alcorn State University 1987
MD Howard University 1992

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PHD Columbia University 2003

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BS University of Illinois 1967
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UNKNOWN School Not Listed 1982
MS School Not Listed 1986

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BS University of the Philippines 1999
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BA Cornell University 1982
M PH University of Washington 1993
MD Washington Univ in St. Louis 1986

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BS University of Illinois 1994
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PHD University of Hamburg 1996
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BA School Not Listed 1970
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MD Saint Louis University 1985
BS Xavier University 1981
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MD Saint Louis University 1985
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MD University of Pittsburgh 2007
Raymond Bamvi Fohtung, MD
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BS Univ of Wisconsin Whitewater 2010
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BN Webster University 2003
MSN Saint Louis University 2004
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Victoria J Fraser, MD
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Head of the Department of Internal Medicine
MD University of MO Columbia 1983
BS William Woods College 1978
James Matthew Freer, MD
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MD University of MO Columbia 2002
BS Truman State University 1998
Deborah Frenchie, MD
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MD Washington Univ in St. Louis 1993
BA Washington Univ in St. Louis 1984
Jeffrey Friesen, MD
Instructor in Medicine (primary appointment)
MD University of CA Irvine 2014
Ashley Elizabeth Frith, MD
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BS Christian Brothers University 2004
MD University of AR Med Sciences 2008
Brian R. Froelke, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of Cincinnati 2002
Brian M Fuller, MD
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Degrees/Majors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Paul Fuller, MD</td>
<td>Associate Professor of Clinical Medicine (primary appointment)</td>
<td>MD University of Utah 1994, BA Brigham Young University 1990</td>
</tr>
<tr>
<td>Suzanne Furesz</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td></td>
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<tr>
<td>Gary Gaddis, MD, PHD</td>
<td>Professor of Emergency Medicine (Pending Executive Faculty Approval) (primary appointment)</td>
<td>MD Indiana University School of M 1986, PHD Indiana State University 1984</td>
</tr>
<tr>
<td>Brian F Gage, MD, MS</td>
<td>Professor of Medicine (primary appointment)</td>
<td>BS Stanford University 1984, MD University of California 1988, MS Stanford University 1995</td>
</tr>
<tr>
<td>Daniel Gaitan, MD</td>
<td>Associate Professor of Clinical Medicine (primary appointment)</td>
<td>BS University of AL Birmingham 1980, MD University of Mississippi 1986</td>
</tr>
<tr>
<td>Arthur H Gale, MD</td>
<td>Associate Professor of Clinical Medicine (primary appointment)</td>
<td>BS Washington Univ in St. Louis 1955, MD University of Missouri 1959</td>
</tr>
<tr>
<td>Jane M. Garbutt, MHS, MBCHB</td>
<td>Professor of Medicine (primary appointment)</td>
<td>MHS University of Toronto 1988, MBCHB Bristol University 1977</td>
</tr>
<tr>
<td>John A Garcia, MBA, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>MBA University of MO St Louis 1998, MD University of Illinois 1990, BA Carleton College 1985</td>
</tr>
<tr>
<td>Jacquelyn B Garrett, MD</td>
<td>Instructor in Clinical Medicine (Dermatology) (primary appointment)</td>
<td>MD Howard University 1985, BS Howard University 1983</td>
</tr>
<tr>
<td>Francisco J Garriga, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>MD Washington Univ in St. Louis 1970, BS University of Puerto Rico 1966</td>
</tr>
<tr>
<td>Felicitas Z Gatachalian, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>BS University of Santo Tomas 1970, MD University of Santo Tomas 1976</td>
</tr>
<tr>
<td>Joseph H Gatewood, MD</td>
<td>Instructor in Emergency Medicine in Medicine (primary appointment)</td>
<td>MD University of Chicago 1970, BA Swarthmore College 1966</td>
</tr>
<tr>
<td>William M Gee, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>BA Cornell College 1977, MD Washington Univ in St. Louis 1981</td>
</tr>
<tr>
<td>Richard A Geisman, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>BS Saint Louis University 1979, MD Tulane University 1983</td>
</tr>
<tr>
<td>Edward M Geltman, MD</td>
<td>Professor of Medicine (primary appointment)</td>
<td>Assistant Professor of Radiology, MS New York University 1971, BS Mass Inst of Technology (MIT) 1967</td>
</tr>
<tr>
<td>Ige A George, MBBS</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>MBBS Christian Medical College 1998</td>
</tr>
<tr>
<td>Mate Gergely, MD</td>
<td>Instructor in Medicine (primary appointment)</td>
<td>BS University of Texas Austin 2010, MD Texas A&amp;M University 2014</td>
</tr>
<tr>
<td>Armin Ghobadi, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>MD Iran Univ of Medical Sciences 2001</td>
</tr>
<tr>
<td>Matthew John Gibfried, MD</td>
<td>Instructor in Clinical Medicine (primary appointment)</td>
<td>MD University of MO Columbia 2003</td>
</tr>
<tr>
<td>Stephen James Giddings, PHD</td>
<td>Associate Professor of Medicine (primary appointment)</td>
<td>BS Univ of Wisconsin Oshkosh 1979, PHD Iowa State University 1985</td>
</tr>
<tr>
<td>Thomas J Girard, PHD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>BS Univ of Wisconsin Oshkosh 1979, PHD Iowa State University 1985</td>
</tr>
<tr>
<td>Margo Renee Girardi, MD</td>
<td>Assistant Professor of Medicine (primary appointment)</td>
<td>MD Saint Louis University 2005, BS University of Illinois 2001</td>
</tr>
<tr>
<td>Gardar T Gislason</td>
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</tr>
</tbody>
</table>
Adjunct Instructor in Medicine (primary appointment)

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

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

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MD University of Iowa 1989
BS University of Illinois 1985

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Professor of Medicine (primary appointment)
MD University of Maryland 1977
BA Harvard University 1973

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

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

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

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MD University of Florida 2013

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MD Washington Univ in St. Louis 1964

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MD University of Puerto Rico 2008
BS University of Puerto Rico 2004

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MD Duke University 1974
BS University of Nebraska 1970

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MBA Washington Univ in St. Louis 1996
BA Saint Louis University 1981
MD Southern Illinois University 1984

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Professor of Medicine (primary appointment)
MD University of Madras 1986

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

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MD University of MO Columbia 1975

Jonathan M Green, MD
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Associate Dean for Human Studies
Professor of Pathology and Immunology
BS University of Michigan 1982
MD Wayne State University 1986

Aaron Greenspan
Instructor in Clinical Medicine (primary appointment)

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Assistant Professor of Clinical Medicine (primary appointment)
BA University of Vermont 1982
MD University of Vermont 1986

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Instructor in Medicine (primary appointment)
MD University of Alabama 2010

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MD Norfolk General Hospital 1977
M PH Harvard University 2004

Malachi Griffith, BS1, PHD
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Assistant Professor of Genetics
BS University of Winnipeg 2002
BS1 University of Winnipeg 2002
PHD University of British Columbia 2010

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

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MD Washington Univ in St. Louis 1994
BS University of Illinois 1990

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MD University of Illinois 1988
BA Illinois Wesleyan University 1984

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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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BS School Not Listed 1975
MD School Not Listed 1982

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DOST Oklahoma St University 1988
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MD Catholic University 1989
DIP School Not Listed 1982

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MBA Saint Louis University 2012
MD University of MO Columbia 2002
BA Columbia University 1997

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Instructor in Medicine (primary appointment)

MD Kathmandu University 2007
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MD Case Western Reserve Univ 2000
M PH Harvard University 2006
BS Brown University 1996

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Professor of Medicine (primary appointment)
MD University of Calicut 1990
MBBS University of Calicut 1985

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BA Southern Methodist University 1992
MD University of Texas Southwest 1997
MD1 University of Texas Southwest 1997
BA1 Southern Methodist University 1992

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MBBS RNT Medical College 1968
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MS Missouri College 2010  
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PHD Washington Univ in St. Louis 2002  
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PHD State University of New York 2011

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MD University of Louisville 1961  
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PHD University of San Francisco 2006

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MD University of Minnesota 1998  
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MD Saint Louis University 1991  
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M ENG Univ of Southern Mississippi 1993  
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MD Universidad Nacional de Columb 2007

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MD University of Utah 1978  
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MD Washington Univ in St. Louis 1999  
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Sandra S Hoffmann, MD  
Instructor in Clinical Medicine (primary appointment)  
BA University of Kansas 1972  
MD University of Kansas 1976

Melissa Louise Hollie  
Instructor in Clinical Medicine (primary appointment)

Christopher Vincent Holthaus, MD  
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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  
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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)  
MD Washington Univ in St. Louis 1982  
BA Clark University 1975

Ian Kerst Hornstra, PHD, MD  
Associate Professor of Medicine (Dermatology) (primary appointment)

Jianghui Hou, MS, PHD  
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MS Nanjing University 1999  
MS Edinburgh University 2000  
PHD Edinburgh University 2003
BS Williams College 2003
BS1 Williams College 2003
MD New York University 2008

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

Wei-Wei Huang
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MS Beijing Medical University 2000
PHD Univ of Texas Med Sch Houston 2007

