

EMERITUS PROFESSORS

2017

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Emeritus Professors

2017

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Albert H. Beth, Ph.D.

Professor of Molecular Physiology and Biophysics, Emeritus

Albert H. Beth is a native Kansan but grew up in Western Kentucky before earning his bachelor's degree in chemistry at Murray State University in 1974. He came to Vanderbilt to earn a doctorate in physical chemistry in 1977. His graduate studies focused on the development of chemical probes and the associated methodology that can be used to probe macromolecular structures using electron paramagnetic resonance (EPR) spectroscopy. For postdoctoral studies, Professor Beth joined the Department of Physiology, where he explored the application of these approaches to understanding protein structure. This work laid a foundation for Beth's pioneering career that continued to push the technical envelope in the design and interpretation of EPR data to provide unique insights into the structural mobility of membrane proteins. He published more than eighty papers and chapters on this topic. His early work was recognized with a Searle Scholar Award, and his contributions were later rewarded with a Merit Award from the NHLBI and election as a fellow of the AAAS.

Professor Beth also had very active international service roles in the International EPR Society, as a member of external Advisory Boards at several institutions, and as a member and/or chair of numerous NIH study sections and review panels. Locally, Professor Beth took the major leadership role in developing the unique Chemical and Physical Biology (CPB) program to recruit graduate students with training in the physical sciences (e.g., chemistry, physics, math, computer science and engineering) to enter graduate school and perform biomedical research. This inevitably led to the development of a Chemical and Physical Biology graduate program, with Professor Beth again taking the major leadership role and then serving as the founding director for six years. His dedication to graduate education is also evidenced by his having served on the dissertation committees for seventy doctoral students. In addition, he was instrumental in the development of a robust community of biophysicists and structural biologists at Vanderbilt, serving as the chair of several successful faculty search committees, and as the vice chair and then chair of the Department of Molecular Physiology and Biophysics for many years. Finally, he made a significant commitment to service on the School of Medicine admissions committee and the appointments and promotions committee.

Paul E. Bock, Ph.D.

Professor of Pathology, Microbiology, and Immunology, Emeritus

Paul E. Bock received his bachelor of arts in biology from the University of California, San Diego, and his doctorate from Washington University School of Medicine, St. Louis. He completed postdoctoral training at the University of Bristol in the United Kingdom and at the Henry Ford Health Sciences Center in Michigan. He is a creative scientist recognized internationally for his research on mechanisms of enzyme regulation within the blood coagulation cascade. He has developed innovative approaches to probe critical protein-protein interactions and delineate the mechanisms of activation of serine proteases involved in clotting. Professor Bock has maintained an active, productive, and well-funded research program for over twenty-five years and has mentored a number of graduate students and postdoctoral fellows. He has authored more than eighty peer-reviewed publications, reviews, and book chapters. He is an outstanding lecturer and has frequently been invited to be the keynote speaker at national and international meetings. In 2003, he was selected to receive a prestigious Method to Extend Research in Time (MERIT) Award, given by the National Institutes of Health to a very select group of researchers. In 2013, he was elected a fellow of the American Association for the Advancement of Science for his contributions to understanding the action of proteases that mediate blood coagulation.

Throughout his career, Professor Bock has been actively involved in graduate education. He was an innovator in the classroom and helped develop and teach graduate courses on scientific communication and on the molecular basis of vascular disease. He served as director of the Vascular Biology Training Grant and as associate director of a training grant funding underrepresented minorities for summer research experiences.

John M. Braxton, D.Ed.

Professor of Leadership, Policy, and Organizations, Emeritus

John M. Braxton has two major programs of research. One program centers on the study of college and university faculty members and focuses on faculty scholarly role performance and the normative structures of undergraduate college teaching and research. His other program of research focuses on the college student experience in general and the college student departure process in particular. Within this program of research, Professor Braxton conducts research on college student departure, assesses current theory on college student departure, and constructs and tests theory on this phenomenon.

Professor Braxton has published more than 110 publications in the form of articles in refereed journals, books, and book chapters. Of his books, five are full-length co-authored, and twelve are edited books. His full-length books include *Rethinking College Student Retention* (with William Doyle, Harold Hartley, Amy Hirschy, Willis Jones, and Michael McLendon), *Professors Behaving Badly* (with Eve Proper and Alan Bayer), *Faculty Misconduct in Collegiate Teaching* (with Alan Bayer), and *Institutionalizing a Broader View of Scholarship Through Boyer's Four Domains* (with William Luckey and Patricia Helland). Professor Braxton served as the ninth editor of the *Journal of College Student Development* for seven years from 2008 to 2015. He currently serves as an associate editor for *Higher Education: A Handbook of Theory and Research*. He has served on the editorial boards for the three core journals of higher education as a field of study: the *Journal of Higher Education*, *Research in Higher Education*, and the *Review of Higher Education*. He is also a past president of the Association for the Study of Higher Education.

For his outstanding contributions to knowledge that advances the understanding of higher education, Professor Braxton received the Research Achievement Award bestowed by the Association for the Study of Higher Education and the Contribution to Knowledge Award given by the American College Personnel Association (ACPA)–College Student Educators International.

During his twenty-five-year career at Vanderbilt University, Professor Braxton has served on the Faculty Senate and as chair of the Peabody Faculty Council. Professor Braxton received the Chancellor's Cup in 2009.

Vivien A. Casagrande, Ph.D.

Professor of Cell and Developmental Biology, Emerita

Vivien A. Casagrande was appointed an assistant professor at Vanderbilt University School of Medicine in 1975, in the Department of Anatomy. She rose through the ranks, becoming a professor in 1986. She held a secondary appointment in the Department of Psychology and was an investigator in the Vanderbilt Kennedy Center for Research on Human Development and the Vanderbilt Brain Institute. She was instrumental in the initiation and realization of the Neuroscience graduate program at Vanderbilt and played an important role in the Vanderbilt Vision Research Center. She had a longstanding interest in neuroscience education and co-directed the medical school's Systems Neuroscience course. She served twice as president of the Middle Tennessee chapter of the Society for Neuroscience.

In the course of her research, Professor Casagrande brought innovative technologies to Vanderbilt, including optical imaging of the cerebral cortex and multi-electrode recording, which helped her answer a broad range of questions about the organization of the visual system and the coding of visual information. Her work has helped to reveal the origin of nearsightedness (myopia) and provided the mechanistic basis for diseases that cause blindness, including macular degeneration, cataracts, glaucoma, and diabetic neuropathy. Recently, Professor Casagrande published a groundbreaking paper in *Nature Neuroscience* (2012) that identified a novel linkage between specific areas of the visual cortex and the thalamus that controls the ability of the visual system to focus. The Faculty of 1000 highly recommended this paper.

Professor Casagrande was funded continuously by the National Eye Institute since she first joined Vanderbilt over thirty-five years ago. She published more than 100 articles in peer-reviewed journals and contributed meaningfully to nearly every textbook written on the visual system. In 1981, she received the Charles Judson Herrick Award from the American Association of Anatomists, and she became a fellow of the association in 2011. She was past-president and a board member of the Cajal Club, the nation's oldest neuroscience society, and was a fellow of the American Association for the Advancement of Science. In 2012, she received Vanderbilt's Charles R. Park Award, and in 2013 she won the Chancellor's Award for Research.

Professor Casagrande died peacefully at her home in Nashville, on January 21, 2017, at the age of 74. She will be greatly missed by all who knew her.

