


The Associations of Senior and Emeritus Faculty
of the Perelman School of Medicine (ASEF-PSOM)
and the University of Pennsylvania (PASEF)

2021 Newly Retired & Emeritus Faculty Program and Virtual Reception

Thursday, May 20, 2021
3:00 PM – 5:30 PM



2021 Newly Retired & Emeritus Faculty Program and Virtual Reception

In recognition and celebration of newly retired and emeritus faculty

3:00 PM Arrival

Pianist, Roger Allen, DPhil

Welcome

Yvonne Paterson, PhD
ASEF-PSOM Co-President

Visual Presentation of Perelman School of Medicine Honorees

Jeffrey Michael Field, PhD
ASEF-PSOM Co-President

and

Yvonne Paterson

4:00 PM Greetings

Janice Madden, PhD
PASEF President

Laura W. Perna, PhD
Vice Provost for Faculty

Visual Presentation of PASEF Honorees

Janice Madden

and

Paul Shaman, PhD
Past PASEF President

Closing Remarks by Janice Madden

Farewell

Pianist, Roger Allen



2020–2021 FACULTY HONOREES

Soraya Abbasi, MD

Pediatrics

Perelman School of Medicine

Soraya Abbasi received her MD from Pahlavi University Medical School, Shiraz, Iran. She had Pediatric Residencies in Shiraz, at University of Oklahoma and University of Connecticut and Fellowships at Yale and CHOP. Her expertise is in the area of Pediatric lung function and outcome, through the testing of novel clinical devices and instruments in order to improve the efficacy of non-invasive respiratory support. She has extensive publications in her specialty.

Stephanie B. Abbuhl, MD, FACEP

Emergency Medicine

Perelman School of Medicine

Dr. Abbuhl served as Interim Chair, Medical Director, Fellowship Director and Vice Chair of Emergency Medicine from 2004-2020. She also served as Executive Director of FOCUS on Health & Leadership for Women for 20 years. Her research interests include establishing evidence-based best practices for faculty development and investigating gender issues impacting careers in medicine, for which she has received many awards, including the 2012 AAMC Women in Medicine and Science Leadership Development Award.

Gustavo Aguirre, VMD, PhD

Clinical Sciences & Advanced Medicine

School of Veterinary Medicine

Gustavo Aguirre is Professor of Medical Genetics and Ophthalmology and works on retinal gene therapies. He earned all his degrees and completed a residency in ophthalmology at Penn. He joined Penn in 1973, left for Cornell in 1992, and returned to Penn in 2004. His many awards include the Alcon Award and ARVO's Proctor Medal. He is a National Academy of Medicine member and an AAAS fellow.

Linda H. Aiken, PhD, FAAN, FRCN

Biobehavioral and Health Sciences

School of Nursing

Linda H. Aiken, Professor of Nursing and Sociology and Founding Director of the Center for Health Outcomes and Policy Research, is officially retiring from Penn in 2021 after 33 years. She remains principal investigator on multiple grants and will continue to be actively engaged in research, writing, mentoring PhD students, and traveling internationally to collaborate with research partners.

Julian L. Allen, MD

Pediatrics
Perelman School of Medicine

Dr. Allen received his BA (1974) and his MD (1978) from Columbia University. He is Director of the Asthma Program at CHOP and holds the Robert Gerard Morse Endowed Chair in Pediatric Pulmonary and Sleep Medicine. His research interests, in which he has widely published, include developmental respiratory system mechanics; lung function testing in children, adolescents and infants; developmental chest wall physiology; pulmonary complications of sickle cell disease; and complications of cystic fibrosis.

Yair Argon, PhD

Pathology-CHOP
Perelman School of Medicine

After serving in the Yom Kippur War, Dr. Argon completed his BSc at the Hebrew University, Jerusalem. He pursued doctoral studies in Genetics at Harvard and postdoctoral studies in Molecular Biology at Cambridge, UK. Dr. Argon was at Duke and the University of Chicago before joining Penn. His research interests have evolved from immunology to molecular stress responses. He is proud of his trainees that are now researchers in the US and Europe.

Regina Austin, JD

School of Law

Regina Austin studies the impact of law on cultural conflicts arising from race, gender, and class inequality, emphasizing critical analysis of ethnographies and law-genre documentary films and photography. She directs the pathbreaking Penn Program on Documentaries & the Law which hosts screenings of law-genre documentaries, maintains an archive of clemency videos, and produces mitigation videos on behalf of young, first-time defendants.

Narayan G. Avadhani, BSc, PhD

Biomedical Sciences
School of Veterinary Medicine

Narayan Avadhani is Professor of Biochemistry and the Harriet Ellison Woodward Professor of Biochemistry in the Department of Biomedical Sciences at Penn Vet. His research deals with autoimmune diseases, metabolic regulation, mitochondrial genetics, and mitochondrial function. He has been at Penn since 1972.

Norman I. Badler, PhD

Computer and Information Science
School of Engineering and Applied Science

Norman Badler is the Rachleff Family Professor of Computer and Information Science. He is a leading scholar in computer graphics and animation, co-authoring almost 300 papers with about 21,000 citations. He created the Digital Media Design degree in 1998 and directs the Digital Visualization (ViDi) Center. He was CIS Department Chair in 1990-94 and Associate Dean of SEAS in 2000-04.

Frances Barg, PhD

Family Medicine
Perelman School of Medicine

Dr. Barg received a BA from The George Washington University, an MEd from the University of Pittsburgh and a PhD in medical anthropology from the University of Pennsylvania. Her research, reflected in more than 210 peer reviewed publications, focuses on the use of innovative inductive and deductive research methods to uncover otherwise hidden factors that affect health related behaviors, health services utilization and the implementation and sustainment of evidence-based interventions.

Gordon A. Barr, PhD

Anesthesiology and Critical Care
Perelman School of Medicine

Gordon Barr received his BA in Psychology at Dickinson College and an MA and PhD in Psychology from Carnegie Mellon University. His research interests center on rapidly changing brain-behavior processes that occur during development, especially those mediating stress and pain and their reduction. He holds the James Battaglia Endowed Chair in Pediatric Pain Management and is Director of the Section of Acute and Chronic Pain Medicine.

John L. Bassani, PhD

Mechanical Engineering and Applied Mechanics
School of Engineering and Applied Science

Dr. Bassani earned his PhD at Harvard University, 1978, was MIT faculty 1978-1980, and has been at MEAM/Penn since 1980 (11 years as Chair) with appointments in MSE and AMCS as well as LRSM and PICS. He has held the Gabel Professorship since 1993 and visiting professorships at UCSB, Harvard, and Brown. His research focuses on theory and analyses of material behaviors from atomic to macroscopic scales in metals, polymers and biological materials.

Louis M. Bell Jr., MD

Pediatrics
Perelman School of Medicine

On retirement, Dr. Bell will remain the Associate Chair for Clinical Activities in the Department of Pediatrics at Children's Hospital of Philadelphia, where he is the Patrick S. Pasquariello, Jr., MD Chair in Pediatric Medicine. He has won numerous teaching awards including The School of Medicine Blockley-Osler Award for Excellence in teaching clinical medicine at the bedside and the 2009 Lindback Award for Distinguished Teaching, Penn's most prestigious teaching award.

Jean Bennett, MD, PhD

Ophthalmology
Perelman School of Medicine

Dr. Bennett received her BS from Yale University, her PhD from the UC, Berkeley, and her MD from Harvard Medical School. Her research focus is inherited retinal disease. Her team developed the first FDA-approved gene therapy for a genetic disease and she has received many awards and patents. Dr. Bennett has over 180 research publications and is a member of the NAM, the AAP, and the American Academy of Arts and Sciences.

Joel S. Bennett, MD

Hematology/Oncology
Perelman School of Medicine

Dr. Bennett received his BS and MD from the University of Michigan and was a medical house officer and Hematology-Oncology fellow at HUP. He discovered that fibrinogen binding to the integrin $\alpha\text{IIb}\beta\text{3}$ is responsible for normal primary hemostasis and for the thrombi that cause heart attacks and strokes. He has over 190 research publications, edited a textbook on hemostasis and thrombosis and is an elected member of the ASCI and the AAP.

Richard A. Berk, PhD

Criminology
School of Arts & Sciences

Richard Berk has been a professor in the Department of Criminology and in the Department of Statistics at the University of Pennsylvania. Professor Berk is an elected fellow of the American Association for the Advancement of Science and the American Statistical Association. He has worked on a wide variety of topics and applications in applied statistics.