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

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

Laura Huff, MD
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MD U of Colorado Health Sci Ctr 2011
BS Colorado St University 2006

Jing Hughes, MD
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BS Stanford University 2002
MD University of Pennsylvania 2009

Michael Evan Hughes, PHD, MS
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BS Stanford University 2002
PHD Harvard University 2007
MS Stanford University 2002

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

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

Mark Albert Hurt, MD
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MD University of Missouri 1982
BS Southeast Missouri St Univers 1978

Richard G. Ihnat, MD
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MD Yale University 1991
BS Rutgers University 1987

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MD University of MO Columbia 1976

Warren Isakow, MD
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MD University of the Witwatersra 1998

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

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

Myron H Jacobs, MD
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BA Vanderbilt University 1965
MD Louisiana St Univ Hlth Sci 1969

Steven Jacobson, MD
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MD Saint Louis University 1985
BS Rhodes College 1981

Meagan A. Jacoby, MD, PHD
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MD Washington Univ in St. Louis 2005
BS Johns Hopkins University 1996
PHD Washington Univ in St. Louis 2005

Poonam Jain, MD, JD
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MD University of Iowa 1988
JD Saint Louis University 2004
BS University of Iowa 1984

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Associate Professor of Pathology and Immunology  
MD Northwestern University 1999  
BA University of California 1990  
PHD Northwestern University 1998  

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

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MD Damascus U. Medical School 1993  

Sina Jasim, MBCHB, M PH  
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MBCHB University of Baghdad 2001  
M PH Saint Louis University 2008  

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

Anuja Java, MD  
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MD Government Medical College 2002  

Ali Javaheri, MD, PHD  
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BA University of Chicago 2000  
MD University of Chicago 2008  
PHD University of Chicago 2006  
BS University of Chicago 2000  

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

Christopher M. Jenkins, PHD  
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BS Michigan State University 1991  
PHD Vanderbilt University 1997  

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

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  

Eric Keith Johnson, MD  

Instructor in Medicine (primary appointment)  
MD Univ of Wisconsin Madison 1999  

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

William F Johnson  
Adjunct Instructor in Medicine (primary appointment)  

Christopher Jones, MD  
Instructor in Medicine (primary appointment)  
MD University of Kansas Medical 2014  

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

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

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

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

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

Brad S Kahl, MD  
Professor of Medicine (primary appointment)  
MD Tufts University 1994  
BS University of Wisconsin-Madiso 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  
Assistant Professor of Medicine (primary appointment)  
MD University of Illinois 1998  
BA University of California 1990  
PHD Northwestern University 1998  

William F Johnson  
Adjunct Instructor in Medicine (primary appointment)  

Christopher Jones, MD  
Instructor in Medicine (primary appointment)  
MD University of Kansas Medical 2014  

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

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

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

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

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

K
MD University of Pennsylvania 1994

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BA University of MO Kansas City 2006
MD University of MO Kansas City 2006

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MS2 Ohio State University 1997
MD Case Western Reserve Univ 2001
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BA Washington Univ in St. Louis 1951
MD Washington Univ in St. Louis 1952

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Professor of Medicine (primary appointment)
MD Tufts University 1994
BS Tufts University 1990

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

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MD Saint Louis University 1991
BA Brown University 1986

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PHD Washington St University 2006
MD Washington Univ in St. Louis 2006
BS Emory University 1998

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MD University of Chicago 2005
PHD University of Chicago 2003

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PHD Saint Louis University 1985
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MD Kaunas University of Medicine 1998

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MD University of Illinois 1982

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MD Temple University 1984
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BS Drake University 2006
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MD University of Arkansas 2001
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MEE Princeton University 1980
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BS Univ of IL -Urbana-Champaign 2005
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PHD University of New Mexico 2007
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L

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M PHIL Columbia University 2005
PHD Columbia University 2007
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MS Osmania Medical College 1971

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PHD University of Notre Dame 2014
MS1 University of Notre Dame 2012

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MD Drexel University 2004
BA Colgate University 1995
MS John Hopkins University 2000

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BA Northwestern University 2004
MD University of Illinois Chicago 2009

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PHD University of Georgia 1981
MS University of Georgia 1978
BA Colby College 1975
MD Northwestern University 1992

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MD Yale University 2007
BS Yale University 2001

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Assistant Professor of Medicine (primary appointment)
MD Medical College of Wisconsin 2005

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

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MD Wayne State University 1971
BS Wayne State University 1967

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Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
PHD Washington Univ in St. Louis 2008
MD Washington Univ in St. Louis 2008
BS University of Rochester 2001

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Professor of Medicine (primary appointment)
BA Temple University 1972
MD Temple University 1976

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Associate Professor of Medicine (primary appointment)
MD Washington Univ in St. Louis 1997
MS University of London 2004
BS Rose Hulman Institute 1992
Caroline Martz Lee, PHD, MD  
Instructor in Medicine (primary appointment)  
PHD University of North Carolina 2009  
BS Knox College 2003  
MD University of North Carolina 2011  

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

Kim Lynette Lee, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1983  
BS Washington Univ in St. Louis 1979  

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

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

Deborah J. Lenschow, MD1, PHD, PHD1, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Pathology and Immunology  
BA Wittenberg University 1990  
MD1 University of Chicago 1998  
PHD University of Chicago 1995  
PHD1 University of Chicago 1995  
MD University of Chicago 1998  

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

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

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

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

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)  
PHD Chinese Academy of Med Science 1999  

Tingting Li, MD  
Associate Professor of Medicine (primary appointment)  
MD State Univ of NY Buffalo 1999  

Min Lian, M PH, MD, PHD  
Assistant Professor of Medicine (primary appointment)  
M PH Fudan University 1999  
MD Southeast U Medical School 1995  
PHD Texas Tech University 2006  

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

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  

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

Daniel C Link, MD  
Alan A and Edith L Wolff Distinguished Professor of Medicine (primary appointment)  
Professor of Pathology and Immunology  
MD Univ of Wisconsin Milwaukee 1985  
BA Univ of Wisconsin Milwaukee 1981
Michael Brayer Lippmann, MD
Professor of Medicine (primary appointment)
BA State University of New York 1973
MD State University of New York 1977

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MD National Autonomous U of Mex 1980

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BA University of MO St Louis 1971

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

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Instructor in Medicine (primary appointment)
MD Shanghai Medical University 1984
MS Shanghai Medical University 1987

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Instructor in Medicine (primary appointment)
MS Southeast Missouri St Univers 1999
PHD Washington Univ in St. Louis 2005
BS School Not Listed 1986

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

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MD University of MO Columbia 2010

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Assistant Professor of Medicine (primary appointment)
PHD University of Michigan 2007
MS Wayne State University 1996
BS University of Michigan 1993

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BA Webster University 1976
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M PH California State University 1999
BS University of California 1995

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Professor of Medicine (primary appointment)
MD McGill University 1983
MS University of Toronto 1979
BS University of Western Ontario 1977

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BA University of MO Kansas City 1985
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MBA Washington Univ in St. Louis 1997
BA Hendrix College 1981
MD University of Arkansas 1985

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MD Washington Univ in St. Louis 1958
BA Clark University 1954

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Professor Emeritus of Psychiatry
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MD University of MO Kansas City 2008

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BA Indiana University Bloomington 1982
MD University of Iowa 1999
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Instructor in Clinical Medicine (primary appointment)

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Professor of Medicine (primary appointment)
BA Saint Louis University 1983
MD Georgetown University 1989
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Associate Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1972  
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BS Washington Univ in St. Louis 1952  
MD Washington Univ in St. Louis 1956  
BA Washington Univ in St. Louis 1952

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MD Beijing Medical University 1990  
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BA Qufu Normal University 1993  
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MD Texas A&M University 2014

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MD Case Western Reserve Univ 2013  
BA Washington Univ in St. Louis 2009

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MD Albert Einstein College of Med 2008  
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BA Rice University 1993  
MS Harvard University 2007

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BS Washington Univ in St. Louis 1998

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PHD Saint Louis University 2001  
BA Cornell College 1995  
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BA Ithaca College 1998  
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Assistant Professor of Cell Biology and Physiology  
PHD Simon Fraser University 2007  
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Professor of Cell Biology and Physiology  
PHD Washington Univ in St. Louis 1994  
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BS Xavier University 1993
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MD New York Medical College 2001

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Assistant Professor of Medicine (primary appointment)
MD Oregon Health Science Univers 1998
BS Portland St University 1994
BA Duke University 1991

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

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)
MD University of MO Columbia 2008
BS Fairfield University 2004

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

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

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

Gerald Medoff, MD
Professor Emeritus of Medicine (primary appointment)
MD Washington Univ in St. Louis 1962
BA School Not Listed 1958

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

Anibal G Melo, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 1991

Gary Jay Meltz, MD
Instructor in Clinical Medicine (primary appointment)
BA University of Missouri 1972
MD University of Miami 1977

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

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

Claire Elizabeth Meyer, MD
Assistant Professor of Medicine (primary appointment)
BS Roanoke College 2004
MD Washington Univ in St. Louis 2009

Rabya 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)
MD Duke University 1982
BS University of Missouri 1978