Larry R. Churchill, Ph.D.

Professor of Medical Ethics, Emeritus

Larry R. Churchill joined the Vanderbilt faculty in July 2002 as the Ann Geddes Stahlman Professor of Medical Ethics. He has played a major role in developing the medical ethics educational program in the School of Medicine and has greatly influenced the undergraduate medical admissions process and the scholarly and research direction of the Center for Biomedical Ethics and Society.

Professor Churchill was for seven years the course director for the required Ecology of Health course in year one of the School of Medicine curriculum and has done extensive teaching throughout the undergraduate medical curriculum. He has lectured and led residency-training conferences, notably in the Departments of Medicine, Surgery, and Ophthalmology. He has been consistently engaged in determining the best ways to teach medical ethics in Curriculum 2.0.

Professor Churchill's work with the admissions committee includes many years as an interviewer of applicants. He also wrote and field-tested the Ethical Skills Inventory currently used as part of the admissions interview process. This instrument is unique to Vanderbilt.

He is a member of National Academy of Medicine (elected 1991) and a fellow of The Hastings Center (elected 2000). His most recent books (with David Schenck and Joseph Fanning) are *Healers: Extraordinary Clinicians at Work* (2012) and *What Patients Teach: The Everyday Ethics of Health Care* (2013), both from Oxford University Press. He is currently at work on *Handbook of Ethics: Skills and Strategies for Moral Inquiry*. His work has also been featured by popular media outlets such as *USA Today* and *Bill Moyers Journal*. He is the author or editor of eleven books and more than 130 articles or book chapters. He has lectured extensively in the U.S. and in Canada, Spain, the United Kingdom, the former German Democratic Republic (East Germany), and China.

Paul A. Cobb, Ed.D.

Professor of Education, Emeritus

Paul A. Cobb joined the Vanderbilt faculty in 1992 and has taught and conducted internationally recognized research on this campus for decades. He holds an endowed Peabody Chair in Teaching and Learning, is an honorary professor at the Australian Catholic University in Brisbane, Australia, is a fellow of the National Academy of Education, and is the 2010 winner of the Sylvia Scribner Award of the American Educational Research Association.

Professor Cobb's early research in mathematics education advanced our knowledge of how teachers orchestrate tasks, assessments, and whole group discussion to create classroom "norms" for learning and using mathematics. His more recent research shows how to support the improvement of mathematics instruction at district scale. In Professor Cobb's view, research in mathematics education has rarely focused explicitly on understanding the process of improving mathematics teaching and learning at scale. This is problematic given that the history of educational reform efforts in the U.S. has generally been one of failure. He and colleagues are collaborating with four urban school districts on research that adds value to their reform efforts by providing actionable feedback on their improvement efforts.

Professor Cobb's teaching and graduate advisement have been excellent, and his contributions to the field of mathematics education, by reviewing for journals and federal research agencies, has been strong.

Arthur F. Dalley II, Ph.D.

Professor of Cell and Developmental Biology, Emeritus

Arthur F. Dalley II was appointed professor in the Department of Cell and Developmental Biology and director of Medical Gross Anatomy and the Vanderbilt Anatomical Donations Program at the Vanderbilt University School of Medicine in 1998. He held adjunct appointments in orthopaedic surgery and at the Belmont University School of Physical Therapy. His work at Vanderbilt was preceded by twenty-four years at the Creighton University School of Medicine and a one-year sabbatical at the Mayo Clinic. He received a bachelor of science (zoology) and a doctorate (anatomy) from the University of Utah.

His Vanderbilt student and peer teaching awards include Excellence in Teaching and Research for Innovations in Educational Programming Proven to be Effective, election to the AΩA Medical Honor Society and the Vanderbilt Academy for Excellence in Education, recognition as a Master Basic Sciences Teacher, and the 2017 Graduating Class Shovel Award. His national awards include the AAMC/AΩA Robert J. Glazer Distinguished Teacher Award (2004).

Professor Dalley co-authored multiple (and current) editions of the textbooks *Moore's Clinically Oriented Anatomy*, *Essential Clinical Anatomy*, *Grant's Atlas of Anatomy*, *Frank H. Netter M.D. Atlas of Human Anatomy*, and *Clinical Anatomy Cases*, which have been translated into as many as eleven languages. He is the gross anatomy specialist for the *Stedman's Medical Dictionaries*. He was designer and content editor for educational software including *Dynamic Human Anatomy* and the *Frank H. Netter M.D. Interactive Atlases of Human Anatomy and Clinical Anatomy*.

A member of the American Association of Anatomists since 1973, Professor Dalley has served on the Board of Directors and the Senior Advisory Board for the journal *Anatomical Educator*. He was awarded the AAA's highest educator honor, the Henry Gray Distinguished Educator Medal, and was named a fellow of the AAA in 2015. He is a founding member of the American Association of Clinical Anatomists, for which he served in all executive offices and on the editorial board of the journal *Clinical Anatomy*. He also received the AACCA's highest honors, Honored Membership and the R. Benton Adkins Jr. Distinguished Service Award. He was a member of the committee formulating the 2009 AAMC/Howard Hughes Medical Institute report, "Scientific Foundations for Future Physicians."

William W. Damon, Ph.D.

Professor of Economics, Emeritus

William W. Damon has made important contributions in teaching, scholarship, and service throughout his forty-one years at Vanderbilt University. He received his doctorate in Finance, Managerial Economics, and Operations Research from Cornell University in 1970 and was appointed by Vanderbilt as an associate professor of economics in 1976. His scholarly research focused on the mathematical modeling of organizations, with an emphasis on organizational design and the flow of information within organizations. His work has appeared in leading journals, such as *Management Sciences*, *Decision Science*, the *Journal of Finance*, and *Operations Research*.

Professor Damon is a gifted teacher. Comments such as “best professor I’ve had at Vanderbilt” and “his humor and dry wit make the subject interesting” are typical among student responses, as well as the observation that his courses provided great preparation for life and career. He was the first recipient of the Jeffrey Nordhaus Award for Excellence in Undergraduate Teaching from the College of Arts and Science in 1982. He subsequently received the university’s Madison Sarratt Prize for Excellence in Undergraduate Teaching in 1986.

Professor Damon’s record of service is exemplary. He served as associate dean of the College of Arts and Science from 1987–1989 and as chair of the Department of Economics and Business Administration from 1989–1997. He served two terms as a member of the Faculty Senate, including a term as chair in 1986–1987, and five terms on the Arts and Science Faculty Council. He also has been executive director of the American Economic Association.

His dedication to the study of organizational form led to his founding of the Managerial Studies program in 2000. He served as director of the program from 2000–2012 and has continued to date as its associate director, faculty mentor, and cornerstone. His wisdom, campus knowledge, and sensitivity to the “Vanderbilt way” has provided his colleagues with sound guidance and support. The program’s results speak to this: 3,469 students taking MGRL courses in AY 2016/17 and 455 minors awarded at 2016 graduation.

During his many years at Vanderbilt, Bill Damon has been actively involved in the administration and governance of Vanderbilt, and the results of his efforts can be found throughout the university.

Dale Clark Farran, Ph.D.