Mary Frances Berry, PhD, JD

History
School of Arts & Sciences

Mary Frances Berry has been Geraldine R. Segal Professor of American Social Thought and Professor of History and of Africana Studies. In addition to a distinguished career in public service, she has revolutionized our understanding of race and gender in American history, law, and social policy. She has received numerous honors, including 35 honorary degrees, and serving as President of the Organization of American Historians.

Larissa T. Bilaniuk, MD

Radiology-CHOP
Perelman School of Medicine

Dr. Bilaniuk received an MD from Wayne State, completed a Radiology Residency at HUP, a Research Fellowship in Heidelberg, Germany, and a Neuroradiology Fellowship in Paris, France. As a neuroradiologist at HUP (1973-1989) and CHOP (1990-2021) who focused on ENT and Ophthalmologic radiology, she researched Neurofibromatosis 1, MRI of Fetal CNS, Canavan Disease, and 22q11.2 deletion Syndrome. She has published 282 articles, 48 chapters, edited 3 books, and is a fellow of ACR.

Lawrence W. Brown, MD

Neurology-CHOP
Perelman School of Medicine

Dr. Brown received his BA from Brandeis University, MD from NYU School of Medicine and completed fellowship/residency in pediatric neurology at CHOP. His practice focused on complex epilepsy, neuropsychiatry and sleep disorders. He held senior positions in the Child Neurology Society, Child Neurology Foundation, American Academy of Pediatrics, and American Academy of Neurology. He led the child neurology community's effort on medical transition to adulthood and continues to work on related advocacy projects.

Nancy J. Bunin, MD

Pediatrics
Perelman School of Medicine

Dr. Bunin received her BA from Penn (1976) and her MD from the University of Cincinnati (1980). She then performed her residency at Mott Children's Hospital, Michigan, and her fellowship in Hematology/Oncology at St. Jude's. She is the Medical Director of the Blood and Marrow Transplant Program at CHOP where she cares for patients who require a BMT. Her research interests are to improve outcomes and decrease risks for pediatric transplant patients.

Stephen B. Burbank

School of Law

Stephen B. Burbank, the David Berger Professor for the Administration of Justice, studies civil litigation and judicial behavior. He has authored or co-authored more than 100 articles and book chapters, and four books, including *Rights and Retrenchment: The Counterrevolution against Federal Litigation* (Cambridge 2017). Since 2002 Burbank has served as Special Master/System Arbitrator of the National Football League.

Joseph N. Cappella, PhD

Annenberg School for Communication

Joseph N. Cappella was Gerald R. Miller Professor of Communication. He studies persuasive messages in health, political, and policy contexts. He has directed 51 PhDs. The author of more than 200 articles and book chapters and four co-authored books, he is a Fellow and past President of the International Communication Association and a distinguished scholar of the National Communication Association.

Youhai H. Chen, MD, PhD

**Pathology and Laboratory Medicine
Perelman School of Medicine**

Dr. Chen received his MB and MSc degrees from Shandong University, and his PhD (1993) from the University of Manitoba. After postdoctoral training at Harvard, he joined the Penn faculty in 1995. He is now Dean of the School of Pharmaceutical Sciences at Shenzhen Institute of Advanced Technology. Dr. Chen's research interests include immunity, inflammation and cancer. He has authored more than 150 research articles and received the Colyton Prize for Autoimmune Research.

Eric K. Clemons, PhD

**Operations, Information and Decisions
The Wharton School**

Eric K. Clemons received his SB in Physics from MIT and his PhD in Operations Research from Cornell before joining Wharton Decision Sciences in 1976. At Penn, he taught Computer Programming, Information-Based Strategy, Simulation Modeling, and Military History. He was the leader in Wharton's early efforts in information-based strategy and eCommerce and ran a large multi-company project within the Jones Center from 1986 through 2008. The Jones Center work is the basis of his most recent book.

Alan R. Cohen, MD

**Pediatrics
Perelman School of Medicine**

Dr. Cohen received his BA from Harvard and his MD from Penn. He was Chief of Hematology and Chair of the Department of Pediatrics and Physician-in-Chief at CHOP and Penn. His research interests focused on hemoglobinopathies and iron overload. He served as Chair of the Board of Directors of the American Board of Pediatrics, and President of the Association of Medical School Pediatric Department Chairs and the American Society of Pediatric Hematology/Oncology.

David E. Cohen, MD

**Anesthesiology and Critical Care at CHOP
Perelman School of Medicine**

Dr. Cohen received his BA from Johns Hopkins University (1974) and his MD from the University of Maryland (1978), following which he did his residency in Pediatrics at CHOP and in Anesthesiology at the Hospital of the University of Pennsylvania. His fellowship was performed at CHOP in pediatric anesthesia and intensive care. His clinical and research interests are in pain management in infants and children, an area in which he has published widely.

Morris A. Cohen, MSc, PhD

**Operations, Information and Decisions
The Wharton School**

Dr. Cohen's research addresses the drivers of global supply chain sourcing strategy and product-service system modeling with a focus on performance-based incentives and buyer-supplier coordination to support resilience and agility. He has developed and implemented advanced optimization tools for supply chain resource planning. He holds a BAsC in Engineering Sciences from University of Toronto, an MSc in Industrial Engineering and a PhD in Operations Research from Northwestern.

Barry S. Cooperman, PhD

**Chemistry
School of Arts & Sciences**

Barry S. Cooperman studies the linkage between biological structure and function, using a broad array of chemical, physical, and biological tools. He has focused on ribosomes, ribonucleotide reductase, and serine proteinase inhibitors. As Vice Provost for Research from 1982 through 1995, he was responsible for the development and construction of the Roy and Diana Vagelos Laboratories: Institute for Advanced Science and Technology.

Helen Conrad Davies, PhD

Microbiology

Perelman School of Medicine

Dr. Davies earned her PhD in the Department of Biochemistry and Biophysics at Penn. She became Assistant Professor of Microbiology in the School of Medicine in 1971 and rose through the ranks to become Professor of Microbiology. As director of the course in Infectious Diseases, she earned the student government award for Excellence in Basic Science Teaching multiple times. She won many honors for her mentorship and encouragement of women and underrepresented minorities.

Joan DeJean

Romance Languages

School of Arts & Sciences

Joan DeJean was named Trustee Professor of Romance Languages in 1988. She was affiliated with GSWS and a member of the Comparative Literature and History Departments' Graduate Groups. She regularly taught for the Benjamin Franklin Scholars Program. She has published twelve books on French culture of the 17th- and 18th-centuries and has a new book forthcoming in 2022.

Daniel T. Dempsey, MD

Surgery Administration

Perelman School of Medicine

Dan Dempsey was born in Cambridge, NY and got an AB in classics at Princeton ('75). He received his MD from the University of Rochester and did his surgical training at Penn (GME '86). He has practiced GI surgery in Philadelphia for 35 years first at Temple (MBA '11) where he was chairman of surgery ('00-'11), and then at HUP where he was chief of GI surgery at Penn ('11-'21). He has 175 articles and chapters.

Marcella Devoto, PhD

Pediatrics

Perelman School of Medicine

Marcella Devoto received her PhD, in Statistics and Demography from the University of Bologna, and an MSc in Applied Statistics from Oxford. She held Associate Scientist positions at NY State Psychiatric Institute, Columbia, and Rockefeller. In Philadelphia, she was a Founding Member of the Center for Biomedical Informatics at CHOP. She has published widely on her research interests—the application of statistical methods to identify genes responsible for human disorders.

David F. Dinges, MS, MA, PhD

Unit for Experimental Psychiatry

Perelman School of Medicine

Dr. Dinges received his AB and MS from Benedictine College and his PhD (1976) from Washington University. He researches the effects of sleep loss in humans. He invented the Psychomotor Vigilance Test (PVT), authored 250 scientific papers and 155 other publications. He was awarded the NASA Distinguished Public Service Medal (highest NASA honor for a non-government employee), has been President of the World Sleep Federation, and served as Editor-in-Chief of the leading journal, *SLEEP*.

Peter Dodson, BSc, MSc, PhD

Biomedical Sciences

School of Veterinary Medicine

Peter Dodson is professor of anatomy in the School of Veterinary Medicine and of paleontology in Earth and Environmental Science. He holds two Canadian university degrees. After receiving his PhD in Geology and Geophysics from Yale, he has spent his entire 47-year career at Penn. With his students, he has worked in the field on four continents, and they have described eight new kinds of dinosaurs, most recently *Menefeeoceratops* from New Mexico.