William Samuel Micka, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1999
MD Saint Louis University 2003
Brent William Miller, MD
Professor of Medicine (primary appointment)
BS Stanford University 1986
MD Washington Univ in St. Louis 1990

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)
DOST Midwestern University 2000
BS Carleton College 1996

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

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

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

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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

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

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

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

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

C. Scott Molden, MD
Instructor in Clinical Medicine (primary appointment)
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
BS University of Puerto Rico 1982
MD University of Puerto Rico 1985

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

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

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

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

Timothy D Moore
Instructor in Clinical Medicine (primary appointment)

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

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

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

Hawnwan P Moy, MD
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MD Loyola University Chicago 2008
BS Benedictine University 2004

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

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

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Instructor in Emergency Medicine in Medicine (Pending Dean’s Approval)
PHD Univ of Wisconsin Madison 2011
MD University of Wisconsin-Madison 2013

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

Faquir Muhammad
Instructor in Clinical Medicine (primary appointment)

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

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

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

Michael E Mullins, MD

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MD Hahnemann University 1987

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MS University of Missouri 1984
BS University of Missouri 1978
PHD Saint Louis University 1992

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MD Vanderbilt University 2004
BS College of William and Mary 1999

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Instructor in Clinical Medicine (primary appointment)

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

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PHD Stanford University 1989
MA Stanford University 1981
BS University of California 1980

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BS University of CA Berkeley 1999  
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BA New York University 1969  
MD School Not Listed 1973

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UNKNOWN Govt College Sarhodha 1968  
UNKNOWN1 Nishtar Medical College Multa 1974

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MBBCH University College Cork 2006

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Instructor in Clinical Medicine (primary appointment)  
BA University of Kansas 1972  
MD School Not Listed 1977

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

Andrew John Odden, MD  
Assistant Professor of Medicine (primary appointment)  
MD University of Minnesota 2007  
BS Gustavus Adolphus College 2003

Devin Christopher Odom, MD  
Assistant Professor of Medicine (primary appointment)  
MD Wake Forest University 2010

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

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

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

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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)  
MD University of MO Columbia 2008  
BS Saint Louis University 2004

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

Matthew J Orland, MD  
Associate Professor of Clinical Medicine (primary appointment)  
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)  
BS University of Utah 1966  
MD University of Utah 1970

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Deborah L Parks, MD
Professor of Medicine (primary appointment)
MD University of Louisville 1982
BA Washington Univ in St. Louis 1978

Dilip H. Patel
Instructor in Clinical Medicine (primary appointment)

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)
BA University of Michigan 2000
M PH Johns Hopkins University 2012
MD Wayne State University 2004

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)
PHD University of Illinois 1980
BS Southern Illinois University 1974

Philip Richard Orrin Payne, MA, PHD
Professor of Medicine (primary appointment)
Professor of Computer Science and Engineering
Robert J Terry Professor
MA Columbia University 2000
PHD Columbia University 2006
BA University of CA San Diego 1999

Chelsea Elizabeth Pearson, MD
Instructor in Clinical Medicine (primary appointment)
MD Washington Univ in St. Louis 2013

Susan E Pearson, DOST, BFA, MS, PHD
Instructor in Clinical Medicine (primary appointment)
DOST School Not Listed 1992
BFA Southern Methodist University 1977
MS Central Michigan University 1984
PHD University of Southwestern Lo 1986

Katrina Sophia Pedersen, MS, MD
Assistant Professor of Medicine (primary appointment)
BA Grinnell College 2003
MS University of Iowa 2005

MD Southern Illinois University 2009
Marybeth Pereira, MD
Associate Professor of Clinical Medicine (primary appointment)
MD University of California 1978
BA Swarthmore College 1973

Julio E Perez, MD
Professor of Medicine (primary appointment)
MD University of Puerto Rico 1973
BS University of Puerto Rico 1970

Laurence F Perstein, MD
Instructor in Clinical Medicine (primary appointment)
BS Tulane University 1967
MD University of Louisville 1974

Linda R Peterson, MD
Professor of Medicine (primary appointment)
Professor of Radiology
MD Washington Univ in St. Louis 1990
BS Georgetown University 1986

Lindsay L Peterson, MD
Assistant Professor of Medicine (primary appointment)
MD Tulane University 2006
BS Tulane University 2000

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 Lawrence University 2003
PHD Emory University 2010

Christine T Pham, MD
Professor of Medicine (primary appointment)
Professor of Pathology and Immunology
BS University of Florida 1981
MD University of Florida 1985

David Tuan Pham, MD
Instructor in Medicine (primary appointment)
BS University of Oklahoma 2010
MD University of Oklahoma 2014

Jennifer A Philips, MD, PHD, PHD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Molecular Microbiology
MD University of CA San Francisco 2000
PHD University of CA San Francisco 2015
PHD University of CA San Francisco 1998
BA Columbia University 1991

William J Phillips, MD
Assistant Professor of Clinical Medicine (primary appointment)
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)  
MD Washington Univ in St. Louis 1988  
BA Washington Univ in St. Louis 1983  

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  

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  

Katherine P Ponder, MD  
Professor of Medicine (primary appointment)  
Professor of Biochemistry and Molecular Biophysics  
BS Stanford University 1979  
MD Washington Univ in St. Louis 1983  

Makhawadee Pongruangporn, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Chiang Mai University 2001  

Harish Ponnuru, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Missouri 1995  
BA University of MO Kansas City 1995  

William J Popovic, MD  
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
MD Saint Louis University 1971  

BS John Carroll University 1967  

Lee S Portnoff, 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, PHD  
Assistant Professor of Medicine (primary appointment)  
PHD Georgia Tech 1993  
BS Union University 1988  

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)  
MD University of Texas Southwest 1988  
BS Southern Methodist University 1984  

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  
Instructor in Medicine (primary appointment)  
MD Michigan State University 2017  

David J Prelutsky, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Northwestern University 1975  
MD Saint Louis University 1979  

Niall Thomas Prendergast, MD  
Instructor in Medicine (primary appointment)  
MD Washington Univ in St. Louis 2014  
BS Harvard University 2007
Rachel M. Presti, MD, PHD  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 2001  
PHD Washington Univ in St. Louis 2001  
BA Scripps College 1990

Aaron J Pugh  
Adjunct Instructor in Medicine (primary appointment)

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

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)  
BS University of Illinois 1985  
MD University of Illinois 1989

Abdul H Qureshi, MS  
Instructor in Clinical Medicine (primary appointment)  
MS School Not Listed 1992

Radha Devi Radhakrishna Pillai, MBBS  
Assistant Professor of Medicine (primary appointment)  
MBBS Jawaharial Inst of Med Educ 2006

Srinivasan Raghavan  
Instructor in Clinical Medicine (primary appointment)

Prabha Ranganathan, MBBS  
Professor of Medicine (primary appointment)  
MBBS Kilpauk Medical College 1990

Srinivasan Dubagunta Rao  
Adjunct Instructor in Medicine (primary appointment)

U. Ramakrishna Rao, MS, PHD  
Associate Professor of Medicine (primary appointment)  
MS Andhra University 1977  
BS Mysore University 1975  
PHD University of Bombay 1987

Antonella Luisa Rastelli, MD  
Associate Professor of Medicine (primary appointment)  
Associate Professor of Surgery (General Surgery)  
MD University of Verona 1991  
BA University of Verona 1984

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  
MD Washington Univ in St. Louis 1967  
BA Rice University 1963

Felicia Ratnaraj, MD  
Instructor in Medicine (primary appointment)  
MD University of MO Kansas City 2014  
BA University of MO Kansas City 2012

Lee Ratner, PHD, MA, MD  
Professor of Medicine (primary appointment)  
Alan A and Edith L Wolff Professor of Oncology  
Professor of Molecular Microbiology  
BA Harvard University 1973  
PHD Yale University 1979  
MA Harvard University 1973  
MD 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)  
BA Tufts University 1980  
MD McGill University 1984

Saadia Taufiq Raza, MD  
Assistant Professor of Clinical Medicine (Dermatology) (primary appointment)  
MD Emory University 1997  
BA Emory University 1993

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

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

Arhaanth D Reddy
Instructor in Clinical Medicine (primary appointment)

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Katherine Marie Reeder, PHD
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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
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MD Tulane University 1966
BS Tulane University 1962

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

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PHD Saint Louis University 1991
UNKNOWN Saint Louis University 1986
MD Saint Louis University 1993

Samuel W Reinhardt, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2014
BS Yale University 2010

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

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

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Assistant Professor of Medicine (primary appointment)
Assistant Professor of Cell Biology and Physiology
BS University of Cordoba 1987
MS University of Cordoba 1989
PHD University of Cordoba 1999

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

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Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
MS Mount Sinai School of Medicine 2000
BS Lehigh University 1995
MD Mount Sinai School of Medicine 2004
PHD Mount Sinai School of Medicine 2002

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Instructor in Emergency Medicine in Medicine (primary appointment)
MD University of MO Columbia 2008
BA University of MO Columbia 2004

Michael P Retting, 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 1974

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

Nancy Ridenour
Adjunct Professor of Medicine (primary appointment)