Professor of Education, Emerita

Dale Clark Farran holds the Antonio M. and Anita S. Gotto Chair in Teaching and Learning and has a secondary appointment as a professor in the Department of Psychology and Human Development at Peabody College of education and human development. She is also the interim director of the Peabody Research Institute. Professor Farran has been involved in research and intervention for high-risk children and youth for her entire professional career. She was a researcher for ten years with the Abecedarian Project at the Frank Porter Graham Child Development Center at UNC-Chapel Hill in North Carolina, and for three years with the Kamehameha Schools Early Education Project in Hawaii. Before coming to Vanderbilt in 1996, she chaired the Department of Human Development and Family Studies at the University of North Carolina at Greensboro. She was an inaugural fellow of the American Educational Research Association and is a fellow in the American Psychological Society. At Vanderbilt, she was named the Alexander Heard Distinguished Service Professor in 2008.

Professor Farran is the editor of two books, both dealing with risk and poverty, the author of more than eighty journal articles and book chapters, and a regular presenter at national conferences. Her research has been extremely well funded over the years by the Institute for Education Sciences and the National Institutes of Health, as well as several foundations. Her recent research emphasis has been on evaluating the short- and long-term effectiveness of alternative preschool programs for preparing children from low-income families to be successful in school. Currently, she is directing a longitudinal evaluation of Tennessee's pre-kindergarten program and a longitudinal follow up of mathematical development from pre-K through eighth grade, is a member of the DREME network investigating coherence of early math instruction, and is conducting an evaluation of Tennessee's Preschool Expansion Grant.

Marc G. Froment-Meurice, Ph.D.

Professor of French, Emeritus

Marc G. Froment-Meurice spent twenty years as a member of the Vanderbilt Arts and Science faculty in the Department of French and Italian at the rank of professor. His contributions to the university and the academic world are remarkable in content and variety, mixing theoretical oeuvres on literature, philosophy, poetry, philology of language, music and literature, and arts and literature. His writings reflect a creative talent in literature and philosophy. He authored a dozen critically acclaimed books (including *Incitations* [2002], *La Chimère: Tombeau de Nerval* [2001], *C'est à dire: Poétique de Heidegger—That Is To Say: Heidegger's Poetics* [1996]) and at least fifty articles, and delivered as many conference papers.

Professor Froment-Meurice taught and team-taught a variety of graduate seminars and undergraduate courses in the Department of French and Italian, the Department of Philosophy, and the Program in Comparative Literature. His research and teaching focused on literary criticism, German and French philosophers, literary theory, and French grammar. He also directed and served as a chair and committee member for numerous dissertations.

During his career at Vanderbilt, Professor Froment-Meurice served as chair of French and Italian (2001–2002) and as director of the W. T. Bandy Center for Baudelaire and Modern French Studies (2000–2003).

Marc Froment-Meurice was born in Tokyo, Japan, where his father was ambassador of France. He was exposed early on to international cultures and peoples, to traveling and relocating, to exchange of ideas, to various geographies including in Russia, and Egypt, and in general to the broadening of the mind. He earned two doctorates in philosophy (Doctorat d'État, University of Nice, 1992, and Ph.D., Paris-VIII, 1979), in addition to master of arts and bachelor of arts in philosophy (Paris-X, 1975 and 1974). Before joining the Vanderbilt faculty in 1996, he taught as a visiting professor at various U.S. and Canadian universities including Louisiana (1995–1996), California at Irvine (1993), Montreal (1992), and Washington (1989–1991). In France, he served as editor and reader for the Editions Gallimard (Paris, 1980–1989).

F. Andrew Gaffney, M.D.

Professor of Medicine, Emeritus

During his unique and distinguished career, Dr. Andrew Gaffney has made wide-ranging contributions to Vanderbilt and to academic cardiology in general. He is particularly well known for his work in cardiovascular physiology, space medicine, and patient safety. He began his academic career at University of Texas Southwestern Medical Center, where he developed a research program around the use of space microgravity to study cardiovascular regulation. This work became a key project for the NASA SpaceLab science mission. In 1991, he flew on the Space Shuttle Columbia as an astronaut-scientist. The experiments on this mission formed the basis for a series of papers published in journals such as the *New England Journal of Medicine*, *JAMA*, and the *American Journal of Physiology*.

In 1992, Dr. Gaffney was recruited to Vanderbilt, where he has served in multiple key leadership roles and contributed to the robust growth of the clinical programs in cardiology. From 1992 to 1998, he served as the chief of clinical cardiology at Vanderbilt University Medical Center (VUMC), overseeing a doubling of the clinical faculty and the development of robust programs in general and interventional cardiology. He led the division in the implementation of clinical protocols for a broad range of conditions and was an early champion of the “patient care center” concept. He was also instrumental in establishing outreach programs at multiple sites outside Davidson County. Between 2002 and 2007, Dr. Gaffney was the associate dean for clinical affairs and chief quality and patient safety officer for VUMC. In that role, he led efforts to monitor clinical quality and identify improvement opportunities, to implement standardized mortality review processes, and to establish the Rapid Response Teams.

Dr. Gaffney has earned numerous national honors and invitations to participate in national committees on space medicine and patient safety. For instance, he has served on the National Academy of Sciences (NAS) Committee on Space Biology and Medicine and as a senior flight-surgeon astronaut in the USAF Reserve. He has an adjunct professor appointment at the Karolinska Institutet in Stockholm, where he has led numerous initiatives on patient safety and quality improvement in Northern Europe.

Ted S. Hasselbring, Ed.D.

Professor of Special Education, Emeritus

Ted S. Hasselbring's contributions to the field of special education, Peabody College, and Vanderbilt University have been truly outstanding. For over thirty years, Professor Hasselbring has conducted research on the use of technology for enhancing learning in students with disabilities who are at risk of school failure. Between 1982 and 2000, he was a faculty member in the Department of Special Education where he served as the co-director of the Learning Technology Center at Vanderbilt and conducted research on using technology for providing instruction in reading and math. This research has resulted in several widely used computer intervention programs for struggling learners, including READ 180, System 44, iRead, FASTT Math, and Simon SIO. Among these, the READ 180 program is used nationally to help struggling readers in middle and high school. He joined the University of Kentucky in 2000 as the William T. Brian Professor and Endowed Chair in Special Education Technology. While there, he served as the executive director of the National Assistive Technology Research Institute. He returned in 2006 to the Vanderbilt faculty to resume his technology intervention research and development.

Professor Hasselbring is the former president of the Technology and Media Division of the Council for Exceptional Children; a former member of the National Academy of Sciences Committee on Goals 2000 and the Inclusion of Students with Disabilities, the National Governor's Association Committee on Improving High Schools, and Japan's National Institute of Special Education; and a current board member of the George Lucas Education Foundation. In 2015, he received the Joe B. Wyatt Distinguished University Professor Award from Vanderbilt University.

Craig Anne Heflinger, Ph.D.

Professor of Human and Organizational Development, Emerita

Craig Anne Heflinger is known nationally in the area of children's mental health for her research and for her advocacy promoting the use of data-driven policy to improve children's health services. Originally trained as a clinical/community psychologist, she focused her community-based research on child and adolescent mental health and substance abuse treatment, including the impact of policy changes, disparities in services access for vulnerable populations, and factors influencing service use, including stigma and caregiver strain. In her recent work, she has examined rural behavioral health service delivery in Tennessee, Mississippi, and Hawaii. She has consulted with several states on their Medicaid programs for children and services for children in state custody and has provided expert witness testimony in federal court on these issues. She also has served on many advisory boards concerning TennCare, community agencies serving special-needs populations including Tennessee Voices for Children, and several national advisory boards on related research areas.