Steven D. Douglas, MD

Pediatrics

Perelman School of Medicine

Dr. Douglas received his AB (1958) and MD (1963) from Cornell University. He also received training at Mt. Sinai, UCSF, and at the NIH. His research focused on human cellular immunology, and led to discoveries in macrophage and lymphocyte basic, translational and clinical science. He published over 500 articles and reviews in leading journals. Dr. Douglas is the recipient of major scientific awards and a fellow of AAS, AAM, and Member of ASCI.

Jehoshua Eliashberg, PhD

Marketing

The Wharton School

Jehoshua (Josh) Eliashberg came to Penn in 1982. He is the Sebastian S. Kresge Professor of Marketing and Professor of Operations and Information Management at the Wharton School. He received a BSc in Electrical Engineering from the Technion-Israel Institute of Technology at Haifa, an MBA from Tel-Aviv University, and a doctoral degree from Indiana University.

Susan S. Ellenberg, PhD

Biostatistics Division

Perelman School of Medicine

Dr. Ellenberg received her AB from Radcliffe College and PhD in mathematical statistics from The George Washington University. Her primary research focus is the design, conduct, and analysis of clinical trials. Before Penn, she held leadership positions at the NIH and the FDA. She is a Fellow of the American Statistical Association, the Society for Clinical Trials, and the AAAS, and has over 200 publications and a book on clinical trial data monitoring.

S. Walter Englander, PhD

Biochemistry and Biophysics

Perelman School of Medicine

Dr. Englander developed the field of hydrogen exchange (HX), methods, and interpretation, which has made it among the most powerful of molecular biophysical technologies. His many contributions to protein and nucleic acid biophysics, including protein folding, allostery, molecular energetics and dynamics have been recognized by honors, including election to the National Academy of Sciences, the American Academy of Arts and Sciences, the Founders Award of the Biophysical Society, and others.

Andrew E. Epstein, MD, FAHA, FACC, FHRS

Cardiovascular Medicine

Perelman School of Medicine

Andrew E. Epstein received his BA from Amherst College and MD from the University of Rochester. He interned in Medicine at Washington University/Barnes Hospital before a Fellowship in Cardiology at the University of Alabama. He holds professorial appointments at Penn and the VA. His research interests and expertise are in clinical trials and clinical cardiac electrophysiology, especially implantable defibrillators and pacemakers. He has published widely in his field.

Charles L. Epstein, PhD

Mathematics

School of Arts & Sciences

Charles L. Epstein, Thomas A. Scott Professor of Mathematics, has worked and published extensively in *Pure and Applied Analysis* and *Geometry*. He cofounded the graduate group in Applied Mathematics and Computational Science. A co-recipient of the Bergman prize, he is a fellow of the American Math Society and the American Association for the Advancement of Science. Starting in July 2021, he will be a Senior Research Scientist at the Flatiron Institute in New York.

Clark Erickson, PhD

Anthropology

School of Arts & Sciences

Clark Erickson is interested in how archaeology can provide a long-term perspective on environmental change, biodiversity, and sustainable management to understand the complex human history of the environment and cultural activities that have shaped the Earth. His contributions include the human role in contemporary biodiversity, indigenous knowledge systems, native agriculture, sustainable land use, and cultural landscape structure and aesthetics.

Mary T. Ersek, PhD, RN

Biobehavioral and Health Sciences

School of Nursing

Mary Ersek was Professor of Palliative Care in the School of Nursing with a secondary appointment at the Perelman School of Medicine. She will remain active on several research projects funded by the National Institutes of Health and the Department of Veteran Affairs. She also will lead quality improvement efforts to enhance the quality of end-of-life care for Veterans across the VA Health System.

Joni E. Finney, PhD

Higher Education Division

Graduate School of Education

Joni Finney was Professor of Practice and the Director of the Institute for Research and Higher Education (IRHE) at the Graduate School of Education (2008-2020). Finney works with state leaders on public policies to govern and finance American higher education. Finney pioneered the nation's first state-by-state report card on higher education, coauthored books, and is a resource for media.

Aron B. Fisher, MD

Physiology

Perelman School of Medicine

Dr. Fisher received his BSc from Dickinson College and MD from Penn. He served for 35 years as the Director of the Institute for Environmental Medicine and for 27 years as the chief of the Hyperbaric Medicine Clinical Practice. His research interests are in the turnover of lung surfactant and in oxidant stress and antioxidants. Dr. Fisher has over 260 publications of original research, over 90 other publications, and received the Lindback award.

Edna B. Foa, PhD

**Center for Treatment of Anxiety
Perelman School of Medicine**

Edna B. Foa is a Professor of Psychiatry and Founding Director of the Center for the Treatment and Study of Anxiety. Dr. Foa's academic career has been devoted to studying the psychopathology and treatment of anxiety and related disorders, primarily PTSD and OCD. The treatment program she developed for PTSD has been widely disseminated in the US and around the world.

Brian J. Forbes, MD, PhD

**Ophthalmology-CHOP
Perelman School of Medicine**

Brian J. Forbes received his BSc and PhD in Chemistry from Allegheny College and Penn State, and MD from Penn. His specialty is ocular trauma and abusive head trauma. He is site coordinator for the Pediatric Eye Disease and Investigative Trials and has published in the area of craniofacial disorders. He directs the Eye Division of the Craniofacial Specialty Clinic and the Ophthalmology Division of the 22Q and You program.

Samuel Freeman, PhD

**Philosophy
School of Arts & Sciences**

Samuel Freeman, the Avalon Professor of Humanities, studies social and political philosophy, ethics, philosophy of law, and the Constitution. He has written books on *Liberalism and Distributive Justice* (2018), *Justice and the Social Contract* (2007) and on the political philosophy of John Rawls (2007). He developed the Philosophy, Politics and Economics major at Penn. He is a Fellow of the American Academy of Arts and Sciences.

Diane J. Gaertner, DVM

**Pathobiology
School of Veterinary Medicine**

Diane Gaertner's expertise is the care and use of research animals. Prior to arriving at Penn in 2003, she worked in this capacity at Yale, Albert Einstein College of Medicine, and Yeshiva University. She has held leadership positions with the American College of Laboratory Animal Medicine, including as president, and she served as Editor of *Contemporary Topics in Laboratory Animal Science*. Dr. Gaertner became Penn's Associate Vice Provost for Animal Research in 2019.

David T. Galligan, BA, VMD, MBA

**Clinical Studies-New Bolton Center
School of Veterinary Medicine**

David Galligan is Professor of Animal Health Economics and the Marilyn M. Simpson Endowed Professor of Animal Health Economics at Penn Vet. He earned BA, VMD, and MBA degrees at Penn. His research addresses the economic value of veterinary issues in animal production. He is director of the Center for Animal Health and Productivity at New Bolton and director of the VMD/MBA combined-degree program. He is the recipient of a Lindback Award for Distinguished Teaching.

Edward I. George, PhD

**Statistics
The Wharton School**

Ed George was the Universal Furniture Professor and former Chair of the Department of Statistics at Wharton. Having received his PhD from Stanford University, he held previous faculty appointments at the University of Chicago and the University of Texas at Austin. He served as Co-Editor of *The Annals of Statistics*, as Executive Editor of *Statistical Science*, as President of ISBA, and is an elected Fellow of the ASA, IMS and ISBA.

Jeffrey S. Gerdes, MD, MBA

**Pediatrics
Perelman School of Medicine**

Dr. Gerdes earned his MD from Dartmouth, residency at Boston Children's, and fellowship in Neonatal/Perinatal Medicine at CHOP/Penn. A Professor of Pediatrics, he held leadership positions including Chief of Newborn Medicine at Pennsylvania Hospital and Associate Chair of Pediatrics at CHOP. He has over 100 scholarly publications. His overriding professional goal is to be an outstanding clinician providing care for babies and families.

John H. Glick, MD

**Hematology/Oncology
Perelman School of Medicine**

Dr. John H. Glick is the Madlyn and Leonard Abramson Professor of Clinical Oncology, Professor of Medicine, Vice President of UPHS and Associate Dean for Resource Development. Dr. Glick served as Director of Penn's Abramson Cancer Center from 1985-2006. Dr. Glick is a Master of the American College of Physicians and Fellow of the Royal College of Medicine (London). He is the past President of the American Society of Clinical Oncology.

