Lewis Katz School of Medicine

Lewis Katz School of Medicine (LKSOM) at Temple University, located on the Health Sciences Center campus, is dedicated to excellence in education, research, and patient care achieved by faculty, staff, and students who represent the diversity of society. LKSOM takes pride in the excellence of its teaching, research, and service programs by:

• providing education that is patient-centered, instilling in learners the school’s ethic of human service and lifelong learning;
• engaging in research that advances and integrates basic and clinical science; and
• administering patient care with compassion and understanding, utilizing contemporary knowledge and techniques.

Located in the historic city of Philadelphia where American medicine has its roots, LKSOM has been known for its faculty’s uncommon interest in and concern for students and its commitment to the highest quality of care for all people. On November 1, 2007, the Medical School broke ground on a new home. At a cost of $160 million, the Medical Education and Research Building is the largest capital improvement project in the history of Temple University. The 11-story, 480,000-square-foot glass and brick structure opened in May 2009 and has proven to be a highly functional site for both education and research.

Russell H. Conwell, founder of Temple University, established a medical school, lit by gaslight, for the “common man” with its opening on September 16, 1901. The faculty consisted of 27 lecturers, demonstrators, and instructors. Medical practitioners taught classes at College Hall, next to the Baptist Temple, on present-day Main Campus. Samaritan Hospital, two miles up Broad Street, was the site of clinical instruction. Anatomical dissections on cadavers, which were delivered in pickle barrels, were performed in a hayloft. According to admissions materials, “matriculates of academic or scientific colleges, or graduates of reputable high schools of the first grade, or a normal school established by State authority, of both sexes, are admitted to the first year class without examination.” In the inaugural class, 31 students began the five-year program that included:

• classes held on nights and weekends to accommodate students’ day jobs;
• fifteen required textbooks;
• total tuition and fees of a modest $635; and
• a curriculum requiring 700 hours of work each year.

From such modest beginnings, the School of Medicine has emerged as a school of national reputation. One in every four people who applies to medical school in the United States applies to Temple. Nationally ranked by U.S. News & World Report, the Lewis Katz School of Medicine at Temple University prepares students for a rewarding career in medical practice or research. The combined energy created by our enthusiastic faculty, state-of-the-art technology, and soaring new facilities makes Temple one of the most exciting places to study medicine today.

Programs

Degree Programs

• Biomedical Sciences, M.S. (http://bulletin.temple.edu/graduate/scd/medicine/biomedical-sciences-ms)
• Biomedical Sciences, Ph.D. (http://bulletin.temple.edu/graduate/scd/medicine/biomedical-sciences-phd)
• Physician Assistant, M.M.S. (http://bulletin.temple.edu/graduate/scd/medicine/physician-assistant-mms)
• Urban Bioethics, M.A. (http://bulletin.temple.edu/graduate/scd/medicine/urban-bioethics-ma)

Certificate

• Urban Bioethics

Graduate Faculty

Mary E. Abood, Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., University of California San Francisco.

Tasuku Akiyama, Assistant Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., University of Toyama.

Barrie Ashby, Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., University of Leeds.

Raghbir S. Athwal, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., University of Missouri.

Michael V. Autieri, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; Ph.D., Hahnemann University.

S. Ausim Azizi, Professor (Clinician Scholar), Department of Neurology, Lewis Katz School of Medicine; M.D., Southwestern Medical School.

Mary F. Barbe, Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Wake Forest University.
Mark M. Black, Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Case Western Reserve University.

Tricia Helen Burdo, Associate Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., Penn State College of Medicine.

Bettina A. Buttaro, Associate Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., University of Minnesota.

Roberto Caricchio, Associate Professor (Research), Department of Microbiology and Immunology, Lewis Katz School of Medicine; M.D., Catholic University of Sacred Heart.

Marion M. Chan, Associate Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., Cornell University Medical College.

Xiongwen Chen, Assistant Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; Ph.D., Temple University.

Joseph Y. Cheung, Professor, Department of Medicine, Lewis Katz School of Medicine; M.D., Duke University.

Seo-Hee Cho, Assistant Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., Rutgers University.

Parkson Lee-Gau Chong, Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of Illinois at Urbana-Champaign.

Philip L. Cohen, Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; M.D., Yale University.

Alan Cowan, Professor Emeritus, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., University of Strathclyde.

Judith Daniels, Associate Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., University of North Carolina at Chapel Hill.

Prasun Datta, Assistant Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., University of Calcutta.