In addition to her role as a professor in the Department of Human and Organizational Studies, she served as director of graduate studies for her department and associate dean for graduate education at Peabody College. She has been an active member of the Vanderbilt University Graduate Development Network to build professional and personal development resources for graduate and professional students, including her development of the GradLeaf website.

Professor Heflinger could be classified as a "Quad-Dore"—a three-time Vanderbilt graduate herself (bachelor's degree, master's degree, doctorate) as well as a long-term faculty member. She started her faculty career as a research associate professor at the Vanderbilt Institute for Public Policy Studies in 1989 and, in 2000, joined the faculty in the Department of Human and Organizational Development at Peabody College. She is married to R. Scott Heflinger (B.E., M.E.), whom she met as an undergraduate at Vanderbilt.

John F. Johns, M.S.

Professor of Guitar, Emeritus

John F. Johns has served as an associate professor of guitar and chair of the Department of Guitar since the inception of the Blair School's collegiate program in fall 1986. Before that, he was an assistant professor in the School of Music at George Peabody College for Teachers (starting in 1976) and artist teacher of guitar at the Blair School of Music (1980–1986). Professor Johns was active in the development of the Blair School of Music as a collegiate program of Vanderbilt University. He served as the founding chair of the guitar department, and his students have been successful in a variety of professional endeavors. Professor Johns himself has continued to provide valuable service to the Blair School and the university throughout his career, most recently as chair of the Blair School Faculty Review Committee for a number of years.

As a classical guitarist, Professor Johns has performed throughout the United States and abroad. His recording of solo guitar music (*John Johns Plays Bach, Bennett, Brouwer and Others*) received international acclaim in leading guitar periodicals and journals. He has appeared on numerous television and radio programs, including several programs on National Public Radio. In 2000, Professor Johns was the featured American performer at the Kautalus Guitar Association's Guitar Festival in Nice, France, and he made his Paris debut at a concert presented by the Organization for Economic Cooperation and Development for U. S. Ambassador Amy L. Bondurant. He has performed, as well, at the Chitarra Imperia International Guitar Festival in Imperia, Italy.

Professor Johns has been an extraordinarily effective teacher and citizen of Vanderbilt University for more than thirty years, and he is widely recognized as an accomplished performing artist.

Cathy L. Jrade, Ph.D.

Professor of Spanish, Emerita

Cathy L. Jrade joined the Vanderbilt faculty in 1987. She received her doctorate from Brown University in 1974 and achieved tenure and promotion to associate professor there in 1982. At Vanderbilt, she was promoted to the rank of professor in 1998, and, in 2007, she was appointed Chancellor's Professor of Spanish.

Professor Jrade is the author of three highly influential books in the field of Spanish American Modernismo, an important, if not central, literary movement in Latin America: *Delmira Agustini, Sexual Seduction, and Vampiric Conquest; Modernismo, Modernity and the Development of Spanish American Literature*; and *Rubén Darío and the Romantic Search for Unity: The Modernist Recourse to Esoteric Tradition*. She is currently working on a fourth monograph on the highly acclaimed Argentine poet Juan Gelman (1930–2014); the book project is temporarily titled *The Poetry of Juan Gelman*.

She has rigorously placed modernismo's major figures in their historical context. In doing so, she helped to change the definition of the movement from one purely concerned with aesthetic form to one with an important social, cultural, and political dimension. Peers from the best departments in her field consider her to be "the foremost authority in the U.S. on the axial movement that is Latin American modernismo" and "without a doubt the leading expert in this country on modernismo," who has "altered our attitudes to Modernismo and its legacy."

Over her distinguished career, Professor Jrade has received many awards and commendations including a fellowship from the National Endowment for the Humanities and the distinguished scholar award from Hofstra University, among others. At Vanderbilt, she has mentored more than fifteen graduate students, a majority of whom have gone on to teach at universities and colleges throughout the United States.

Notably, she served as chair of the Department of Spanish and Portuguese for more than fifteen years (between 1998 and 2014), and she is greatly responsible for its sterling reputation today. Sixty percent of the department's current faculty were hired under her direction and supervision. Also at Vanderbilt, she chaired the promotions and tenure review committee twice and was a member of the advisory committee to the Board of Trust search for a new chancellor in 2007. Nationally, Professor Jrade has served in many prestigious capacities, notably as a member of the executive council of the ADFL and as an external reviewer of several Spanish departments.

Richard Lehrer, Ph.D.

Professor of Teaching and Learning, Emeritus

Richard Lehrer received a bachelor of science in biological sciences from Rensselaer Polytechnic Institute, and, after several years as a high school science teacher, a doctorate in educational psychology and statistics from the University of New York at Albany. Before joining the faculty at Peabody College in 2002, he was the Sears-Bascom Professor of Education at the University of Wisconsin–Madison in the Department of Educational Psychology. He pursued collaborative research with teachers in a local Madison school district for seventeen years, investigating the long-term potential of data, space, and geometry as vital components of elementary mathematics education. With his colleague Leona Schauble, and again in concert with teachers, he investigated how to leverage children’s mathematics education to promote development of model-based reasoning in sciences at the elementary school.

At Peabody College, he is the Frank Mayborn Professor of Education in the Department of Teaching and Learning. His current interests center around the design and analysis of classroom learning environments that introduce children to powerful ideas and practices in STEM disciplines. This research is oriented toward understanding how children experience and interpret STEM ideas and practices in light of their changing capabilities and interests as they develop.

Professor Lehrer has served on several National Research Council (National Academies of Science) committees convened to study relationships between the assessment of STEM learning in K–12 and current understandings of the learning sciences. He also served on a national study of integrated STEM learning sponsored by the National Academies of Science and Engineering and contributed to the development of K–12 national standards in mathematics (“Common Core”) and sciences (“Next Generation”). Lehrer is a member of the National Academy of Education, a fellow of the American Educational Research Association, and the 2009 recipient of the American Psychological Association’s Award for Distinguished Contributions in Applications of Psychology to Education. He is committed to the prospects and necessity of public education in a democratic society.

Charles F. Maguire, Ph.D.

Professor of Physics, Emeritus

Charles F. Maguire earned his bachelor of science in physics from Iona College in 1966 and his doctorate in experimental nuclear physics from Yale University in 1973. From 1973 to 1975, he was a postdoctoral fellow at the 88-inch cyclotron at Lawrence Berkeley Laboratory.

Professor Maguire joined Vanderbilt University in 1975 as an assistant professor in the Department of Physics and Astronomy with a mandate to establish a new program in heavy ion reaction mechanisms. These experiments used the 25-megavolt accelerator at the Oak Ridge National Laboratory.

In 1989–1990, Professor Maguire took a sabbatical leave at the CRNS laboratory in Strasbourg. On returning to Vanderbilt, he set up a group dedicated to the field of relativistic heavy ion studies. Professor Maguire was appointed in 1992 as a Detector Council member for the PHENIX experiment at the Relativistic Heavy Ion Collider. He supervised a group of fifty people developing the computer program PISA (PHENIX Integrated Simulation Application). This detector modeling system, still in use today, is a basis for all PHENIX data analyses.