Stanley Goldfarb, MD

Medicine

Perelman School of Medicine

Stanley Goldfarb received the MD degree from the University of Rochester and his Residency, Fellowship and an honorary MA from Penn. His clinical expertise and research interests lie in the area of Renal-Electrolyte and Hypertension. He is an experienced Nephrologist and is Professor in the Department of Medicine. He served as Associate Dean for Curriculum. He has published on various aspects of nephrology in Adults and Geriatrics.

Mark I. Greene, MD, PhD, FRCP

Pathology & Laboratory Medicine

Perelman School of Medicine

Dr. Greene received his MD and PhD from the University of Manitoba and is a FRCP (Canada). His research focuses on the design and synthesis of receptor-based therapeutics using crystallography and thermodynamic analyses. His work paved the way to the anti-cancer drug Herceptin and later identified several new genes relevant to the centrosome assembly pathway. He has won numerous awards and has published over 400 research publications and book chapters.

Harvey J. Grill, PhD

Psychology

School of Arts & Sciences

Harvey Grill is a behavioral neuroscientist whose work centers on defining the neural controls on food intake and body weight and in emphasizing its anatomically distributed nature. Grill is proud of training many scientists who have achieved successful academic careers, consulting for drug companies developing drugs to treat obesity and anorexia, and of having served in leadership roles in several scientific societies.

Monique Guignard-Spielberg, PhD

Operations, Information and Decisions

The Wharton School

Monique Guignard-Spielberg studied Mathematics at the University of Lille, France. Her thesis presented new optimality conditions known as the Guignard conditions, which proved later to be the most general possible. She joined the Penn faculty, Wharton, in 1972 in Statistics and OR, then moved to Operations, Information and Decisions in the early 80's. Her work in Integer Optimization is best known for the theory of Lagrangean decomposition.

Scott Harrington, PhD

Health Care

The Wharton School

Scott Harrington joined Wharton as lecturer in the Insurance Department in 1978, was appointed Assistant Professor in 1979, and promoted to Associate Professor with tenure in 1985. After leaving in 1988, he returned to Wharton in 2004 as Professor of Health Care Management and Insurance and Risk Management. He became the Alan B. Miller Professor in 2005 and served as Chair of the Health Care Management Department during 2014-2020.

Linda Antoinette Hatfield†, PhD, NNP-BC, FAAN

Family and Community Health

School of Nursing

Linda Antoinette Hatfield conducted research that changed scientific perceptions about the extent to which babies feel pain while they are receiving immunizations and was dedicated to implementing nursing research into practice. Through the NIH-designated Center of Excellence in Pain Education, she assisted in the development of a module for pain management in sickle cell disease and provided guidance on pediatric pain curricula.

†Posthumously: Date of Death: November 20, 2020

Paul A. Heiney, PhD

Physics and Astronomy

School of Arts & Sciences

Paul Heiney joined Penn as an Assistant Professor in 1982. His research has primarily involved the use of X-ray scattering to study partially ordered states of matter such as liquid crystals, quasicrystals, and fullerenes. He was one of the first at Penn to use Active Learning as a teaching strategy. In retirement he hopes to spend more time canoeing.

Robert C. Hornik, PhD

Physics and Astronomy

School of Arts & Sciences

Robert Hornik is the Wilbur Schramm Professor of Communication and Health Policy and taught at the Annenberg School for Communication since 1978. Principal Investigator for \$40+ million in grants, he led evaluations of 20+ public health communication campaigns worldwide. He served on five US National Academy of Sciences Committees, won Penn's Lindback award and is a Fellow of the International Communication Association.

James A. Hoxie, MD

**Hematology/Oncology
Perelman School of Medicine**

Dr. Hoxie has served as Professor of Medicine in the Hematology-Oncology Division at PSOM, where he specializes in medical aspects of leukemia therapy and bone marrow transplantation. He is the immediate past Director of the Penn Center for AIDS Research. Dr. Hoxie has an extensive background in HIV-related research. His CV lists over 170 publications, he has been PI of numerous NIH grants, and he is on the Editorial boards of many academic journals.

Hallam Hurt, MD

**Pediatrics-Neonatology
Perelman School of Medicine**

Dr. Hurt received her BS from Sweet Briar College and then her MD, internship, residency and fellowship training from the University of Virginia School of Medicine. She is a professor of pediatrics, the Education Director and attending neonatologist in the Neonatal Follow-up Program at Children's Hospital of Philadelphia's Buerger Center for Advanced Pediatric Care. Her research interests are understanding how poverty and other complex factors affect the lives of inner-city children.

Roberta R. Iversen, PhD, MSS

School of Social Policy & Practice

Roberta (Bobbie) Iversen's ethnographic and qualitative research since 1990 has explored and illuminated the challenges of low-earning families. Her 2006 book, *Jobs Aren't Enough*, showed how social institutions intersect to influence family mobility, for good and ill. Her forthcoming book, *Speaking of Work* (2021-22) presents 30 years of workers' experiences in common, often ignored, occupations and concludes with opportunity remedies.

Andrew Jackson, PhD

**Mechanical Engineering and Applied Mechanics
School of Engineering and Applied Science**

After retiring from a 35-year research career at ExxonMobil, Andy Jackson joined Penn as a Professor of Practice in 2010 and was an Eduardo D. Glandt Faculty Fellow. Andy taught courses on energy, tribology and statics and worked with Prof. Rob Carpick on tribology research. Andy is a member of NAE and a fellow of ASME, SAE, IMechE, and STLE.

Jeffrey F. Jaffe, BA, MBA, PhD

**Finance
The Wharton School**

Jeffrey Jaffe came to Penn in 1973, joining Wharton's Finance Department. He earned BA, MBA, and PhD degrees, all at University of Chicago. His research has addressed stock returns, earnings yields, market values, and insider trading.

Abbas F. Jawad, MSc, PhD

**Pediatrics
Perelman School of Medicine**

Dr. Jawad received his BA in Statistics from Al-Mustanseria University in Baghdad, Iraq, his MSc in Hygiene and his PhD in Biostatistics, both from the University of Pittsburgh. He is an Associate Professor of Biostatistics in Pediatrics at the Children's Hospital of Philadelphia. His research interests include clinical research studies involving Autism, ADHD, and psychosocial intervention development and evaluation.

Mark D. Joffe, MD

**Medicine
Perelman School of Medicine**

Dr. Joffe earned his AB in Biochemistry from Princeton University and his MD from Columbia College of Physicians and Surgeons. He is an Associate Professor of Pediatrics at the Children's Hospital of Philadelphia and the Director of Community Pediatric Medicine. His area of expertise is emergency medicine.

Madeleine M. Joullie, PhD

**Chemistry
School of Arts & Sciences**

Madeleine M. Joullie was born in France, but grew up in Brazil. She was one of the first woman to earn tenure in chemistry in the Ivy League. Her research interests are in the areas of heterocyclic, medicinal, and natural products chemistry. Her research has focused on the synthesis of natural products, and reagents for the visualization of latent fingerprints.

Roland G. Kallen, MD, PhD

**Biochemistry and Biophysics
Perelman School of Medicine**

Dr. Kallen received his BA from Amherst (1956), MD from Columbia (1960) and PhD from Brandeis (1965). He joined Penn in 1965. His research interests span fatty acid metabolism, mechanisms of action of vitamins and hormones, and voltage-gated ion channels. His contributions to Penn include mentoring faculty and students, chairing the Biomedical Review Committee of the URF, and serving as Chair of the Graduate Group in Biochemistry and Biophysics for a decade.

Donald B. Keim, PhD

**Finance
The Wharton School**

Donald Keim is the John B. Neff Professor of Finance. His research has dealt with asset pricing in capital markets and the behavior of institutional investors. At Penn, he was Director of the Rodney L. White Center for Financial Research, and was on the advisory board of Wharton Research Data Service (WRDS) and the Investment Committee of the Penn Tax-Deferred Retirement Plan. He received a PhD from the University of Chicago.

David W. Kennedy, MD, FACS, FRCSI

**Otorhinolaryngology
Perelman School of Medicine**

David W. Kennedy is a graduate of the Royal College of Surgeons, Ireland. He came to Penn after 17 years at Hopkins and served as Chair of the Department of Otorhinolaryngology and as Vice Dean for Professional Services. He has published over 250 articles and chapters. For his work pioneering endoscopic sinus surgery he was recognized as one of the 100 most influential surgeons of the 20th century by the ACS.

Richard E. Kihlstrom, PhD

**Finance
The Wharton School**

Rich Kihlstrom was the Ervin Miller-Arthur M. Freedman Professor of Finance. His economic research, focused on financial market equilibrium, information and uncertainty, and managerial incentives, was recognized by election as a fellow of the Econometric Society. He has chaired the Finance Department for the last 15 years.