Konstantinos Drosatos, Assistant Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., Boston University.

Nahum J. Duker, Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; M.D., University of Illinois College of Medicine.

Nae Dun, Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., Loyola University Chicago.

Satoru Eguchi, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; M.D., Tohoku University School of Medicine.

Toby K. Eisenstein, Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., Bryn Mawr College.

John W. Elrod, Assistant Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; Ph.D., Albert Einstein College of Medicine.

Nora Engel, Associate Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., University of Buenos Aires.

Arthur M. Feldman, Professor, Department of Physiology, Lewis Katz School of Medicine; M.D., Louisiana State University.

Tracy Lee Fischer-Smith, Assistant Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., Temple University.

Gianluca Gallo, Associate Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., University of Illinois.

Stefania Gallucci, Associate Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; M.D., Università Cattolica del Sacro Cuore.

Ana M. Gamero, Assistant Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of South Florida.

Doina Ganea, Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., University of Illinois at Chicago.

Glenn Stephen Gerhard, Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; M.D., The Pennsylvania State University.

Kathleen M. Giangiacomo, Associate Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania.
Lawrence E. Goldfinger, Assistant Professor, Department of Sol Sherry Thrombosis Research Center, Lewis Katz School of Medicine; Ph.D., Northwestern University Medical School.

Jennifer C. Gordon, Associate Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., MCP Hahnemann University School of Medicine.

Xavier Graña, Associate Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., University of Barcelona.

Charles Grumbmeyer, Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of Alberta.

Dale S. Haines, Associate Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Hahnemann University.

Wen-Zhe Ho, Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; M.D., Wuhan University School of Medicine.

Barbara Hoffman, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., University of Michigan.

Steven R. Houser, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; Ph.D., Temple University.

Wenhui Hu, Associate Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; Ph.D., Peking Union Medical College and Chinese Academy of Medical Science.

Yang Hu, Assistant Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; M.D., Beijing Medical University.

Jian Huang, Assistant Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; M.D., Peking University Health Sciences Center.

Jean-Pierre Issa, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; M.D., The American University of Beirut.

Liselotte E. Jensen, Assistant Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., University of Aarhus.

Nora L. Jones, Assistant Professor (Research Center), Department of Center for Bioethics, Urban Health and Policy, Lewis Katz School of Medicine; Ph.D., Temple University.

Kamel Khalili, Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania School of Medicine.

Laurie Kilpatrick, Associate Professor, Department of Center for Inflammation, Translational and Clinical Lung Research, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania.

Seonhee Kim, Assistant Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., Rutgers University.

Lynn Kirby, Associate Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania.

Raj Kishore, Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., Lucknow University.

Walter J. Koch, Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; Ph.D., University of Cincinnati College of Medicine.

Beata Kosmider, Associate Professor, Department of Physiology, Lewis Katz School of Medicine; Ph.D., University of Lodz.

Barbara Krynska, Assistant Professor (Research), Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., Medical University of Silesia.

Satya P. Kunapuli, Professor, Department of Physiology, Lewis Katz School of Medicine; Ph.D., Indian Institute of Science.

T. Dianne Langford, Associate Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., University of Alabama.

Shuxin Li, Assistant Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; M.D., Henan Medical University.

Dan A. Liebermann, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Weizmann Institute.

Lee-Yuan Liu-Chen, Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., Massachusetts Institute of Technology.
John S. Martin, Associate Professor, Department of Physiology, Lewis Katz School of Medicine; Ph.D., Thomas Jefferson University.

Marc Monestier, Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; M.D., University of Lyon.

Madhesh Muniswamy, Assistant Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; Ph.D., Wellcome Trust Research Laboratory.

John W. Muschamp, Assistant Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., Florida State University.

Henry P. Parkman, Professor, Department of Medicine, Lewis Katz School of Medicine; M.D., Case Western Reserve University.

Helen E. Pearson, Associate Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Medical College of Pennsylvania.

Yuri Persidsky, Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; M.D., Kiev State Medical Institute.

Stephen H. Pilder, Associate Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Princeton University.

Richard Pomerantz, Assistant Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., State University of New York Downstate Medical Center.

Steven N. Popoff, Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Loyola University.

Raghava Potula, Assistant Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; Ph.D., Jawaharlal Nehru Institute of Postgraduate Medical Education and Research.

Domenico Praticò, Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; M.D., University of Roma, La Sapienza Medical School.

Xuebin Qin, Associate Professor, Department of Neuroscience, Lewis Katz School of Medicine; M.D., Wannan Medical College.