Terrence E Riehl, PHD, MS
Associate Professor of Medicine (primary appointment)
PHD Ohio University 1981
MS Rutgers University 1976
BS Rutgers University 1974

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

Robert D Rifkin, MD
Professor of Medicine (primary appointment)
BS Mass Inst of Technology (MIT) 1968
MD New York University 1972

Caron E Rigden, BFA, MD
Assistant Professor of Medicine (primary appointment)
BFA Tulane University 1996
MD Tulane University 2000

Tracy Marie Riordan, MD
Instructor in Clinical Medicine (primary appointment)
BA Saint Louis University 1996
MD Saint Louis University 2000

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Assistant Professor of Medicine (primary appointment)
Assistant Professor of Genetics
BS Western Kentucky University 2004
PHD Johns Hopkins University 2009

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

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Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)
MD National Autonomous U of Mex 1980

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Instructor in Clinical Medicine (primary appointment)
MD Tehran University 1988

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MD Washington Univ in St. Louis 1965

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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)
BS Johns Hopkins University 1979
PHD Univ of Wisconsin Madison 1985

Ernesto J Romo, MD
Instructor in Emergency Medicine in Medicine (Pending Dean's Approval) (primary appointment)
MD University of Illinois Chicago 2011
BS University of Dayton 2007

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Professor of Pediatrics
Tracey C and William J Marshall Professor of Medicine
BS Columbia University 1985
MD Mount Sinai School of Medicine 1989

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

Ilana Shaina Rosman, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)

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BA Brown University 2000
MD Washington Univ in St. Louis 2008

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Instructor in Medicine (primary appointment)
MD East Tennessee State Universi 2013

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)
MD University of Cincinnati 1997
BS University of Cincinnati 1993

Deborah C Rubin, MD
Professor of Medicine (primary appointment)
Professor of Developmental Biology
BS Mass Inst of Technology (MIT) 1977
MD Albert Einstein College of Med 1981

Myra L. Rubio, MD
Associate Professor of Medicine (primary appointment)
BA Washington Univ in St. Louis 1994
MD Indiana University Bloomington 1998

Lela Ruck, MD
Instructor in Medicine (primary appointment)
MD Texas Tech University 2014

Paetra Ruddy, MD
Assistant Professor of Medicine (Dermatology) (primary appointment)
MD University of Iowa 2011
BA Bard College 1997

Peter G Ruminski, MS
Instructor in Medicine (primary appointment)
BS Saint Louis University 1977
BS Saint Louis University 1975
MS Washington Univ in St. Louis 1992

Emily Lindholm Rumora, MD
Instructor in Medicine (primary appointment)
MD Dartmouth College 2013

Brent E Ruoff, MD
Associate Professor of Emergency Medicine in Medicine (primary appointment)
BS Graceland College 1977
Michael B Rusche  
Adjunct Instructor in Medicine (primary appointment)

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

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

Joseph F Ruwitch Jr, MD  
Professor of Clinical Medicine (primary appointment)  
MD Washington Univ in St. Louis 1966

Raya Saba, MD  
Instructor in Medicine (primary appointment)  
MD Damascus University 2011

Molly Sachdev, M PH, MD  
Assistant Professor of Medicine (primary appointment)  
M PH University North Carolina 2000  
MD Duke University 2001

Justin Sadhu, MD  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 2007

J. Evan Sadler, PHD, MD  
Professor of Medicine (primary appointment)  
Professor of Biochemistry and Molecular Biophysics  
PHD Duke University 1978  
MD Duke University 1979

Mehrdad Saeed-Vafa, MD  
Instructor in Clinical Medicine (primary appointment)  
MD School Not Listed 2000

Joshua Michael Saef, MD  
Instructor in Medicine (primary appointment)  
MD Washington Univ in St. Louis 2014

Jose Bernardo Saenz, PHD, MD  
Instructor in Medicine (primary appointment)  
PHD Washington Univ in St. Louis 2009  
MD Washington Univ in St. Louis 2011  
BA Cornell University 2003  
BA Cornell University 2003

Sonny Satnam Saggar  
Instructor in Clinical Medicine (primary appointment)  
Sana Saif Ur Rehman, MD  
Instructor in Medicine (primary appointment)  
MD King Edward Medical College 2007

Kaori A. Sakurai  
Instructor in Clinical Medicine (primary appointment)

Christine Joan Salter, DC, MD  
Instructor in Clinical Medicine (primary appointment)  
BS Reading University 1982  
DC Logan College of Chiropractic 1991  
MD Saint Louis University 1998

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)  
MD University of Missouri 1968  
BS Washington & Lee 1964

Dmitri Samovski, PHD  
Instructor in 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)  
BA Berry College 1974  
MD Harvard University 1978

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)  
MD University of MO Columbia 2007  
MHS Washington Univ in St. Louis 2012  
BS Washington Univ in St. Louis 2003

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

Evelio E. Sardina, MD, MS, PHD  
Instructor in Clinical Medicine (primary appointment)  
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 University 1975

Jean E. Schaffer, MD  
Virginia Minnich Distinguished Professor of Medicine (primary appointment)  
Professor of Developmental Biology  
MD Harvard University 1986  
BA Harvard Radcliffe 1982

Richard O. Schamp, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Kansas 1978  
BA Emporia State University 1974

Jennifer Lynn Scheer, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Washington University in St. Louis 1994

Erica Lynn Scheller, PHD, DDENT  
Assistant Professor of Medicine (primary appointment)  
Assistant Professor of Cell Biology and Physiology  
PHD University of Michigan 2011  
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)  
MD Saint Louis University 1980  
BA Washington University in St. Louis 1976

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

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  
Assistant Professor of Medicine (primary appointment)  
MD University of Cincinnati 2003  
BS University of Toledo 1999

Alexander E Schuetz, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Saint Louis University 1991  
MD Saint Louis University 1996

Stephen Schuman, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1973

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

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

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

Lynne M Seacord, MD  
Associate Professor of Medicine (primary appointment)  
MD Washington University in St. Louis 1983

David Seltzer, MD  
Assistant Professor of Emergency Medicine in Medicine (primary appointment)  
MD Southeastern Illinois College 1993
Jay R Seltzer, MD  
Assistant Professor of Clinical Medicine (primary appointment)  
BA University of Missouri 1987  
MD University of Missouri 1987  

Clay F Semenkovich, MD  
Irene E and Michael M Karl Professor of Endocrinology and Metabolism in Medicine (primary appointment)  
Professor of Cell Biology and Physiology  
BA University of Virginia 1977  
MD Washington Univ in St. Louis 1981  

Deepali Prabir Sen, MD, MBBS  
Assistant Professor of Medicine (primary appointment)  
MD University of Mumbai 2003  
MBBS Grant Medical College 1999  

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)  
BA Johns Hopkins University 1976  
MD Johns Hopkins University 1982  

James F Sertl, MD  
Instructor in Clinical Medicine (primary appointment)  
MD Saint Louis University 1966  
BA Washington Univ in St. Louis 1962  

Liang Shan, PHD, MS  
Assistant Professor of Medicine (Pending Executive Faculty Approval) (primary appointment)  
PHD Johns Hopkins University 2012  
MS Fudan University 2007  
BS Nankai University 2003  

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  

Vidal T. Sheen, MD  
Instructor in Clinical Medicine (primary appointment)  
MD University of Louisville 1995  
BA Johns Hopkins University 1991  

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

Mounir M Shenouda, UNKNOWN  
Instructor in Clinical Medicine (primary appointment)  
UNKNOWN Alexandria University 1984  

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

Haina Shin, PHD  
Assistant Professor of Medicine (primary appointment)  
PHD University of Pennsylvania 2009  
BA Northwestern University 2004  

Cara L Shirai, MS, PHD  
Instructor in Medicine (primary appointment)  
BS Southeast Missouri St Ulters 2002  
MS Southeast Missouri St Ulters 2005  
PHD Saint Louis University 2010  

Bernard L Shore, MD  
Professor of Clinical Medicine (primary appointment)  
BA Washington Univ in St. Louis 1972  
MD Washington Univ in St. Louis 1977  

Robert B Shuman, MD  
Associate Professor of Clinical Medicine (primary appointment)  
BA Brandeis University 1977  
MD University of Missouri 1981  

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  
Instructor in Emergency Medicine in Medicine (primary appointment)  
BS University of California in Ri 2004  
MD Ross University School of Medi 2011  

Christine A Sigman, MD  
Instructor in Clinical Medicine (primary appointment)  
BA Saint Louis University 1991  
MD Saint Louis University 1996  

Julie Martha Silverstein, MD  
Associate Professor of Medicine (primary appointment)  
BS New York University 2004  
MD Drexel University 2007  

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)
BS Harvard University 1992
MD Brown University 1996

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)
BS Delhi University 1968
MD Delhi University 1975

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

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

Gordon Ian Smith, PHD, MS
Assistant Professor of Medicine (primary appointment)
BA University College Chichester 2001
MD University of Aberdeen 2006
MS University College Chichester 2002

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

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

Timothy W. Smith, MD, PHD
Associate Professor of Medicine (primary appointment)
MD Duke University 1993
MD University of Mississippi 1989

Michael Snyder
Adjunct Instructor in Medicine (primary appointment)