Haewon C. Kim, MD

**Pediatrics-Hematology
Perelman School of Medicine**

Dr. Kim received her MD from Ewha Woman's University in Korea, completed her Pediatric Hematology/Oncology Fellowship at CHOP, and is Associate Professor of Pediatrics with joint appointments in Hematology and Transfusion Medicine at CHOP. In 1986 she founded CHOP's Hemapheresis program, one of the first pediatric programs in the nation, which has become world-renowned. She has over 60 publications and received Lecturer and Presidential Awards from the American Society for Apheresis.

Stephen E. Kimmel, MD, MSCE

**Medicine
Perelman School of Medicine**

Dr. Kimmel received his AB degree from Princeton, his MD from NYU, and his MSCE from Penn. His research interest is in cardiovascular epidemiology, particularly methods of improving use of existing therapies. He has published over 200 papers, and mentored numerous students and faculty. He is an elected member of the American Society for Clinical Investigation and a Fellow of both the American College of Epidemiology and the International Society of Pharmacoepidemiology.

Alexandre A. Kirillov, PhD

**Mathematics
School of Arts & Sciences**

Alexandre A. Kirillov is known for his works in the fields of Representation Theory, Topological Groups, and Lie groups. In 1962, Kirillov was the youngest Doctor of Science in the Soviet Union. Kirillov is an author of many popular school-oriented books and articles. In 2012, he became a fellow of the American Mathematical Society. He has presented three talks at International Congresses in Mathematics in 1962, 1966 and 1978.

Mitchel Allan Kling, MD

**Geriatrics
Perelman School of Medicine**

Dr. Kling received his BS from MIT and his MD, *cum laude*, from Harvard Medical School. He started residency training in Psychiatry at HUP, completing it at NIMH. He returned to Penn as Associate Professor of Psychiatry at HUP and VA in 2010. A Fellow of the Institute on Aging at PSOM, he conducts translational research on modifiable risk factors for Alzheimer's disease. He is a Life Fellow of the American Psychiatric Association.

J. Bruce Kneeland, MD

Radiology
Perelman School of Medicine

Dr. Kneeland received his BS from Stanford and his MD from Jefferson Medical College. His research has focused on MR imaging and its usage, and the application of artificial intelligence to the assessment of musculoskeletal disease. He has more than 150 papers and book chapters. He received the Bronze Medal of the International Skeletal Society, and he served as the chair of Radiology at Pennsylvania Hospital and the chief of musculoskeletal imaging at HUP.

Cameron J. Koch, PhD

Radiation Oncology
Perelman School of Medicine

Dr. Koch received his BSc (1968), MSc (1969), and PhD (1972) from the University of Waterloo, Ontario, Canada. His research interests are in the measurement of radioresistant hypoxic tumor cells in vivo, using a variety of approaches. He invented a drug, EF5, that allows doctors to determine the oxygen content of a tumor that will help doctors fine-tune cancer treatments to patients. Dr. Koch has over 200 research publications and over 10 patents.

W. Andrew Kofke, MD, MBA, FCCM, FNCS

Anesthesiology and Critical Care
Perelman School of Medicine

Dr. Kofke holds a BS in chemistry from Bucknell, an MD from Pitt, and an MBA from West Virginia. He completed an anesthesia-critical care residency/fellowship at MGH. His research has dealt with anesthetic action/excitotoxicity, and neuro-monitoring. He is chair of the International Council on Perioperative Neuroscience Training (ICPNT). He was a cofounder of the UPenn Neuro ICU and participated in the inception of UPenn simulation. Dr. Kofke has over 100 research publications and two books.

Abba M. Kreiger, PhD

Statistics
The Wharton School

Abba Krieger received his BS in Mathematics from MIT in 1972 and PhD in Statistics from Harvard in 1974. He has been at Penn since 1974 and is retiring as the Robert Steinberg Professor of Statistics. He chaired the Department of Statistics and is a Fellow of three statistical societies. Dr. Kreiger received numerous teaching awards, including the Lindback, and the Anvil and Hauck awards at Wharton.

Anthony S. Kroch, PhD

Linguistics
School of Arts & Sciences

Tony Kroch has focused his linguistic studies on the formal analysis of natural language syntax, historical syntax, and syntax-semantics interfaces. Some of the fundamental questions that Professor Kroch is interested in include: How and why do grammars change over time and what can we learn about such changes through statistical analysis of the language of historical documents? He was elected a Fellow of the Linguistic Society of America.

J. Richard Landis, PhD

Biostatistics and Epidemiology
Perelman School of Medicine

Dr. Landis received his MS and PhD in Biostatistics from UNC, Chapel Hill. His research includes categorical data methods for repeated measures and agreement. He has led Data Coordinating Centers for large, multicenter clinical research network cohort studies and clinical trials. He has over 220 research publications, is a Fellow of the ASA, and an elected member of the ISI. He is the founding Director of the Division of Biostatistics at Penn Medicine (1997-2019).

John D. Landis, PhD

City Planning
Weitzman School of Design

As Crossways Professor of City and Regional Planning, Professor Landis works on a variety of urban development topics. His current and recent research focuses on metropolitan equity, gentrification and neighborhood change, affordable housing, sprawl and growth management, and smart cities technologies. Professor Landis also chaired the Department of City & Regional Planning.

Steven C. Larson, MD

Emergency Medicine
Perelman School of Medicine

Dr. Larson received his BA (1983) from Haverford College, and his MD (1988) from Penn. He performed his residency at Graduate Hospital and his fellowship at HUP. He is a cofounder, and the Executive Director, of Puentes de Salud, a nonprofit organization that promotes the health, education, and wellness of Philadelphia's Latinx immigrant population. Dr. Larson serves on the Governing Council of the International Health Medical Education Consortium (IHMEC, now GHEC).

Risa Lavizzo-Mourey, MD, MBA

**Division of Health Policy
Perelman School of Medicine**

Dr. Lavizzo-Mourey is the Robert Wood Johnson Foundation Population Health and Health Equity Professor Emerita at Penn. She is the President Emerita and Former CEO of the Robert Wood Johnson Foundation. Dr. Lavizzo-Mourey has directed Penn's Institute on Aging and was Chief of Geriatric Medicine. She has worked on the White House Health Care Reform Task Force and served on numerous federal advisory committees. She is a Fellow of the NAM, AAAS and APS.

Walter Licht, PhD

**History
School of Arts & Sciences**

As the Walter H. Annenberg Professor of History, Dr. Licht wrote several books on the history of work and labor markets. His books won awards and he received the Ira Abrams Memorial Prize for Distinguished Teaching. He chaired the History Department and served as Associate Dean. Dr. Licht was Faculty Director of Civic House and founded the Penn Civic Scholars Program.

Stephen A. Liebhaber, MD

**Genetics
Perelman School of Medicine**

Dr. Liebhaber received his BA from Brandeis, his MD from Yale, and is boarded in Internal Medicine and Hematology. He completed two postdoctoral fellowships in molecular biology prior to joining the Department of Genetics at Penn. His research at Penn focused on eukaryotic gene regulation within the anterior pituitary and the hematopoietic lineage. He is a fellow of the ASCI and AAP and has published over 190 papers, book chapters, and scientific reviews.

Jon Martin Lindstrom, PhD

**Neuroscience
Perelman School of Medicine**

Dr. Lindstrom received his BA from the University of Illinois and his PhD from the University of California, San Diego. His research interests are in nicotinic receptors (AChRs) and myasthenia gravis (MG). He patented a diagnostic assay for MG, and developed an animal model and a specific immunosuppressive therapy MG. He has 451 research publications. He is a fellow of the AAAS and Trustee Professor of Neuroscience.

Ian S. Lustick, PhD

**Political Science
School of Arts & Sciences**

Ian S. Lustick is Professor of Political Science and holds the Bess W. Heyman Chair. He is the author or editor of twenty books and scores of articles on Middle East politics, international relations, comparative politics, social science methodology, evolution, and agent-based computer modeling. He is a founder and past president of the Association for Israel Studies.

James H. Lytle, MA, EdD

**Executive Education and Professional Development
Graduate School of Education**

James H. Lytle's research interests relate to increasing the efficacy of urban public schools and leading school reform efforts. Most recently, his work focused on school and district leadership, the emergent marketization of public education, urban school reform, and the intersection of school leadership and entrepreneurship. He served as superintendent for the Trenton (New Jersey) Public Schools from 1998 to 2006.