In 2007, Professor Maguire guided the creation of the Tier-2 computing facility funded by the U.S. Department of Energy for the relativistic heavy ion group in the Compact Muon Solenoid (CMS) experiment at the Large Hadron Collider. This Tier-2 facility began operation in 2011, embedded in ACCRE on the Vanderbilt Peabody College campus. It is the primary facility for analyzing CMS heavy ion physics. The Vanderbilt Tier-2 computing facility also analyzed proton collision data taken by CMS. These analyses helped confirm the Higgs boson discovery, announced in July 2012, which led to the award of the 2013 Nobel Prize in physics to two Higgs boson theorists. Professor Maguire is among 3000 authors on the Higgs boson CMS paper. He is an author on more than 1000 other papers, in several hundred of which he had a leading analysis role.

Professor Maguire leaves behind a vibrant relativistic heavy ion experimental group, to be led by Professors Vicki Greene and Julia Velkovska. These colleagues were the first women faculty hired into the Department of Physics and Astronomy at Vanderbilt. The group has fostered the careers of numerous students and postdocs who are now leading figures in the relativistic heavy ion community.

Larry May, Ph.D.

Professor of Philosophy, Emeritus

Larry May has taught at Vanderbilt for eight years and has published two books a year during that period. He received his doctorate in 1977 from the New School for Social Research, where he was Hannah Arendt's last research assistant. He also earned a juris doctorate in 2000 from Washington University. He is a well-liked teacher, especially among graduate students, and has served the department in various roles including as director of graduate studies.

Professor May is internationally known for his work in political philosophy and legal theory, specifically in the areas of just war theory and the moral foundations of international criminal law. In the former area, he is the only person to have twice won the Frank Chapman Sharp Prize of the American Philosophical Association for work in the philosophy of war and peace. In addition, he was invited to produce *The Cambridge Handbook of the Just War*. He largely founded the area of the moral foundations of international criminal law with four authored monographs, published by Cambridge University Press.

He has been honored four times with conferences in Europe on his work: twice at The Hague, once in Leiden, and once at St. Andrews, Scotland. He has often spoken at conferences in Oxford and was honored to be the main speaker inaugurating a new Oxford center for ethics and war. His books have won awards in philosophy, political science, and law, and his books and articles have been translated into many languages, including French, Spanish, Italian, German, Serbian, Chinese, Japanese, and Korean.

Professor May has been active in the committees of the American Philosophical Association (APA). He has chaired three committees and served on the board of directors of the APA, as well. He has advised many groups, including the CIA and the U.S. State Department, and, while in a research professorship in Australia, he was invited to meet with members of the Australian High Court to discuss his recent work.

Harold L. Moses, M.D.

Professor of Cancer Biology, Emeritus

Harold L. (Hal) Moses is a graduate of Berea College and Vanderbilt University School of Medicine. Dr. Moses was a faculty member at the Mayo Medical School of the Mayo Clinic in Rochester, Minnesota, for twelve years. He was then founding chair of the Department of Cell Biology at Vanderbilt for thirteen years. His most recent appointment was as interim chair of the Department of Cancer Biology. He was the founding director of the Vanderbilt-Ingram Cancer Center, which he led for twelve years; he is now director emeritus. He has served as president of the American Association for Cancer Research, president of the Association of American Cancer Institutes, chair of the National Institutes of Health (NIH) Chemical Pathology Study Section, chair of the NIH Molecular Oncogenesis Study Section, and chair of the National Cancer Institute Cancer Centers review panel. He is a member of the National Academy of Medicine and was founding chair of the academy's National Cancer Policy Forum. He is a national associate of the National Research Council of the National Academies of Science, Engineering, and Medicine and an elected member of the National Academy of Inventors.

Dr. Moses is known for co-discovering transforming growth factor- β (TGF- β), for being the first to demonstrate that TGF- β is an inhibitor of cell proliferation, for elucidating signaling mechanisms involved in TGF- β growth inhibition, for demonstrating that TGF- β signaling is tumor suppressive, and for demonstrating that TGF- β signaling regulates the inflammatory tumor microenvironment. His laboratory has published more than 300 peer-reviewed papers, and he has received many awards for his group's research. These include two Outstanding Investigator Awards from the National Cancer Institute, the Esther Langer Award for Meritorious Cancer Research from the University of Chicago, the Rous-Whipple Award from the American Association of Pathologists, the John H. Exton Award for Research Leading to Innovative Biological Concepts from Vanderbilt, the Harvey Branscomb Distinguished Professor Award from Vanderbilt, the T. J. Martell Foundation Lifetime Medical Research Award, the Earl Sutherland Prize for Achievement in Research from Vanderbilt, the American Association for Cancer Research (AACR) Lifetime Achievement in Cancer Research Award, and election as a fellow of the AACR Academy.

Marilyn L. Murphy, M.F.A.

Professor of Art, Emerita

Marilyn L. Murphy has been a professor of art at Vanderbilt University since 1980. She earned her bachelor of fine arts at Oklahoma State University and her master of fine arts at the University of Oklahoma. In 1986, Professor Murphy became the eighth woman to be granted tenure in the College of Arts and Science. In addition, she was the first woman and first studio artist to be chair of the Department of Art and Art History. Professor Murphy helped to oversee the design and construction of the Ingram Studio Art Center and served as the first chair of the new Department of Art with the creation of the studio art major. She also did considerable committee work for the department, the college, and the university.

Professor Murphy loved teaching, especially Drawing I, as she could show her students how to view their world with fresh eyes. She is still in touch with many of her students.

Her paintings and drawings create curious situations that often explore the themes of people working, the act of seeing, or the natural elements. She has had a long-time fascination with the magazines and ephemera of the 1940s through the 1950s, including images from *Popular Science*, photo archives, and film noir. The people and objects in Professor Murphy's work are often taken out of context or altered in scale to create a unique—and sometimes startling—narrative. While occasionally her art has a political element, many of her pieces comment upon the creative process itself or an uncommon aspect of human experience.

Professor Murphy's artwork has been shown in more than 390 exhibitions nationally and abroad. She has curated more than forty art exhibitions and has been invited to speak at numerous museums and universities all over the world. Her works are in many public and private collections. In 2008, she had a mid-career survey at the Frist Center for the Visual Arts in Nashville, and, in 2012, her work appeared in a two-person exhibition at the Huntsville Museum of Art. This year, Professor Murphy has four solo exhibitions starting with her retirement exhibition at the Vanderbilt Fine Arts Gallery, and then at the Morris Museum of Art in Augusta, Georgia, the Customs House Museum in Clarksville, Tennessee, and the Moreman Moloney Contemporary Gallery in Louisville, Kentucky. Adler & Co in San Francisco, the Carl Hammer Gallery in Chicago, the Cumberland Gallery in Nashville, and now the Moreman Moloney Contemporary Gallery in Louisville exhibit and represent her work.

Bonita A. Pilon, Ph.D.

Professor of Nursing, Emerita

Bonita A. Pilon has made an indelible mark on Vanderbilt. Her commitment to quality health care for the underserved continues to benefit the community. Her dedication to expanding and cementing the role of nurses in management has positioned countless students for leadership. She joined Vanderbilt University School of Nursing in 1989 as an assistant professor and the director of the Nursing Administration graduate program. In 1999, she became senior associate dean for clinical and community partnerships, responsible for all activities related to the School of Nursing's practice mission. In that capacity, she developed and directed more than ten different faculty practice sites that provided health care in elementary schools, community clinics, domestic violence shelters, and apartment buildings for disabled and elderly residents. Professor Pilon secured nearly \$10 million in funding for health care for vulnerable populations, as well as multiple federal grants to support School of Nursing-managed clinics. She publishes extensively and is an authority on nurse-managed clinics. She presents regularly in the U.S. and abroad; in 2001, the American Academy of Nursing inducted her as a fellow, recognizing her scholarly contributions to the discipline of nursing.