Allen D Soffer, 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)
BS Harvard University 1992
MD Brown University 1996

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)
BS Delhi University 1968
MD Delhi University 1975

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

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

Gordon Ian Smith, PHD, MS
Assistant Professor of Medicine (primary appointment)
BA University College Chichester 2001
MD University of Aberdeen 2006
MS University College Chichester 2002

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

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

Timothy W. Smith, MD, PHD
Associate Professor of Medicine (primary appointment)
MD Duke University 1993
MD University of Mississippi 1989

Michael Snyder
Adjunct Instructor in Medicine (primary appointment)

Allen D Soffer, MD
Instructor in Clinical Medicine (primary appointment)
MD Saint Louis University 1971

**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)
BA Case Western Reserve Univ 2009
MD University of Toledo 2013

**William F Stenson, MD**
Dr Nicholas V Costrini Professor of Medicine (primary appointment)
BS Providence College 1967
MD Washington Univ in St. Louis 1971

**Barbara B Sterkel**
Adjunct Associate Professor of Medicine (primary appointment)

**Karin Sterl, MD**
Instructor in Medicine (primary appointment)
MD Luliu Hatieganu U of Med 2007

**Kara Ellen Sternhell-Blackwell, MD, MA**
Associate Professor of Medicine (Dermatology) (primary appointment)
MD Washington Univ in St. Louis 2005
BA Washington Univ in St. Louis 1999
MA Washington Univ in St. Louis 2003

**Sean P Stickles, MD**
Assistant Professor of Emergency Medicine in Medicine (Pending Executive Faculty Approval) (primary appointment)
MD New York Medical College 2008
BA State Univ of NY Buffalo 2004

**Nathan O. Stitzel, BA1, MD, PHD**
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Genetics
BA1 Washington Univ in St. Louis 1998
MD University of Illinois Chicago 2006
BA Washington Univ in St. Louis 1998
PHD University of Illinois Chicago 2006

**Keith Evan Stockerl-Goldstein, MD**
Associate 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)
BA Stanford University 1976
MD University of Missouri 1984

**Michael Gary Stone, MD**
Instructor in Clinical Medicine (primary appointment)
MD Kansas Cty Univ Med/Bioscience 2008

**Cristina Strong, PHD**
Assistant Professor of Medicine (Dermatology) (primary appointment)
PHD University of Alabama 2002

**Christopher Michael Sturgeon, PHD**
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Developmental Biology
PHD University of British Columbia 2006
BS Carleton University 2001

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

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

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

**Kanagaraj Subramanian, MS, PHD**
Instructor in Medicine (primary appointment)
MS Heidelberg University 2000
PHD Heidelberg University 2007

**Hani Suleiman, MD**
Instructor in Medicine (primary appointment)
MD Regensburg University 2007

**Kaharu Sumino, PHD, M PA, MD**
Associate Professor of Medicine (primary appointment)
PHD Yokohama City Univ Sch Med 1999
M PA Johns Hopkins University 2008
MD Yokohama City Univ Sch Med 1992

**William Craig Summers, MD**
Instructor in Clinical Medicine (primary appointment)
BS University of Alabama 1994
MD University of AL Birmingham 1999

**Rama Suresh, MBBS**
Assistant Professor of Medicine (primary appointment)
MBBS University of Madras 1993

**Rudee Suwannasri, MD**
Instructor in Clinical Medicine (primary appointment)
MD Chiang Mai University 1973
BS Chiang Mai University 1971
Bridgette B Svancarek, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD University of MO Columbia 2006
BA Saint Louis University 2001

Elzbieta Anna Swietlicki, PHD, MS
Assistant Professor of Medicine (primary appointment)
PHD Medical Academy Lodz 1981
MS Medical Academy Lodz 1975

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)
MD Loma Linda University 1997
BS Union College Nebraska 1992

Michael Edward Tang, MD
Instructor in Medicine (primary appointment)
MD Washington Univ in St. Louis 2014

Kongsak Tanphaichitr, MD
Professor of Clinical Medicine (primary appointment)
MD Siriraj Medical School 1970

Richard S Tao, MD, MIM
Instructor in Emergency Medicine in Medicine (primary appointment)
BA Indiana State University 1991
MD Indiana State University 1995
MIM Indiana State University 1999

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
Assistant 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

Shaoukat Thanawalla
Instructor in Clinical Medicine (primary appointment)

Daniel Leonidas Theodoro, MD
Assistant Professor of Emergency Medicine in Medicine (primary appointment)
MD Brown University 1997

J. Allen Thiel, MD
Associate Professor of Clinical Medicine (primary appointment)
BS Rockhurst College 1956
MD Saint Louis University 1960

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

Benjamin S Thomas, MD
Adjunct Instructor in Medicine (primary appointment)
BS Georgia Tech 2002
MD Mercer University Macon 2009

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

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

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)
BS State University of New York 1976
MD Washington Univ in St. Louis 1980

Wael Toama, MD
Instructor in Medicine (primary appointment)
MD Damascus U. Medical School 2005

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

Fadi Tohme, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Anesthesiology
MD St. Joseph University, Beirut 2010

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

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

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

Doris Janet Tribune-Brown
Instructor in Clinical Medicine (primary appointment)

Nikolaos Trikalinos, MD
Assistant Professor of Medicine (primary appointment)
MD UNIVERSITY OF IOANNINA 2005

Sandeep Kumar Tripathy, PhD, MD
Assistant Professor of Medicine (primary appointment)
PHD University of Chicago 1995
BS University of Illinois 1990
MD University of Chicago 1998

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)
MD Saint Louis University 1981
BS University of Notre Dame 1977

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

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

U

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

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

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

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

V

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 ll, MD

52
Assistant Professor of Clinical Medicine (primary appointment)
BA Washington Univ in St. Louis 1968
MD Washington Univ in St. Louis 1972

Brian Andrew Van Tine, PHD, MD
Associate Professor of Medicine (primary appointment)
BS University of Arizona 1995
PHD University of AL Birmingham 2005
MD University of AL Birmingham 2005

Gil M Vardi, MD
Assistant Professor of Clinical Medicine (primary appointment)
MD Tel-Aviv University 1988

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

Emmanuel A Venkatesan, MBBS
Associate Professor of Clinical Medicine (primary appointment)
MBBS CMC, Vellore, India 1990

Kiran Raj Vij, MD
Assistant Professor of Medicine (primary appointment)
Assistant Professor of Pathology and Immunology
MD Indira Gandhi Medical College 1993

Ravi Vij, MBBS
Professor of Medicine (primary appointment)
BS Delhi University 1991
MBBS Maulana Azad Medical College 1991

Anitha Vijayan, MD
Professor of Medicine (primary appointment)
MD University of the West Indies 1990

Dennis T Villareal, MD
Adjunct Associate Professor of Medicine (primary appointment)
MD CEBU Doctor’s College of Med 1982
BS University of San Carlos 1978

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

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

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)
MD Saint Louis University 1984
BA Saint Anselm College 1980

Laura A Wallace, MD
Instructor in Clinical Medicine in Medicine (primary appointment)
MD Ohio State University 2012
BA Indiana University Indianopoli 2017

David A Walls, MD
Instructor in Clinical Medicine (primary appointment)
MD Southern Illinois University 1982
BA Southern Illinois University 1979

Sarah N. Walsh
Instructor in Clinical Medicine (Dermatology) (primary appointment)

Matthew John Walter, MD
Professor of Medicine (primary appointment)
Professor of Genetics
BS The American University 1990
MD Saint Louis University 1995

Richard Coburn Walters, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BS University of Illinois 1969
MD Washington Univ in St. Louis 1973

Jean S Wang, PHD, MD
Associate Professor of Medicine (primary appointment)
Associate Professor of Surgery (General Surgery)
PHD John Hopkins University 2009
MD Brown University 1998

Lawrence L. Wang, PHD, MD
Instructor in Clinical Medicine (Dermatology) (primary appointment)
BA Harvard University 1993
PHD Washington Univ in St. Louis 2001
MD Washington Univ in St. Louis 2001
Leyao Wang, PhD, M PH  
Instructor in Medicine (primary appointment)  
BA Nankai University 2017  
PHD Fudan University 2017  
M PH Johns Hopkins University 2017

Sarah Qian Wang, MD  
Instructor in Medicine (primary appointment)  
BS University of Texas Austin 2007  
MD Univ Texas Health Science Ctr 2012

Andrea Wang-Gillam, BS1, MD  
Associate Professor of Medicine (primary appointment)  
BS1 Ouachita Baptist University 1993  
MD University of AR Little Rock 2001  
BS Ouachita Baptist University 1993

Salama Naheed Waqar, MD  
Assistant Professor of Medicine (primary appointment)  
MD Aga Khan University 2001

Jeffrey Peter Ward, PhD, MD  
Instructor in Medicine (primary appointment)  
BS Wilkes University 2002  
PHD SUNY - Empire State College 2010  
MD SUNY - Empire State College 2010

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, MPH, MD  
Professor of Medicine (primary appointment)  
MPH Saint Louis University 2005  
BS Pennsylvania State University 1990  
MD University of Pittsburgh 1994

Lukas Delbert Wartman, MD  
Assistant Professor of Medicine (primary appointment)  
MD Washington Univ in St. Louis 2005  
BS Univ of Wisconsin Madison 1998

Scott P Wasserstrom, 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

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  
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Associate Professor of Surgery (Cardiothoracic Surgery)
The practice of medicine requires that physicians integrate a diverse array of knowledge. Clinicians must interview and examine a patient, understand that patient's experience of illness, develop an evidence-based differential diagnosis, and engage patients in their treatment plan, all the while attending to the ethical dimensions of clinical medicine. Physicians must also master skills for lifelong learning to remain competent professionals. The Practice of Medicine I (TPM I) is the first part of a three-year course that of individual patients. Physicians must understand how to promote the health of populations as well as that of individual patients. Physicians must also master skills for lifelong learning to remain competent professionals. The Practice of Medicine I (TPM I) is the first part of a three-year course about the interfaces between patient, doctor and society. The course is organized around the Content Areas described below. In addition, regular Integrative Case Sessions will highlight the interrelationships of the TPM Content Areas. Primary Care Preceptor sessions will provide each student with an introductory experience in outpatient medicine.