Maureen G. Maguire, PhD, FARVO

**Ophthalmology
Perelman School of Medicine**

Dr. Maguire received a BA in mathematics from Rider University and ScM and PhD in Biostatistics from the Johns Hopkins Bloomberg School of Public Health. Her research interest is the design, conduct, and analysis of multicenter clinical research studies. Dr. Maguire has over 300 research publications. She has received awards for service and research contributions from the American Academy of Ophthalmology, the Macula Society, and the Retina Society.

Francis K. Mante, BDS, MS, PhD, DMD, MA (Hon)

**Preventive and Restorative Sciences
Penn Dental Medicine**

Francis Mante's current research interests involve development of a new resin based endodontic retrograde filling material, strategies for reducing friction in orthodontic appliances and the development of superior appliances that facilitate the movement of teeth during treatment. Additionally, he also researches improvement of fracture toughness of dental composites and is investigating the use of liquid rubbers as toughening agents for dental composites.

Thornton B. A. Mason, MD, PhD, MSCE

Neurology-CHOP

Perelman School of Medicine

Dr. Mason received his MD from the Medical College of Virginia followed by an internship at Tulane University and a residency at Columbia-Presbyterian Medical Center. He first came to Penn as a fellow at the Children's Hospital of Philadelphia. His research interests are in genetic etiologies of pediatric sleep dysfunction and neurological issues in pediatric sleep medicine. He has over 40 publications in his specialty and has authored two book chapters.

Anuradha Mathur, BArch, MLA

Landscape Architecture and Regional Planning

Weitzman School of Design

Anuradha Mathur is Professor Emeritus in the Department of Landscape Architecture at the Weitzman School of Design. She is author with Dilip da Cunha of *Mississippi Floods: Designing a Shifting Landscape* (2001); *Deccan Traverses: The Making of Bangalore's Terrain* (2006); *Soak: Mumbai in an Estuary* (2009), and co-editor of *Design in the Terrain of Water* (2014). She is currently working with da Cunha on a book and exhibition titled 'Ocean of Rain.'

Franz M. Matschinsky, MD

Biochemistry and Biophysics

Perelman School of Medicine

Dr. Matschinsky received his medical education at the Freiburg Albert Ludwig and the Munich Ludwig Maximilian Universities (1953-1961). He held appointments at the Washington University Medical School (1965-1978) before joining Penn. His research and publications focused on intermediary metabolism, glucose homeostasis and Diabetes Mellitus. The significance of this work was recognized by the 1995 Banting Medal of the ADA and the 2020 Rolf Luft Award by the Karolinska Institute.

David C. Metz, MBBCh

Gastroenterology

Perelman School of Medicine

Dr. Metz received an MBBCh from the University of the Witwatersrand, South Africa. Following residency and gastroenterology fellowship, he joined Penn in 1993 and became Professor in the GI division in 2003, where he held administrative roles and co-directed the esophageal, acid-peptic, and neuroendocrine tumor programs. He has over 200 publications and was a member of the FDA CDER advisory board, president of NANETS, and a fellow of the AGA.

Charles W. Mooney

School of Law

Charles W. Mooney, Jr., Charles A. Heimbold, Jr. Professor of Law; BA University of Oklahoma; JD, Harvard Law; 14 years law practice, 1972-86; Penn Law, 1986-present, Interim Dean, 1999-2000; chair-elect, chair, past chair, Faculty Senate, 2003-06; research/scholarship/publications on bankruptcy, commercial/finance, and international business law; represented U.S. government at five diplomatic conferences for commercial law treaties; law reform, state and federal.

James L. Mullen, MD

Surgery

Perelman School of Medicine

Dr. Mullen graduated from Harvard before a 58-year career at Penn (only interrupted by 2 years in the Air Force during Vietnam). His main research interests have been in nutrition and metabolism, particularly in cancer patients. His clinical practice focused on GI critically ill referral patients. During his career, he has held many administrative positions including Interim Chair, Vice Chair, Director Surgery Residency, co-founder Penn Home Infusion, and HUP Associate Executive Director.

Irving Nachamkin, DrPH, MPH, D(ABMM), FAAM, FIDSA

Pathology & Laboratory Medicine

Perelman School of Medicine

Dr. Nachamkin is a graduate of the University of Bridgeport (BS, 1975) and University of North Carolina (MPH, 1978; PhD, 1980). After a medical microbiology fellowship, he joined Penn in 1982 in Pathology and Laboratory Medicine and was Division Chief of Laboratory Medicine (2009-2020). His research is in clinical microbiology and he has over 200 publications. He is a fellow of the American Academy of Microbiology, IDSA, and College of Physicians of Philadelphia.

Susan C. Nicolson, MD

Anesthesiology and Critical Care

Perelman School of Medicine

Dr. Nicolson received her undergraduate degree from Russell Sage College. From the 3rd year of medical school on, she has done all her training and spent her entire career at Penn and The Children's Hospital of Philadelphia. Her research interest is answering the many unanswered questions in congenital cardiac care. Dr. Nicolson has over 175 research publications and has mentored many of the current and future leaders in congenital cardiac anesthesia.

Bert W. O'Malley Jr., MD

Otorhinolaryngology

Perelman School of Medicine

Dr. O'Malley served as the Gabriel Tucker Professor and Chair, Department of Otorhinolaryngology – Head and Neck Surgery and as Vice President of the University of Pennsylvania Health System, Physician Executive of Penn Specialty Physicians, and Director of the Penn Specialty Network. His clinical and research expertise is in the treatment of head and neck cancer. In 2020, he was named President and CEO of the University of Maryland Medical Center in Baltimore.

Ann Lawrence O'Sullivan, PhD, FAAN, CRNP

Family and Community Health

School of Nursing

Ann L. O'Sullivan is the Dr. Hildegard Reynolds Endowed Term Professor of Primary Care Nursing since 1972 with an appointment in SOM Pediatric Department-Division of Primary Care since 1987. She is a Lindback awardee teacher, practitioner at CHOP, a funded researcher on delaying 2nd pregnancies in adolescents, and a national advocate for full scope of practice for NP's.

Howard B. Panitch, MD

Pediatrics-Pulmonary

Perelman School of Medicine

Dr. Panitch received his BA from Penn and his MD from Pittsburgh. He completed a residency in Pediatrics at The Children's Hospital of Pittsburgh and a Fellowship in Pediatric Pulmonology from St. Christopher's Hospital for Children. His research is in developmental causes of respiratory failure. His clinical focus is the care of children with chronic respiratory failure. He has won teaching awards from Penn and CHOP and has over 140 peer reviewed publications.

Mark V. Pauly, PhD

Health Care Management

The Wharton School

Mark V. Pauly is the Bendheim Professor in the Department of Health Care Management. He also holds appointments in the College (Economics) and the Medical School (Health Policy and Medical Ethics). He is Co-editor-in-chief of the *International Journal of Health Care Finance and Economics* and Co-editor of the *Handbook of Health Economics, Volume 2*. Dr. Pauly was President of the International Health Economics Association and the American Society of Health Economists.

Stephen R. Perry, DPhil, LLB

School of Law

Stephen Perry is the John J. O'Brien Professor of Law & Professor of Philosophy. He is a prominent legal philosopher and legal theorist. Before taking up his current position at Penn, he taught at McGill University and NYU Law School. He has published numerous well-regarded articles on jurisprudence, political philosophy, and theoretical aspects of the law of torts.

Stephen P. Phipps, PhD

Earth and Environmental Science

School of Arts & Sciences

Stephen P. Phipps is retiring from Earth and Environmental Sciences as an Associate Professor. His publications include: *Bathysiphon (Foraminiferida) Aat Pacheco Pass, California: A Geopetal, Paleocurrent, and Paleobathymetric Indicator in the Franciscan Complex*; *Tectonic Implications of Diverse Igneous Blocks in Franciscan Melange, Northern California and Southwestern Oregon*; and *Significance of Serpentine Mud Volcanism in Convergent Margins*.

David A. Piccoli, MD

Pediatrics-Gastroenterology, Hepatology & Nutrition

Perelman School of Medicine

Dr. Piccoli received his BA from Johns Hopkins and his MD from Harvard. He came to CHOP in 1983 for a pediatric gastroenterology fellowship. His research interests include Alagille Syndrome and IBD. His awards include the Lindback, Blockley-Osler, Yandel Mentor, PSOM Academy of Master Clinicians, and the Murray Davidson Award from AAP. He has been the Division Chief of Pediatric Gastroenterology, Hepatology and Nutrition and an Associate Chair for Pediatrics for 25 years.