Professor Pilon integrated case management content into the Nursing Administration graduate program curriculum and introduced the first quality improvement course at Vanderbilt. She taught health care management, leadership, and organizational dynamics and led the Health Care Leadership master's program. She also taught, guided, and mentored the next generation of nurse leaders in the School of Nursing's Doctor of Nursing Practice program and mentored junior faculty.

In nearly three decades on the Vanderbilt faculty, Professor Pilon has served the university, the medical center, and the School of Nursing with wisdom and industry. She was executive director of the Vanderbilt University Community Health Services Board from 1999–2007, co-chaired the Meharry-Vanderbilt Alliance Patient Care Management Committee, and served on the Vanderbilt Medical Group Board. She was a member of the School of Nursing Executive Faculty/School Leadership Council for fifteen years. She was named the Alexander Heard Distinguished Service Professor in 2015. Professionally, she spent more than a decade in leadership on the National Nurse-Led Care Consortium and was a founding member of the National Certification Board for Case Management Administrators.

Ronald R. Price, Ph.D.

Professor of Radiology and Radiological Sciences, Emeritus

Ronald R. Price is an honors graduate of Western Kentucky University and earned his doctorate in physics from Vanderbilt University. He joined the Vanderbilt faculty in 1970 as a biophysicist for the Department of Radioisotope Research and was appointed a research associate for the Department of Radiology in 1972. In 1986, he was promoted to professor and appointed director of the Division of Radiological Sciences, a position he held for over thirty years. In 2005, he was named the first recipient of the Godfrey Hounsfield Chair in Radiology.

Professor Price has over thirty years of experience in multimodality cancer imaging research with MRI, PET molecular imaging, and coherent scatter computed tomography. He also holds a joint appointment with the Department of Physics and Astronomy and serves as chief of diagnostic physics and ultrasound physics. He is a fellow of the Society of Magnetic Resonance Imaging, the American Association of Physicists in Medicine, and the American College of Radiology.

Professor Price's teaching experience at Vanderbilt spans four decades of courses and lecture series in the School of Medicine and the College of Arts and Science. He has directed 19 doctoral theses, co-edited eight books, authored more than eighty book chapters, and published approximately 200 peer-reviewed journal articles. He has held multiple NIH-funded research grants and was the principal investigator on a training grant from 2001–2010 which had a cumulative budget of over \$4,000,000.

L. Jackson Roberts II, M.D.

Professor of Pharmacology, Emeritus

Jack Roberts came to Vanderbilt in 1975 as a postdoctoral fellow with Dr. John Oates and undertook studies related to prostaglandins and thromboxane. His initial research defined the metabolic fate of thromboxane B₂ and was critical to eventual studies that formed the basis of using low-dose aspirin for cardioprotection. In a *New England Journal of Medicine* article in 1979, Dr. Roberts showed for the first time that histamine is the mediator of vasodilation in patients with gastric carcinoid syndrome. This led to the now-well-accepted use of antihistamines as effective treatment of this disabling condition. In another *New England Journal of Medicine* article in 1980, he reported another discovery of great importance, which elucidated that prostaglandin D₂ is the major mediator responsible for life-threatening episodes of hypotension in patients with systemic mastocytosis, a disease characterized by over-proliferation of mast cells. This discovery led to an effective life-saving therapy to prevent these episodes of hypotension by treatment with non-steroidal anti-inflammatory drugs, such as aspirin. This discovery also formed the basis for Dr. Roberts' receiving a Burroughs Wellcome Scholar Award in Clinical Pharmacology in 1983. Another one of his major accomplishments is his remarkable discovery that a series of prostaglandin F₂-like compounds are formed in vivo by a non-enzymatic free radical catalyzed mechanism. He first reported this in the *Proceedings of the National Academy of Science* in 1990. While the discovery of F₂-isoprostanes was initially a curious finding, over the next several years this discovery proved to have an enormous impact on the field of free-radical biology and medicine research.

In recognition of Dr. Roberts' research accomplishments, he was awarded an NIH MERIT Award in 2001. He was also elected to the two prestigious clinical research societies, the American Society for Clinical Investigation and the Association of American Physicians. In 2006, he received the Earl Sutherland Prize for Achievement in Research from Vanderbilt University and was the recipient of the T. Edwin Rogers Chair in Pharmacology. In 2007, he received the Distinguished Alumni Award from the University of Iowa School of Medicine. These impressive awards speak to the excellence of his research and his distinction as one of the most innovative and successful translational scientists in the country.

Leona Schauble, Ph.D.

Professor of Education, Emerita

Leona Schauble joined the Vanderbilt faculty in 2002, after starting a research and teaching career as a National Academy of Education/Spencer Foundation post-doctoral research fellow at the University of Pittsburgh and working at the University of Wisconsin–Madison. Professor Schauble’s interest in children’s learning and development started even before her graduate training, when she worked as associate director for research for *Sesame Street*, at the Children’s Television Workshop in New York City. In 2015, Professor Schauble was inducted as a fellow of the National Academy of Education.

Professor Schauble is a cognitive developmental psychologist whose research has contributed to our understanding of how children and adults understand the goals and strategies of scientific experimentation. Her work has generated findings concerning how people learn to design informative experiments and to “read” patterns of evidence, including covariation, lack of covariation, and correlations between variables and outcomes.

Professor Schauble also studies learning in both informal and formal educational settings. For example, with the Children’s Museum of Indianapolis, the world’s largest children’s museum, Schauble collaborated on a National Science Foundation-funded project to design and construct an 11,000-square-foot science gallery that reflects research findings about the science knowledge and learning of six-to-ten-year-old children. Her recent research on young children’s understanding of science and mathematics concepts has advanced our understanding of the origins and development of model-based reasoning in school mathematics and science. Moreover, this work shows that children are developmentally capable of doing and learning complex concepts at a surprisingly early age.

Professor Schauble has also made valuable service contributions, not only to her field (e.g., reviewing for the National Science Foundation and for a variety of important journals), but also to the university and Peabody College. She served as chair of the Department of Teaching and Learning during the early 2000s, and later she served several terms as director of graduate studies. Throughout, Leona Schauble has been a tireless advocate for our students. She has made significant contributions to our undergraduate, professional, and doctoral programs, through her teaching and her contributions to program development.

Virginia L. Shepherd, Ph.D.

Professor of Education, Emerita

Virginia L. Shepherd first joined the faculty of the Department of Medicine at Vanderbilt in 1988 and then moved to the Department of Pathology as a professor in 1999. She was also a senior career scientist at the Veterans Administration Medical Center until her retirement from the VA in 2015 and an adjunct professor in the Department of Teaching and Learning at Peabody College. Most of Professor Shepherd's scientific career focused on research in infectious disease and lung biology, with more than seventy published articles and book chapters. At the time of her retirement from the VA, she closed her research program and moved her primary appointment to the Department of Teaching and Learning as a research professor.

Throughout her career at Vanderbilt, Professor Shepherd has maintained a passion for connecting scientists with K–12 classrooms. In 2000, she was appointed director of the Center for Science Outreach. Under the auspices of the CSO, she has developed several highly acclaimed programs in partnership with Metro Nashville Public Schools, two of which have been in place for over ten years. Through these education programs and her scientific research, Professor Shepherd has been involved in mentoring 30 postdoctoral fellows and more than 150 graduate students.