Content Areas:
- The Experience of Illness, Stephen S. Lefrak, MD. The practice of medicine reflects the tension between the unique story of individual patients and the generalized scientific understanding of disease. Physicians must learn to understand and resolve this tension as much as possible.
- The Experience of Illness is intended to help the student become aware of those areas that determine this unique response to biological processes. In addition to readings and small group discussions, students will write both a personal illness narrative and a patient-centered narrative following a home visit to a patient.

Courses

M25 Medicine 507 Practice of Medicine I
The practice of medicine requires that physicians integrate a diverse array of knowledge. Clinicians must interview and examine a patient, understand that patient’s experience of illness, develop an evidence-based differential diagnosis, and engage patients in their treatment plan, all the while attending to the ethical dimensions of clinical medicine. Physicians must understand how to promote the health of populations as well as that of individual patients. Physicians must also master skills for lifelong learning to remain competent professionals. The Practice of Medicine I (TPM I) is the first part of a three-year course about the interfaces between patient, doctor and society. The course is organized around the Content Areas described below. In addition, regular Integrative Case Sessions will highlight the interrelationships of the TPM Content Areas. Primary Care Preceptor sessions will provide each student with an introductory experience in outpatient medicine.

Content Areas:
- The Experience of Illness, Stephen S. Lefrak, MD. The practice of medicine reflects the tension between the unique story of individual patients and the generalized scientific understanding of disease. Physicians must learn to understand and resolve this tension as much as possible.
- The Experience of Illness is intended to help the student become aware of those areas that determine this unique response to biological processes. In addition to readings and small group discussions, students will write both a personal illness narrative and a patient-centered narrative following a home visit to a patient.

• Health Promotion/Disease Prevention, Bradley Evanoff, MD, MPH. This overview of public health and preventive medicine will combine theory and application to allow students to interpret the scientific literature, to approach clinical medicine with an emphasis on prevention, and to understand aspects of the social, economic, and political environments which affect health and health care. We will focus on methods of primary and secondary prevention, and on nutritional, environmental, and behavioral factors that impact health. Discussions will include immunization, screening for chronic diseases, and effects of toxic exposures.
- Scientific Method of Clinical Medicine and Research, Jay F. Piccirillo, MD. Students will learn the central role of clinical epidemiology and medical statistics in the care of patients, the critical review the published literature, and the conduct of clinical research. Students will also learn to use computerized statistics and spreadsheet programs, as well as how to measure and improve the quality of care.
- Clinical Skills, Yoon Kang, MD. Students will perform a complete physical exam (excluding neurologic and mental status exams). Additionally, students will learn how to summarize the exam findings in a written form, both in the context of a complete history and physical note and a daily progress note (i.e., SOAP note).
- Doctor-Patient Communication, Elliot E. Abbey, MD. This section begins development of physician-patient communication skills through several mechanisms. Students will observe their small group instructors taking medical histories from hospitalized patients. Subsequently, the instructors will observe student-patient interaction in the same setting. Lectures regarding the standard components of the history will coincide with the instructor role-modeling segment. Finally, videotapes illustrating examples of positive and negative aspects of communication will be utilized.
- The Ethics and Context of Medicine, Rebecca Dresser, JD. This content area introduces students to ethical, social, and legal issues arising in the practice of medicine. Topics to be covered include: the responsibilities of medical professionals; the doctor-patient relationship; and the organization and financing of health care. Issues in resource allocation, clinical research and genetics will also be addressed.

Credit 198.5 units.
M25 Medicine 605A Infectious Diseases
The infectious diseases course now includes a basic discussion of medical microbiology previously taught in the first year. The infectious disease portion emphasizes both organism-specific and organ-specific approaches to disease caused by microbes. The course aims to expand upon the material presented in the first year concerning bacteria, viruses, fungi and parasites and their involvement in causation of human disease. Educational methods include lecture and clinical case discussions in small groups.
Credit 30 units.

M25 Medicine 606A Rheumatology
The rheumatology pathophysiology course begins with an overview of the structure, function and physiology of the normal joint. The pathophysiology of both localized joint disorders such as osteoarthritis and infectious arthritis are then presented, along with systemic inflammatory disorders including rheumatoid arthritis, lupus and vasculitis. Diagnosis, pharmacologic management and rehabilitation of these conditions are included. In small group sessions, students interview patients and observe the characteristic physical findings of these disorders.
Credit 17 units.

M25 Medicine 607 Practice of Medicine II
The goal of The Practice of Medicine (TPM) is to provide medical students with a set of knowledge, skills and attitudes essential to patient care regardless of specialty. TPM II is a continuation of TPM I and will build on concepts introduced during TPM I. TPM II will continue to address various interfaces between patients, physicians and society and will also introduce approaches to clinical thinking and decision-making in the context of today’s socioeconomic and cultural environment. The sections of TPM II include Advanced Physical Examination, Case Development, Communication, Ethics and Health Policy, Health Promotion/Disease Prevention, Interpreting Illness, Ophthalmology, Patient Sessions, Radiology, and Scientific Methods. The learning objectives for each section of TPM II emphasize topics and skills utilized in all fields of medicine, and the majority of the course work for TPM II will be taught in small groups or through clinical experiences.
Credit 99 units.

M25 Medicine 611B Cardiovascular Disease
The purpose of this course is to consider the mechanisms and manifestations of acquired and congenital cardiovascular disorders as well as their pharmacologic treatment. Lectures and group discussions are provided which emphasize the major areas of cardiac pathophysiology and pharmacology.
Credit 30 units.

M25 Medicine 612B Pulmonary Diseases
The objectives of the pulmonary pathophysiology course include to review normal pulmonary physiology as related to specific pulmonary disease states. The focus of the course will largely be upon presentations in lectures concerning pathophysiologic principles of abnormal lung structure and function. In addition, case study problems will be discussed.
Credit 22.5 units.

M25 Medicine 613B Renal & Genitourinary Diseases
After a review of normal renal physiology and structure, the course focuses upon renal disease states including glomerulonephritis, secondary glomerulo diseases, diabetic and tubulointerstitial nephropathies, disorders of fluid volume and osmolality, electrolyte and acid/base disturbances, hypertension, renal infection, nephrothiasis, as well as acute and chronic renal failure. Teaching of renal pathophysiology is integrated with the renal segment of the pathology course. Lectures are supplemented by clinical case discussions in small groups.
Credit 38 units.

M25 Medicine 614 Dermatology
The dermatology second-year course is designed to teach medical students how to describe skin lesions and the pathophysiological 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 Gastroenterology and Liver Diseases/Nutrition
This course discusses the pathophysiological mechanisms involved in producing disease 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 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: Session 1: Complementary and Alternative Medicine; Session 2: Safe and Quality Care at BJH; Session 3: Communicating Serious Adverse Events to Patients and Families; Session 4: Intimate Partner Violence; Session 5: Medical Malpractice/Tort Reform; Session 6: Health Care Financing; Session 7: Update on the Patient Protection and
Affordable Care Act (PPACA); Session 8: Clinical Practice Management; Session 9: Recognizing Personal Biases; Session 10: Evaluation and Treatment of Patients with Disabilities. Attendance at eight out of 10 POM III sessions is required to pass this course. Student may use two absences for any reason and are recommended to save them for their ACES rotation, Labor & Deliver rotation, or an emergency. Sessions will be from 12-2 p.m. on the third Tuesday of every month except for November and December. (Please note that the first session is held on the fourth Tuesday of June).