David P. Pope, PhD

Materials Science and Engineering

School of Engineering and Applied Science

David Pope's research focused on the properties of high temperature intermetallic alloys. He served two terms as Associate Dean in the School of Engineering and Applied Science and chaired both the Mechanical Engineering and Applied Mechanics Department and the Materials Science and Engineering department. He also served as University Ombudsman.

Reed E. Pyeritz, MD, PhD

**Translational Medicine and Human Genetics
Perelman School of Medicine**

Dr. Pyeritz obtained a PhD (1972) and an MD (1975) from Harvard. After a residency in Internal Medicine, he joined Johns Hopkins as a medical geneticist, rising to Professor. He joined Penn as Professor of Medicine in 2001. He became the William Smilow Professor of Medicine in 2013 and was chair of the University Faculty Senate in 2015. His academic and clinical interests involve the hereditary aortopathies, especially the Marfan syndrome.

Virginia B. Reef, DVM

**Clinical Studies-New Bolton Center
School of Veterinary Medicine**

Virginia Reef's DVM, Ohio State University's College of Veterinary Medicine 1979, was followed by PennVet internship, residency and ACVIM(LAIM), ACVSMR board certification. She received the Mark Whittier and Lila Griswold Allam Professor of Medicine chair (2002), ACVIM Robert W. Kirk award (2013), AAEP distinguished educator award (2015), doctor "h.c." Ghent University (2016), Frank J. Milne State-of-the-Art lecturer (2018), and honorary Cardiology diplomate (ACVIM 2019).

Barbara Riegel, PhD, RN, FPCNA, FHFSA, FAHA, FAAN

**Biobehavioral and Health Sciences
School of Nursing**

Barbara Riegel is the Edith Clemmer Steinbright Professor of Gerontology in the School of Nursing and Co-Director of International Center for Self-Care Research, with self-care broadly defined as treatment adherence, condition monitoring, and symptom management. She developed theory and measures of self-care used worldwide. She has received numerous awards including Distinguished Scientist Award from American Heart Association, Sigma Theta Tau International Nurse Researcher Hall of Fame, and Lindback Award.

Alain H. Rook, MD

**Dermatology
Perelman School of Medicine**

Dr. Alain Rook obtained his BA at Brandeis and MD from University of Michigan. He trained in Internal Medicine and Nephrology, followed by 7 years at the National Institutes of Health studying viral immunology, the last several years with Dr. Anthony Fauci. He trained in Dermatology at Penn and was named the first Albert Kligman Term Professor, for 35 years. He is the author of more than 250 scientific articles and book chapters.

Paul R. Rosenbaum, PhD

**Statistics
The Wharton School**

Paul Rosenbaum has been on the faculty in Statistics at Wharton since 1986. He is the author of four books, most recently *Replication and Evidence Factors in Observational Studies* (2021). For contributions to causal inference, the Committee of Presidents of Statistical Societies (COPSS) gave him the R. A. Fisher award in 2019 and the George W. Snedecor Award in 2003.

Ronald C. Rubenstein, MD, PhD

**Pediatrics
Perelman School of Medicine**

Dr. Rubenstein received his SB from the Massachusetts Institute of Technology and his MD and PhD in Pharmacology from the UT Southwestern Medical Center in Dallas. His research focused on the development of mechanism-based therapies for Cystic Fibrosis (CF), which was foundational for the recent approval of modulator therapies for CF. Dr. Rubenstein published over 75 manuscripts, directed the CF Center at Penn, and held numerous leadership roles at the CF Foundation.

Michael R. Rudnick, MD

**Renal-Electrolyte and Hypertension
Perelman School of Medicine**

Dr. Rudnick is Associate Professor of Medicine at the Presbyterian Medical Center/PSOM. He received his BA in Biology from LaSalle College in 1968 and his MD from Drexel University College of Medicine in 1972. He completed his residency at UPHS in 1976. A nephrologist, he specializes in renal-electrolyte disorders, hypertension, and dialysis. His research interests and publications focus on contrast media injury to the kidney.

Pamela L. Sankar, PhD

**Medical Ethics and Health Policy
Perelman School of Medicine**

Dr. Sankar has a BA from the University of Michigan in the History of Ideas. She began her graduate training in Anthropology and Communications at Boston University and completed her PhD at Penn. She is a Senior Fellow at the Leonard Davis Institute of Health Economics. Her research interests, in which she has published widely, have included medical privacy and confidentiality, ethical and cultural implications of genetic research, and genetics and race.

Barbara D. Savage, JD, PhD

**Africana Studies
School of Arts & Sciences**

Barbara D. Savage was the Geraldine R. Segal Professor of American Social Thought in the Department of Africana Studies where she served as inaugural chair. She wrote two award-winning books and co-edited two others in 20th century African American history. She was elected 2018-2019 Harmsworth Visiting Professor in American History at Oxford. She served as a member of search committees for Penn's President, Provost, and Chaplain.

James A. Serpell, BSc, PhD

**Clinical Sciences & Advanced Medicine
School of Veterinary Medicine**

James Serpell has held the Marie A. Moore Chair of Animal Welfare and Ethics at Penn Vet since 1993. A long-term resident of University City, Serpell teaches ethics to veterinary students, and has authored or co-authored over 200 scientific publications. He is also the creator of the widely used Canine Behavioral Assessment and Research Questionnaire or C-BARQ (www.cbarq.org).

Jeremy Siegel, PhD

**Finance
The Wharton School**

Professor Siegel graduated from Columbia in 1967 and received his PhD in Economics from MIT in 1971. He joined Wharton in 1976 after teaching at University of Chicago. He has published three books, including the best-seller *Stocks for the Long Run*. He has won numerous awards for financial research, and in 1994 received the highest teaching rating in a world-wide poll ranking business school professors conducted by Business Week.

Michael B. Simson, MD

**Medicine
Perelman School of Medicine**

Dr. Simson is the Samuel Bellet Associate Professor of Medicine. He received his BA (1966) from Harvard College and his MD (1970) from Harvard Medical School. He completed both his residency and fellowship at Pennsylvania Hospital. His clinical practice focused on adult congenital heart disease and cardiac electrophysiology. His research interests include signal averaged electrocardiography and he has published over 50 research publications.

Abigail L. Smith, AB, MPH, PhD

**Pathobiology
School of Veterinary Medicine**

Abigail L. Smith attended Brown University and then received MPH and PhD degrees in infectious disease epidemiology/virology from Yale University. She was on the faculty at the Yale SOM for 19 years, where she worked on the pathogenesis and diagnosis of viruses of laboratory rodents. She worked at The Jackson Laboratory (Bar Harbor, ME) prior to coming to Penn as Professor of Pathobiology (SVM) in 2004.

David Stuart Smith, MD, PhD

**Anesthesia
Perelman School of Medicine**

Dr. Smith received his BA from Oakland University and his MD/PhD from the Medical College of Wisconsin. His Residency in Anesthesia and his Fellowship in Neuroanesthesia were at HUP. His academic and clinical interest is on the provision of anesthesia care to patients undergoing brain and spinal cord surgery. He coauthored 36 peer reviewed papers. During his 41 years at Penn, he served as the Neuroanesthesia section chief for 19 years.

Herbert L. Smith, PhD

**Sociology
School of Arts & Sciences**

Herbert L. Smith is former Director of the Population Studies Center and Associate Dean for the Social Sciences. He was Président, Commission d'Évaluation, Institut National d'Études Démographiques (France). He was elected to the Sociological Research Association and received the early career achievement award from the Population Association of America. His research interests include the design of social and demographic studies, the experimental model, causation, representation, measurement, and matching.

Kim Smith-Whitley, MD

**Pediatrics-Hematology
Perelman School of Medicine**

Dr. Smith-Whitley received her MD from The George Washington University. She is Director of the Comprehensive Sickle Cell Center, Clinical Director of the Division of Hematology, and holds the Elias Schwartz Endowed Chair in Hematology. Her clinical and research focus is on sickle cell survivorship: predicting and preventing long-term, chronic, and life-threatening complications, on which she has published widely. In 2010 she received the Blockley-Osler Award for excellence in teaching at the bedside.

Susan B. Sorenson, PhD

School of Social Policy & Practice

Susan B. Sorenson has published widely in the epidemiology and prevention of violence, including homicide, suicide, sexual assault, child abuse, battering, and firearms. She helped establish violence against women as a public health issue and furthered the study of firearms as a consumer product. A primary focus of her work is the social context in which violence occurs, specifically, the norms that shape whether and how violence is tolerated.