Joseph Rabinowitz, Assistant Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; Ph.D., Case Western Reserve University.

Servio Ramirez, Associate Professor (Research), Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; Ph.D., University of Rochester School of Medicine and Dentistry.

A. Koneti Rao, Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine; M.D.

Jay Rappaport, Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania.

Scott M. Rawls, Associate Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., East Carolina University School of Medicine.

Fabio Recchia, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; M.D., University of Baria.

Victor Rizzo, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; Ph.D., University of Medicine and Dentistry of New Jersey, New Jersey Medical School.

Pamela C. Roehm, Associate Professor (Clinician Scholar), Department of Otolaryngology/Head and Neck Surgery, Lewis Katz School of Medicine; M.D., Johns Hopkins University School of Medicine.

Thomas J. Rogers, Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., University of Wisconsin-Madison.

Brad S. Rothberg, Associate Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of Florida.

Michael R. Ruggieri, Associate Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., University of Pennsylvania.

Abdel Karim Sabri, Associate Professor, Department of Physiology, Lewis Katz School of Medicine; Ph.D., Rene Descartes University.

Mahmut Safak, Associate Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., Thomas Jefferson University.

Umadevi Sajjan, Associate Professor, Department of Physiology, Lewis Katz School of Medicine; Ph.D., University of Mysore.

Carmen Sapienza, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Dalhousie University.

Ilker K. Sariyer, Assistant Professor, Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., Temple University.
Bassel E. Sawaya, Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Rene Descartes University.

Rosario Scalia, Professor, Department of Physiology, Lewis Katz School of Medicine; M.D., University of Catania.

Michael Seltzer, Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; M.D./Ph.D., New York University.

Scott K. Shore, Associate Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Drexel University.

Michael A. Sirover, Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., State University of New York Stony Brook.

Tomasz Skorski, Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; M.D., Medical Academy of Warsaw.

George Smith, Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., Case Western Reserve University.

Jonathan Soboloff, Associate Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., University of Ottawa.

Young-Jin Son, Associate Professor, Department of Shriners Hospitals Pediatric Research Center, Lewis Katz School of Medicine; Ph.D., University of Texas at Austin.

Dianne R. Soprano, Professor, Department of Medical Genetics and Molecular Biochemistry, Lewis Katz School of Medicine; Ph.D., Rutgers University.

Italo Tempera, Assistant Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Sapienza University of Rome.

Gareth Thomas, Assistant Professor, Department of Anatomy and Cell Biology, Lewis Katz School of Medicine; Ph.D., Dundee University.

Ying Tian, Assistant Professor, Department of Pharmacology, Lewis Katz School of Medicine; Ph.D., Temple University.

Douglas G. Tilley, Assistant Professor, Department of Center for Translational Medicine, Lewis Katz School of Medicine; Ph.D., Queen's University.

Alexander Y. Tsygankov, Associate Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., Bach Institute of Biochemistry, Moscow.

Ronald F. Tuma, Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., Temple University.

Çagla Tükel, Assistant Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., Ankara University.

Ellen M. Unterwald, Professor, Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., Boston University School of Medicine.

Hong Wang, Professor, Department of Center for Metabolic Disease Research, Lewis Katz School of Medicine; Ph.D., University of Montreal.

Sara Jane Ward, Assistant Professor (Research Center), Department of Center for Substance Abuse Research, Lewis Katz School of Medicine; Ph.D., Wake Forest University.

Martyn K. White, Assistant Professor (Research Center), Department of Neuroscience, Lewis Katz School of Medicine; Ph.D., University of Oxford.

Marla R. Wolfson, Professor, Department of Center for Inflammation, Translational and Clinical Lung Research, Lewis Katz School of Medicine; Ph.D., Temple University.

Weidong Xiao, Professor, Department of Microbiology and Immunology, Lewis Katz School of Medicine; Ph.D., University of North Carolina at Chapel Hill.

Xiao-Feng Yang, Professor, Department of Cardiovascular Research Center, Lewis Katz School of Medicine; Ph.D., University of Montreal.

Jun Yu, Assistant Professor, Department of Physiology, Lewis Katz School of Medicine; M.D., Yale University School of Medicine.

M. Raza Zaidi, Assistant Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; Ph.D., Rutgers University, Robert Wood Johnson Medical School.

Yi Zhang, Associate Professor, Department of Fels Institute for Cancer Research, Lewis Katz School of Medicine; M.D., University of Tokyo School of Medicine.