Professor Shepherd was honored for her education work with a distinguished alumna award from the University of Iowa School of Medicine in 2001 and with the Bruce Alberts Award from the American Society for Cell Biology in 2000. Professor Shepherd has served on various university committees and was the chair of the Faculty Senate in 2002 and 2008. For her contributions to Vanderbilt, she received an Award for Excellence in Teaching from Vanderbilt University Medical Center (2001), the Levi Watkins Award from VUMC for fostering opportunities for under-represented minorities (2005), the Thomas Jefferson Award for distinguished service to Vanderbilt (2007), and the Mary Jane Werthan Award for advancement of women at Vanderbilt (2008), and she was named the Alexander Heard Distinguished Service Professor (2003–2004). She was also recognized by the State of Tennessee with the Harold Love Outstanding Community Service Award (2006).

Charles K. Singleton, Ph.D.

Professor of Biological Sciences, Emeritus

Charles K. (Bubba) Singleton has been honored to serve Vanderbilt University for thirty-three years. He earned his bachelor of science in biochemistry, summa cum laude, in 1976, from the University of Georgia, where he was inducted into Phi Beta Kappa. He then entered the doctoral program in biochemistry at Purdue University in Indiana. While a doctoral candidate, Professor Singleton distinguished himself with multiple awards including a fellowship from the National Institutes of Health General Medical Science Training Grant, the Hickory Stick Award for outstanding student teaching, and the Arnold Kent Balls Award for outstanding graduate research and achievement. As a postdoctoral fellow, he received research awards from the National Institutes of Health and the American Cancer Society.

In 1984, Professor Singleton came to Vanderbilt as an assistant professor in the Department of Molecular Biology. He became an associate professor in 1990 and rose to the rank of professor in 2000. When the general biology and molecular biology departments merged to form the Department of Biological Sciences in 2000, he became a professor of biological sciences. Professor Singleton was a member of the Vanderbilt-Ingram Cancer Center, an investigator in the Vanderbilt Kennedy Center, and chair of the Department of Biological Sciences (2004 to 2014).

Professor Singleton's research has focused on mechanisms underlying the control of development in *Dictyostelium discoideum* (slime mold) and the biochemistry and genetics of thiamine utilization and the disease implications of thiamine deficiency. Professor Singleton authored sixty publications that have been cited 2,200 times. Many of the publications included Vanderbilt undergraduate researchers whom it was Professor Singleton's great pleasure to mentor. His research has been supported by multiple awards from the National Science Foundation, the National Institutes of Health, and the American Cancer Society. He is recognized by the American Society of Nutrition Sciences as a Nutrition Research Expert for thiamine.

Professor Singleton has served on several college and university committees and is a beloved teacher and adviser of students, having taught nineteen different courses at Vanderbilt and served as director of graduate studies and director of undergraduate studies for the department. In service to the profession, he served on numerous review boards including those of the National Institutes of Health, the National Science Foundation, and the Wellcome Trust.

Barbara Tsakirgis, Ph.D.

Professor of Classical and Mediterranean Art, Emerita

Professor of History of Art, Emerita

Barbara Tsakirgis has been a stalwart of the Departments of Classical Studies and History of Art for over three decades. She received her doctorate from Princeton and joined the Vanderbilt faculty in 1984. She has been an influential scholar, inspiring teacher, and valued leader.

Professor Tsakirgis is a respected expert in ancient domestic architecture and households. Her research focuses on Greece and Sicily but adopts a rich comparative view of the Mediterranean and Near East. She has co-edited a groundbreaking study of houses, brothels, and taverns and published important articles in the *American Journal of Archaeology* and *Hesperia*, in addition to numerous chapters in authoritative compilations. She has also lectured frequently across North America and Europe. Her forthcoming monograph investigates the residential quarter of Sicilian Morgantina, and she continues to work on a voluminous survey of Athenian houses. Her innovative scholarship has received grants from the National Endowment for the Humanities, the American Philosophical Society, and the American Council of Learned Societies.

Professor Tsakirgis has served her many communities with distinction. She was an academic trustee of the Archaeological Institute of America and recently led a delegation to the U.S. State Department to testify concerning the international antiquities market. Since 1985, she has coordinated the institute's Nashville Society, hosting numerous prominent visitors to the Parthenon and Vanderbilt, for which the institute awarded her the 2017 Joukowsky Award. Professor Tsakirgis has enriched the life of the American School of Classical Studies not only as a teacher on site in Greece, including a Whitehead Professorship in 1996–1997, but also as an active member and frequent officer of the managing committee. She has long been the face and voice of ancient Greece in Middle Tennessee as a board member of the Conservancy for Centennial Park, an appointee for policy in public archaeology, and a guest lecturer for schools and museums. At Vanderbilt, she has served on the Faculty Senate and Council, promoted the Fine Arts Gallery, and led overseas tours, for which she has twice received the Alumni Education Award. She has held every office in the Department of Classical Studies including the chair in 2005–2011. Always a vigorous collaborator with the history of art, she pioneered the curriculum in classical antiquity.

Kenneth A. Wallston, Ph.D.

Professor of Nursing, Emeritus

In his forty-plus years at Vanderbilt, Kenneth A. Wallston has been a professor of psychology in the School of Nursing, the College of Arts and Science, and Peabody College, and a professor of human and organizational development at Peabody. He has also been a Vanderbilt Kennedy Center associate member. His area of study concerns adaptation to illness, with particular interest in individual differences that predict health behaviors and status.

One of the founders of health psychology, Professor Wallston has worked widely in the transdisciplinary arena termed behavioral medicine. He is known internationally for his research regarding the influence of individuals' beliefs in their ability to control their health on their health behavior and outcomes. In the 1970s, he and colleagues developed the Multidimensional Health Locus of Control (MHLC) scales, which are still used to assess belief and health status. Recently, Professor Wallston has investigated the role of health literacy and numeracy in predicting behaviors and outcomes. Currently, he is helping develop the survey component of the national Precision Medicine Initiative. He has published more than 200 articles and book chapters and is a fellow of the American Psychological Association, the Society of Behavioral Medicine, and the Academy of Behavioral Medicine Research.

Professor Wallston began his Vanderbilt career teaching undergraduate psychology as applied to nursing. He has taught quantitative research methods to four decades of Vanderbilt students and mentored countless nurse researchers, psychologists, and physician-scientists.

In addition to serving on school and university committees, Professor Wallston chaired the Faculty Senate. He has been active in professional organizations including the American Psychological Association and the Society of Behavioral Medicine. He was twice awarded the School of Nursing Ingeborg Grosser Mauksch Award for Excellence in Faculty Mentoring and received the Dean's Award for Excellence in Research. In 2007, he was named Joe B. Wyatt Distinguished University Professor.

Ken Wallston's research in the area of health psychology is recognized worldwide. At Vanderbilt, his work has spanned different academic disciplines and impacted students in multiple schools. He truly embodies Vanderbilt's collegial trans-institutional culture.