Brian J. Spooner, DPhil

Anthropology
School of Arts & Sciences

Dr. Spooner's anthropological research interests have included ecology and rural development, nomadism, religion, carpet weaving, and the history of the Persian language, mainly in Iran, Afghanistan and Pakistan, but also to some extent in India, Iraq, Sri Lanka, Tajikistan, China, and Kenya. He also served as Curator for Near Eastern Ethnology at the Penn Museum, Director of the Middle East Center, and co-Director of the Lauder Institute.

Richard A. Stone, MD

Ophthalmology
Perelman School of Medicine

Dr. Stone received his BA from Harvard College and MD from Columbia University. After completing Ophthalmology Residency at Washington University and serving at the National Eye Institute, he joined Penn's faculty as a physician-scientist where he remained throughout his career. He cared for patients with glaucoma, taught students, residents and fellows, and conducted basic, transitional and clinical research, primarily in ocular pharmacology and the control of eye growth and refraction.

Joel E. Streim, MD

Geriatrics
Perelman School of Medicine

Dr. Streim earned his MD degree from the University of Rochester. Dr. Streim's research, teaching and clinical career at Penn has focused on older adult populations with medical and psychiatric co-morbidity, and physical and cognitive disability. He was Program Director of the Geriatric Psychiatry Fellowship and is a Past President of the American Association for Geriatric Psychiatry. He has testified before Congress and the Senate Special Committee on Aging on geriatric mental health.

Mark J. Stern, PhD

School of Social Policy & Practice

Mark J. Stern is professor of social policy and history at the University of Pennsylvania. An historian by training, his scholarship covers United States social history, poverty and social welfare policy, and the impact of the arts and culture on urban neighborhoods. Stern is co-founder and principal investigator of the Social Impact of the Arts Project (SIAP), a research group at Penn's School of Social Policy & Practice.

Gihan Indragith Tennekoon, MBBS, LRCP, MRCS, FANA

Neurology
Perelman School of Medicine

Dr. Tennekoon received his MBBS (Medicine) from the University of London, England, with an Internal Medicine residency at Johns Hopkins School of Medicine. He is a Professor of Neurology and previous Chairman of the Division of Neurology at Children's Hospital of Philadelphia. His major clinical interest is neuromuscular disease, and his main research interest is stem cell biology and neurofibromatosis. Dr. Tennekoon has over 110 research publications.

Margo Todd, PhD

History
School of Arts & Sciences

Margo Todd is the Walter H. Annenberg Professor of History, specializing in early modern English and Scottish history and in the culture of Reformed (Calvinist) Protestantism in Britain and early America. Todd is the author of *Christian Humanism and the Puritan Social Order, Reformation to Revolution*, and *The Culture of Protestantism in Early Modern Scotland*, which received the Longman History Today Prize for book of the year.

Raymond R. Townsend, MD

Renal-Electrolyte and Hypertension
Perelman School of Medicine

Dr. Townsend received his BA from LaSalle, MD from Hahnemann, and completed IM residency at Allegheny General in Pittsburgh and Nephrology fellowship at Temple. He has certifications in IM, Nephrology, Clinical Pharmacology, and Hypertension. He is a fellow of the AHA and was AHA Physician of the Year in 2017. His clinical research has focused on arterial stiffness. He has over 400 publications, edited several textbooks, and is currently a Fulbright Scholar in Spain.

Michael Useem, PhD

**Management
The Wharton School**

Michael Useem is the William and Jacalyn Egan Professor of Management and faculty director of the Center for Leadership and Change and McNulty Leadership Program at the Wharton School. He works on catastrophic and enterprise risk management, corporate change and restructuring, leadership, decision making, and governance. He is the author of numerous books and has won multiple teaching awards. Mike is also co-anchor of the weekly program “Leadership in Action” on SiriusXM Business Radio.

Keith W. Weigelt, PhD

**Management
The Wharton School**

Keith Weigelt is the Marks-Darivoff Family Professor and Professor of Management at Wharton. He has been at Penn since 1988. Professor Weigelt earned BA and MBA degrees at Michigan State and a PhD at Northwestern. His research interests include compensation, corporate strategy, game theory, and the economics of sports. He has been the recipient of numerous teaching awards while at Wharton.

John W. Weisel, PhD

**Cell and Development Biology
Perelman School of Medicine**

John Weisel received his BS from Swarthmore College and his PhD in Biophysics from Brandeis University. His research covers a variety of aspects of blood clotting and hemostasis, with the primary focus on molecular and cellular mechanisms of fibrin polymerization, fibrinolysis, platelet aggregation and clot contraction, and the correlations with clinical implications including bleeding, thrombosis and embolization. Some unique structural and biophysical methodology has been developed to carry out this research.

Ralph F. Wetmore, MD

**Otorhinolaryngology-Head and Neck Surgery
Perelman School of Medicine**

Dr. Wetmore received his BA from Franklin and Marshall College (1972) and his MD from University of Pennsylvania School of Medicine (1976). He completed his residency in Otorhinolaryngology at UPHS in 1981. He served as professor of Otorhinolaryngology: Head and Neck Surgery at PSOM and was division chief of otorhinolaryngology at CHOP for many years. His research interests include a variety of pediatric otorhinolaryngology disorders as reflected in his publications and book chapters.

Alexander Steven Whitehead, DPhil

**Pharmacology
Perelman School of Medicine**

Dr. Whitehead graduated BSc in Zoology and DPhil in Biochemistry and Genetics from the Universities of Edinburgh and Oxford respectively. After faculty positions at Harvard University and Trinity College (Dublin), he undertook research into the Pharmacogenetics of folate and other B vitamins at Penn. He is a former Helen Hay Whitney Foundation Fellow and Pew Scholar in the Biomedical Sciences and is an elected member of the European Molecular Biology Organization.

Hugh H. Williams, PhD

**Physics and Astronomy
School of Arts & Sciences**

Hugh H. Williams is the Mary Amanda Wood Professor of Physics. His research focuses on studies of elementary particles with the goal of understanding Nature at the most elemental level. Among many other accomplishments, his most significant contributions to physics include a major role in the discovery of the top quark and of the Higgs boson.

David F. Wilson, PhD

**Biochemistry and Biophysics
Perelman School of Medicine**

Dr. Wilson received a BS degree in Chemistry from Colorado State University and a PhD in Biochemistry from Oregon State University. His research interest is in energy metabolism, particularly mitochondrial oxidative phosphorylation, and metabolic regulation. He is co-inventor of the phosphorescence lifetime method for measuring oxygen and holds several US and international patents. Dr. Wilson has over 400 research publications and has edited one book.

Bryan A. Wolf, MD, PhD

**Pathology-CHOP
Perelman School of Medicine**

Dr. Wolf received his MD and PhD from the University of Paris, followed by post-doctoral and residency training at Washington University (St. Louis). His research interest is in the signaling mechanisms of insulin secretion. Dr. Wolf has over 110 research publications and 41 reviews. At CHOP, Dr. Wolf held a number of leadership positions, most recently as its chief scientific officer focusing on CHOP’s overall research strategy.

Richard B. Womer, MD

Pediatrics-Oncology

Perelman School of Medicine

Dr. Womer received his BA and MD from the University of Rochester, was a resident in pediatrics at the University of Virginia, and a pediatric hematology/oncology fellow at Great Ormond Street Hospital in London and at CHOP. He joined the CHOP staff and the Penn faculty in 1985. His clinical focus has been pediatric solid tumors, and he has pursued clinical and translational research on sarcomas (connective tissue tumors).

Robert D. Yaro

City Planning

Weitzman School of Design

Bob Yaro is Professor of Practice Emeritus at the University of Pennsylvania. Before coming to Penn, he taught at Harvard and the University of Massachusetts / Amherst. He is also President Emeritus of Regional Plan Association. He is also Chairman of the Herreshoff Marine Museum and President of the North Atlantic Rail Alliance.

Marc Yudkoff, MD

Pediatrics-Genetics

Perelman School of Medicine

Dr. Yudkoff received his BA from the University of Chicago and his MD from NY Medical College. His research interest is in inborn errors of metabolism. He developed a stable isotope method for the in vivo assay of ureagenesis that is a standard in clinical studies of gene therapy for urea cycle defects. Dr. Yudkoff authored over 200 research publications and reviews. He is a member of the ABB, SIMD, ACMG, and ABHG.



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