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 rotate through the ambulatory general medicine clinics at Barnes Jewish Hospital and a community-based internal medicine practice. Teaching is provided by the chief of service, attending physicians, house officers, consultants, chief residents and regularly scheduled conferences. Formal instructions 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 730 Physical Medicine and Rehabilitation Clerkship
Clerkship in PM&R for third-year medical students provides an opportunity to gain basic knowledge and clinical skills in evaluation and management of a wide range of neurological and musculoskeletal diseases and conditions that require specialized rehabilitative medical and therapeutic care. Students spend two weeks on the Spinal Cord Injury Unit (SCI) and two weeks on the Brain Injury (BI) and Stroke Unit at The Rehabilitation Institute of St. Louis. Students are expected to be a part of the rehabilitation team, follow three to five patients, participate in daily morning rounds, participate in performing consents, and attend team meetings and family conferences. Students are required to attend several outpatient clinics such as SCI, BI, Amputee and Stroke. During the entire rotation, students work with PM&R residents and fellows, and under direct guidance of the NeuroRehabilitation faculty. The usual daily hours are 7:30 a.m. to 5 p.m. weekdays and 8 a.m. to noon on Saturdays. There is no night call. Students are required to attend all PM&R curriculum lectures and conferences. On the first day of rotation, students meet with the PM&R program director to go over goals, objectives and schedules. Upon completion of the rotation, students are required to fill out the evaluation form to provide feedback regarding rotation experience. 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 the four-week clerkship in Geriatrics is to provide an opportunity for students to gain proficiency in the principles of geriatric evaluation, including the medical, psychological, social, and functional assessments of older adults. Direct, hands-on experience with patients is a major feature of the clerkship. Students are expected to participate in the evaluation of three to five patients per week, in a variety of settings including the hospital Acute Care for the Elderly (ACE) unit on 3200 North Campus, the Older Adult Outpatient Assessment Program (Storz building), and the Long Term Care Setting (Barnes Extended Care in Clayton). Students attend hospice, geropsychiatry rounds, and the geriatric conferences while on the rotation. Students are assigned to a variety of attendings to enhance the experience. There is no night call or call on weekends. Participation on the hospital consult service will occur depending on volume. The day normally begins at 8:00 a.m. and is usually finished by 5. There will be time to read the detailed syllabus/bibliography. Students will be asked to present a brief topic of their choice at the end of the rotation and demonstrate knowledge of the geriatric screens and assessments. Credit 154 units.

M25 Medicine 801 Honors Medicine - General Medicine
The purpose of the Honors Medicine elective (sub-internship) is the development of expertise in the care of hospitalized patients in a well-supervised teaching environment. Sub-interns act as their patients' interns under the supervision of residents and attending physicians. Sub-interns 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. Sub-interns are not required to spend call nights in the hospital. Except in emergencies, sub-interns 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. Sub-interns 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. Sub-interns attend the same conferences as the house staff.

M25 Medicine 805 Rheumatology
Students will be involved in the diagnostic workup and management of patients with rheumatic illnesses including systemic lupus erythematosus, rheumatoid arthritis, vasculitis (polyarteritis, Wegener’s, temporal arteritis), spondyloarthropathies (ankylosing spondylitis, reactive arthritis), osteoarthritis, gout and regional musculoskeletal problems. By working closely with a faculty member, fellows and medical residents, students become integral and active members of the rheumatology service for inpatient consultations and outpatient clinics at Barnes-Jewish Hospital. An emphasis is placed on the physical examination of joints and the musculoskeletal system, synovial fluid analysis, and interpretation of diagnostic tests and radiographs. Students attend two rheumatology conferences held weekly. A rotation limited to outpatient rheumatology is possible by prior arrangement with the course director.

M25 Medicine 807 Honors Medicine - VA Hospital
The purpose of the Honors Medicine elective (sub-internship) at the VA Medical Center is to develop practical experience and expertise in the care of hospitalized patients on an internal medicine ward. With appropriate supervision by the attending and resident physicians, sub-interns will have similar responsibilities as interns. 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. Sub-interns 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. While being supervised as listed above, sub-interns assume primary responsibility for the daily care of their patients, including evaluation on daily rounds, scheduling and obtaining results of diagnostic studies, calling consults, planning therapy, making arrangements for care after discharge, and communicating with patients and their families.

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, 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, 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. Students will be expected to give an oral presentation on a topic of their choice once during the rotation.

M25 Medicine 811 Clinical Internal Medicine - Hospitalist
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 have the opportunity to perform indicated procedures on patients on this service. Students are encouraged to participate in Department of Medicine conferences.

M25 Medicine 814 Clinical Emergency Medicine - Barnes-Jewish Hospital
This rotation offers practical experience in the evaluation and management of acutely sick and injured patients. Students will function as sub-interns, initially evaluating their assigned patients and 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 to get an 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, and students will rotate between day, evening and night shifts, including weekend shifts, in order to gain maximum exposure to all types of emergencies. A core content 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 have a shift with the toxicology attendings and residents and will 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 WUSM IV Emergency Medicine rotation. 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 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.

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 specialists that sees a large population of cardiac patients and follows them through all aspects of their in-hospital care. Emphasis will be placed on physical examination and the interpretation of modern cardiac diagnostic tests including electrocardiograms, echocardiograms and coronary angiograms and their role in clinical decision making.

M25 Medicine 822 Honors Medicine - Cardiology
The structure and functioning of the Honors Medicine-Cardiology elective (sub-internship) is very similar to the general medicine sub-internship (M25 801). 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 chief residents and direct the service on a monthly basis. Sub-interns act as their patients’ interns under the supervision of residents and attending physicians. Sub-interns 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. Sub-interns are not required to spend call nights in the hospital. Except in emergencies, sub-interns 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. Sub-interns 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. Sub-interns 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
The major purpose of this elective in clinical cardiology at the John Cochran VA Hospital is to improve evaluation and management skills for diagnosis and treatment of important cardiovascular conditions such as coronary artery disease including acute myocardial infarction, congestive heart failure, hypertension, and valvular heart disease. The rotation is designed to be flexible enough to accommodate a wide variety of course objectives but includes the opportunity to participate in 1-3 outpatient clinics per week; 1-4 weeks of inpatient intensive care, telemetry, or cardiology consultation rounds; and ECG, stress testing, nuclear imaging, or echocardiographic reading sessions, cardiac catheterization and electrophysiologic procedures. The emphasis will be on improvement of the ability to diagnose and treat cardiovascular disease on the basis of information obtained from a thorough history and physical examination that is integrated with data from appropriate highly targeted laboratory studies in a manner that optimizes patient outcome and minimizes risk and costs.

M25 Medicine 825 Cardiac Arrhythmias and Electrophysiology
This elective provides the student with exposure and teaching in the diagnosis and treatment of complex cardiac rhythm disturbances. Specifically, the student is expected to evaluate patients referred for evaluation and treatment of complex or life-threatening rhythm disturbances, unexplained syncope or sudden cardiac death. Rounds are made daily on hospitalized patients, and students are welcome to observe electrophysiology studies or implantation of pacemakers and defibrillators. This elective also provides an intensive opportunity to learn clinical electrocardiography and the systematic use of anti-arrhythmic drugs. Finally, since patients with chronic, complex rhythm disturbances frequently have 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 rounds, trainees are invited to attend both heart failure and transplant clinics. Further, the curriculum is supplemented by a comprehensive 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. Students 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. Enthusiastic students will have an opportunity to write up a case report if they wish, but need to notify the instructor before the course.

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 and supervised sessions with clinical faculty. The primary format of the elective is observation of the first-year students during hospital sessions where the first-years perform the H&P and the fourth-year mentors offer constructive feedback. Each H&P write-up is also thoroughly reviewed and critiqued by the mentor. Supervisory sessions also occur with clinical faculty who give feedback on both the performance of the first-year students as well as the mentoring skills of the fourth-year.

M25 Medicine 836 Clinical Gastroenterology and Hepatology
The GI Hepatology elective is integrated into a very active inpatient/outpatient and endoscopy service at Barnes-Jewish Hospital. Students will participate in the evaluation of inpatients and outpatients with a spectrum of gut and liver disorders, will make patient rounds with the faculty and fellows, and have responsibility for patients on whom consultations have been requested. In addition, they will observe biopsy, endoscopic, and intubation techniques and participate in outpatient clinic and GI conferences.

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 842 Introduction To Wilderness Medicine
The purpose of this course is to introduce medical students to common medical problems both emergent and nonemergent seen in various wilderness settings. After taking this course the student should have a basic understanding of the pathophysiology and management of these problems in an environment with limited access to medical aid. The course will involve four days of four-hour lectures each week along with one 1-2 day required overnight camping trip. Requirements to pass this course include completing a presentation on a topic of their
choosing that is approved by the course director as well as a skills and written test.

**M25 Medicine 843 Medical Toxicology**
This rotation offers practical experience in the evaluation and management of the acutely ill poisoned patient. Students will function as sub-interns and either report to the senior resident, fellow, or directly to the toxicology attending. Students will gain familiarity and experience evaluating and treating patients who have intentionally and unintentionally overdosed on medications or illicit drugs, been envenomed (such as by spiders, snakes, or other reptiles), or 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. Daily activities start in the morning and are generally concluded by the early afternoon. A core content 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 also exist during this rotation; those with this interest can ask for further information during their rotation. Students will also have the opportunity to go to the Missouri Poison Center and evaluate patients in the outpatient toxicology clinic. Students desiring a letter of recommendation from one of the toxicology attendings (who are also Emergency Medicine and Internal Medicine attendings) or interested in Emergency Medicine or Medical Toxicology should take this elective. Also, students considering other specialties such as Pediatrics or Internal Medicine should consider this rotation as they will be responsible for evaluating these patients 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. Students should receive a course guide just prior to their rotation. However if they do not, they can page the toxicology pager at 314-672-0284 to determine when and where to meet for rounds.