P. Anthony Weil, Ph.D.

Professor of Molecular Physiology and Biophysics, Emeritus

P. Anthony Weil joined the Department of Molecular Physiology and Biophysics in 1986 as a research associate professor; he was promoted to professor in 1992. For the last forty-five years, his research has focused on the molecular mechanisms of eukaryotic gene expression. He was the first to describe an *in vitro* system capable of accurate transcription of eukaryotic messenger RNA encoding genes. Subsequently, he documented that multiple distinct factors, in addition to RNA polymerase, contribute to this essential cellular process. He has published eighty-four peer-reviewed papers on these topics. His research activities were recognized in 2013 by his election as a fellow of the American Association for the Advancement of Science “For distinguished contributions in the field of eukaryotic gene transcription control, particularly the development and characterization of soluble, cell-free transcription systems and transcription mechanisms.”

Professor Weil has played key roles in teaching and mentoring. He has been continuously involved in the development, administration, and teaching of the Vanderbilt Interdisciplinary Graduate Program (IGP) since its inception in 1992. He was named Teacher of the Year of the first-year IGP Bioregulation class (2006, 2007, 2008) and awarded the Vanderbilt University School of Medicine 2006 Award for Teaching Excellence for “Mentoring Graduate Students in the Research Setting.” In 2007, Professor Weil was named a founding member of the Vanderbilt University School of Medicine Academy for Excellence in Teaching.

Professor Weil co-authored multiple editions of a long-running biochemistry textbook, *Harper's Illustrated Biochemistry*, and is currently preparing the thirty-first edition of this text. He trained thirty-five graduate students and postdoctoral fellows in his laboratory, and served on the doctoral dissertation advisory committees of more than a hundred Ph.D. students at Vanderbilt and other universities in the U.S. and abroad. He led both graduate student (2006–2009, 2015) and faculty mentoring sessions while serving as co-leader of the School of Medicine Junior Faculty Leadership Program (2009–present). Finally, Professor Weil has been extensively involved in service activities, including two terms on the Vanderbilt Faculty Senate and two terms on the School of Medicine faculty appointments and promotions committee.

Robert A. Weller, Ph.D.

Professor of Electrical Engineering, Emeritus

Professor of Physics, Emeritus

Professor of Materials Science and Engineering, Emeritus

Robert A. Weller received his doctorate in physics from Caltech in 1978, following service as a naval officer during the Vietnam conflict. He joined the Vanderbilt faculty in 1987 after seven years as an assistant and associate professor of physics at Yale University.

Throughout his career, the theme of his research has been the study of radiation interactions with matter and radiation effects. Motivated by his lifelong interest in astrophysics and spaceflight, his work has ranged from ion-beam analysis of lunar samples to basic physics of ion sputtering and secondary ion emission. He was co-principal investigator of the NASA-sponsored program that launched Vanderbilt's first successful CubeSat scientific payload aboard the amateur radio satellite A0-85 in 2015. Development and applications of ion-beam analytical techniques were early themes of his work. Later, his interests evolved from laboratory investigation to scientific computing, emphasizing interactions of radiation with semiconductor devices. His computer program MRED (Monte Carlo Radiative Energy Deposition) revolutionized the simulation of radiation-induced single event effects in microelectronics and has contributed to the international preeminence of Vanderbilt's Radiation Effects and Reliability research group.

In 2001, Professor Weller received an R&D 100 Award with colleagues from Sandia National Laboratories for invention of the ion-induced electron emission microscope. He was a recipient of the Outstanding Conference Paper award at the 2007, 2013, and 2015 Nuclear and Space Radiation Effects Conferences and has received several other conference awards. Professor Weller is author or co-author of more than 250 scientific publications and holds five U.S. patents. He is a licensed amateur radio operator (AK4RO), a member of Phi Eta Sigma (1968), Sigma Pi Sigma, Tau Beta Pi (1969), Sigma Xi (1978), and the Bohmische Physikalische Gesellschaft (1989), a member of the American Astronomical Society, a senior member of IEEE, and a fellow of the American Physical Society.

John A. Worrell, M.D.

Professor of Radiology and Radiological Sciences, Emeritus

John A. Worrell earned his M.D. as a Justin Potter Merit Scholar at Vanderbilt University and completed his residency in diagnostic radiology and a fellowship in thoracic radiology. He served as a diagnostic radiologist for the past twenty-seven years in the thoracic radiology section at Vanderbilt, earning top reviews from the residents. He was voted Teacher of the Year six times. He served as section chief of thoracic radiology for fifteen years. He is currently serving as co-director of the Vanderbilt Lung Cancer Screening Program, bootstrapping this new program into existence and bringing “from the bench to the bedside” the research in low-dose CT screening for lung cancer with the promise of reducing lung cancer deaths.

While he has been involved in a number of research projects over the years, among his most significant contributions are the ongoing collaborations with Dr. Tim Blackwell, et al., in the CT evaluation of the mechanisms of familial pulmonary fibrosis, a study that is defining the genetic basis of this disease. Also notable was the research contribution Dr. Worrell made as the Vanderbilt site principal investigator for the National Lung Screening Trial, a landmark study that showed annual screening of heavy smokers could reduce lung cancer specific mortality by 20 percent and formed the basis for the decision by the Center for Medicare and Medicaid Services to reimburse CT screening for lung cancer.

Dr. Worrell was honored as a fellow of the American College of Radiology and has had the unique opportunity of being an American Board of Radiology examiner in the cardiopulmonary and nuclear medicine sections. He was also a member of the Vanderbilt Collaborative Design Team that laid the blueprint for the medical center’s development in 1994.

Daoxing Xia, Ph.D.

Professor of Mathematics, Emeritus

Daoxing Xia has served Vanderbilt University for more than thirty-two years. He graduated from the Research Institute of Mathematics, Zhejiang University, China, under the direction of the renowned mathematician Jianguo Chen. From 1952–1982, Professor Xia held several positions in the Research Institute of Mathematics and in the Department of Mathematics at Fudan University, Shanghai, including a professorship from 1978–1982. He spent more than a year (1957–1958) in Moscow, working with the prominent mathematician Israel Gelfand. In 1980, Professor Xia was elected a member of the Chinese Academy of Sciences, the highest and most prestigious academic title in China.

In 1982, Professor Xia traveled to the United States, where he was a visiting professor at the University of Iowa in 1982–83, and he also had a part-time visiting position at the State University of New York at Stony Brook. During 1983–1984, he was a visiting member of the Institute for Advanced Study in Princeton and also a visiting professor at Ohio State University. Professor Xia came to Vanderbilt University in 1984 as a professor in the Department of Mathematics. During his tenure, he has served on a host of departmental committees, including the graduate committee, the preliminary exams committee, and the Bjarni Jónsson award committee.

Professor Xia's research has been in several areas of mathematical analysis, including functional analysis, complex analysis, operator theory, applied mathematics, modern mathematical physics, theory of functions, and probability theory. His research was continuously funded by the National Science Foundation between 1985 and 1999. Professor Xia has written and co-written eight books and research monographs. His research has resulted in more than one hundred scientific publications. Some of his achievements include the proofs of so-called Goluzin conjectures, work on quasi-conformal mappings, measure theory on infinite-dimensional spaces and their application to the theory of quantum Boson free fields and Gaussian processes, and his work on hyponormal operators.

During his long and productive career, Professor Xia was invited to give lectures at major international meetings, perhaps the most prestigious being his invited plenary lectures at two consecutive meetings of the International Congress of Mathematical Physics. Professor Xia has served on numerous journals' editorial boards, including those of the *Chinese Annals of Mathematics* and *Integral Equations and Operator Theory*. He has supervised eleven doctoral students.