**M25 Medicine 844 Hematology and Hemostasis**
Activities planned include workup of patients at Barnes-Jewish Hospital under the supervision of the hematology fellow and his staff consultant; attendance at clinical rounds three to five hours weekly; participation in outpatient clinics; experience in various procedures, especially blood and bone marrow morphology and in interpretation of coagulation tests. Daily student rounds with a senior staff person.

**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 noninvasive 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 853 Bone and Joint Infectious Disease Consult**
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 Infectious Disease are a prerequisite to this course.

**M25 Medicine 854 Transplant Infectious Disease**
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 every part of Barnes-Jewish Hospital under the supervision of a faculty member who rounds with them every day. They work closely with infectious disease fellows, follow their own patients and play an important role in their management. They are expected to read the literature about their patients and participate in clinical conferences. They attend teaching rounds and conferences and lectures in infectious diseases. They also learn appropriate use of antibiotics, antifungal and antiviral agents in this highly immune suppressed population. A wide distribution of infectious diseases is covered including management of neutropenic fever, invasive fungal infections in the transplant population, acute and chronic infections, infection prophylaxis and monitoring and interactions between immunosuppressive agents and antibiotics.

**M25 Medicine 858 Ambulatory Infectious Disease**
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, sexually transmitted diseases and travel plans. Patients seen will have a wide range of acute and chronic infections with a heavy emphasis on HIV/AIDS, including indigent and insured patients, of both sexes and a wide range of ages. The students will 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.
role in the management of these patients. They are expected to read the literature about their patients and participate in clinical conferences.

M25 Medicine 859 General Inpatient Infectious Disease
Study of patients with infectious diseases, including inpatient care of HIV-infected patients and general infectious disease consults. The elective is designed to teach students the fundamentals of evaluating clinical problems in infection 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 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 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. A wide distribution of infectious diseases is covered including community-acquired acute and chronic infections, opportunistic infections in HIV-infected patients, hospital-acquired infections, and basic infection control practices. This is a four-week rotation. Two-week rotations are allowed, but must be done in conjunction with two weeks of Transplant Infectious Disease or Bone and Joint Infectious Disease.

M25 Medicine 861 Oncology - Inpatient
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 bedside 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 pharmacological basis for systemic cancer treatment. The ethical and medical challenges of caring for patients with advanced incurable malignancies will also be an important theme, as well as the conduct of clinical research in this patient population. Students will learn to care for hospitalized patients suffering from complications of 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 862 Inpatient Internal Medicine/Oncology - Firm
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 bedside teaching and attend tumor boards and lectures focused on the care of patients with solid tumors and lymphoma. 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 pharmacological basis for systemic cancer treatment. The ethical and medical challenges of caring for patients with advanced incurable malignancies will also be an important theme, as well as the conduct of clinical research in this patient population. Students will learn to care for hospitalized patients suffering from complications of 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 863 Emergency Ultrasound
This rotation will focus on ultrasound and all of its many applications and uses in the Emergency Department. Students will participate in the performance of bedside ultrasound of patients in the Emergency Department. Common applications of emergency ultrasound include the FAST exam, pelvic ultrasound, Abdominal Aortic Aneurysm (AAA), vascular access, renal, gallbladder, and DVT. In general, the student will be in the Emergency Department during weekdays to perform these exams. Students will not be involved in direct patient care during this rotation. Students will have access to a lecture bank of the common applications. In addition, the student will meet with the ultrasound director 1-2 times/wk to review images and have direct hands-on instruction. At the end of the rotation the student should have gained the knowledge of basic emergency ultrasound including its indications and applications; as well as becoming more adept at the performance of ultrasound.

M25 Medicine 865 Intensive Care Medicine
This elective in intensive care is offered in the Intensive Care Unit at Barnes-Jewish Hospital, South Campus. This unit has 16 intensive care beds providing intensive nursing care and life-support technology. The patients represent a mixture of patients with primarily medical problems. Patient care responsibility includes night call. In addition to patient responsibility, there are regularly scheduled conferences and attending rounds.

M25 Medicine 867 Medical Intensive Care
This elective is offered as an opportunity to gain additional experience in acute, primary care medicine. The elective is an advanced course in patient care involving complex medical problems. Responsibilities involve working up new patients with the MICU team, case presentations and attendance at conferences. Conferences consist of attending rounds Monday through Saturday, radiology rounds Monday through Saturday, pulmonary conference and medical grand rounds on Thursday, and critical care conference once each month. Call schedule is every third night.

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 BJC Hospice Team and the St. Louis Children's Hospital Palliative Care Service. While in the hospital, students will be responsible for seeing patients upon initial assessment as well as 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 participate in complicated advanced care planning. Students will attend interdisciplinary team meetings, and 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 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, and 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 inpatient and outpatient management of diabetes including insulin dosing and glucose monitoring, as well as evaluate and treat a variety of endocrine disorders including but not limited to thyroid, pituitary, and adrenal disease. Students will learn to perform effective inpatient and outpatient consultations.

M25 Medicine 871 Oncology - Outpatient
Students will gain experience in the initial treatment of newly diagnosed malignancies and the outpatient management of oncology patients. Participation in multidisciplinary tumor conferences will stress a combined-modality approach to management, incorporating chemotherapy, radiotherapy and surgery. Students will see patients with a variety of malignancies, including lymphoma, myeloma, and tumors of the lung, breast and colon. Management of hypercalcemia and other paraneoplastic syndromes, as well as cancer pain management will be covered. Students will have the opportunity to see how most oncologists spend 90 percent of their workday. They will observe different styles that oncologists have in 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
The student, during the two-week elective, will read 20-25 ECGs obtained from the Barnes-Jewish Heart Station and then overread by an experienced electrocardiographer. There will also be didactic sessions covering infarction, ventricular hypertrophy, heart block, arrhythmias, and aberrant conduction.

M25 Medicine 879 Pulmonary Clinic for the Underserved
Clinical setting: Outpatient clinic dedicated to providing pulmonary specialty care to patients who are predominantly uninsured or who rely upon public assistance such as Medicaid.
Student role: Students independently interview and examine patients and present findings to the attending, tests and imaging are reviewed, and provider and attending develop plan. Common problems/diseases: Asthma, COPD, sarcoidosis, lung cancer, and obstructive sleep apnea are commonly seen. Also, patients are referred for evaluation of abnormal x-rays and for symptoms such as dyspnea. Primary learning objectives: to understand and practice important history and exam skills in pulmonary medicine: symptoms, smoking history, work and environmental exposures, and important pulmonary physical exam findings; to understand the basics of pulmonary function tests, chest imaging, and methods for tissue sampling; 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 882 Pulmonary Medicine - VA Hospital
Students will participate in several ambulatory care activities of the Pulmonary Section, including outpatient consultations of common respiratory disorders such as COPD, obstructive sleep apnea, lung cancer and tuberculosis, and follow-up of primary care patients with pulmonary disease. In addition, students will round in medical intensive care units, interpret pulmonary function tests, participate in bronchoscopy and attend scheduled teaching conferences of the Pulmonary Division.

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, and stem cell biology. 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 885 Occupational/Environmental Medicine
This elective is designed to introduce students to research and practice in the prevention of work-related injuries and illnesses, and prevention of health effects related to environmental exposures. Preventive activities will include work site visits and intervention projects, as well as involvement with work site health promotion and policy making. Research projects involve epidemiology and intervention projects in work-related injury and musculoskeletal disorders. Specific activities are flexible depending on the students’ interests. Students may
elect to participate in the Interdisciplinary Environmental Clinic at Washington University. Based in the law school, the clinic involves interdisciplinary teams of students (law, engineering, environmental science) taking principal responsibility, under faculty supervision, for cases and projects on behalf of environmental and community organizations. The medical student(s) assist clinic students by evaluating the human health impacts involved in one or more of the clinic’s cases, and presenting such information to the client organization(s) and others. Among the cases on which medical students might participate are: (1) air pollution associated with factories in the St Louis metropolitan area; (2) lead poisoning of children and adults in St. Louis and surrounding towns; (3) air and water pollution caused by concentrated animal feeding operations (factory farms) in Missouri. Students choosing this option will work with the Environmental Clinic staff and with Dr. Evanoff to evaluate and present evaluations of human health impacts of environmental exposures.

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, the transplant service, the various CKD clinics, and all modalities of dialysis, including in-center, home, and peritoneal dialysis.

M25 Medicine 893 Adult Allergy and Clinical Immunology
Students will participate in the allergy consult service at Barnes-Jewish Hospital, North and South Campus. The student will serve as the primary allergy consult for inpatient and Emergency Room consultation and present each patient to the allergy fellows on call and the attending physician. Students will attend The Adult Allergy Clinic, Pediatric Allergy Clinic, and the outpatient clinics at The Asthma & Allergy Center at Barnes-Jewish West County Hospital. Conferences on selected topics in allergy and clinical immunology will be held with the attending staff two to three afternoons a week.

M25 Medicine 900 Research Elective - Internal Medicine
Research opportunities may be available. If interested, please contact the Department of Internal Medicine.