A LETTER FROM THE DEAN

We at the Johns Hopkins University Advanced Academic Programs want to change your life. Our professional graduate degree programs help you get to where you want to be in your career and in levels of knowledge attained. We know that as an adult with a lot of competing demands, you look for the flexibility and depth our professional graduate programs offer.

Advanced Academic Programs offers a variety of graduate degrees and certificates in fields ranging from biotechnology to museum studies. In all AAP programs, a world-class faculty and cutting edge curriculum supports the applied knowledge and professional skills learners need to be successful. Classes are offered in several locations and online. AAP also offers joint degrees with other schools at Johns Hopkins University. Our teachers include research faculty members from across the university and scholar-practitioners at the highest levels of their professions from government, industry, and the nonprofit sector. Our students choose Johns Hopkins because they know that where you study matters. They desire an academically rigorous education that challenges them intellectually and offers them opportunities to meet others who have similar goals to advance in their careers or enrich their personal lives. Together, Advanced Academic Programs faculty and students create a learning experience that is unparalleled in part-time graduate education.

Meeting the same criteria for excellence that characterize all Johns Hopkins University programs, AAP courses are judged among the best in the country, if not the world. We recognize that as an adult learner, you bring a wealth of life experience and practical insights to your classroom learning. Our faculty members are committed to their teaching and to their own learning in professions that are rapidly changing. AAP demands that its faculty members design and deliver courses that integrate your real-world perspectives with the knowledge they bring as researchers, scholars, and practitioners. The combination produces innovative ideas, discovery, and engaged learning. In an AAP class, you will find your assumptions challenged, your old ways of thinking changed, and your mind opened to new concepts and conversations.

Learning happens in the classroom, whether it is on-site or online, and also in countries around the globe. Many of AAP’s programs include workshops and short-term classes led by Johns Hopkins faculty members in Europe, Asia, and other international locations. International students enroll in virtually all AAP programs, adding global perspectives to your discussions and enriching your network of colleagues and friends.

While you are studying for your degree and after you graduate, AAP offers internship and career advising on-site and online, networking with alumni from throughout the university and the world, and many opportunities to become part of a vibrant community of faculty and students.

We invite you to explore this catalog. Visit our website, advanced.jhu.edu, and contact us for more information. We are eager to help you advance in your career, prepare for a new profession, and grow personally. We look forward to telling you more about the Advanced Academic Programs at Johns Hopkins University.

Sincerely,

John Caron, EdD
Associate Dean

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Sincerely,

John Caron, EdD
Associate Dean
Frank Weiss has taught in the Applied Economics program since 2000, and has been Program Director since 2006. He worked for many years at the Kiel Institute for World Economics in Germany, eventually as head of the research group on international trade policy. Subsequently, he was an associate professor and area coordinator of international economics at SAIS’s Bologna Center, and then taught for some years as an adjunct. His areas of interest include international trade, public economics, and European labor markets and macroeconomies.

He received his PhD in Economics from the University of Kiel in Germany.

AHMED MAHMUD
Associate Director
Applied Economics

Dr. Ahmed Mahmud is the Associate Program Director of Applied Economics. He has taught in the Applied Economics program since 2008, and currently teaches Microeconomics, Political Economy, and Economic Growth. He has been employed full time as faculty since 2010. His research focuses on applying microeconomic theory in the fields of social networks and political economy. Previously, he has worked at Tufts University and University Maryland, Baltimore County. He obtained his PhD from Cornell University in 2005. He also has a Masters in Economics from York University, Canada.

GENEVIEVE BRIAND
Assistant Director
Applied Economics

Genevieve Briand is the Assistant Director for MS in Applied Economics program. She has taught for the Applied Economics Program since summer, 2015, and currently teaches Math Methods, Statistics, Microeconomic Theory, and Econometrics. She has many years of experience teaching numerous and varied economics and statistics courses. Her fields of interest are microeconomics and econometrics. Previously, she was an Instructor at the University of Idaho, Adjunct Assistant Professor of Economics at Washington State University, and a tenured Associate Professor at Eastern Washington University.

She received her PhD from Washington State University.
Kathy Wagner Hill, PhD, is Director of the Center for Advanced Governmental Studies. She teaches courses on Congress, public policymaking, environmental policy, and research methods. The Center is home to 5 master’s degrees and 4 certificates: the MA in Government, MA in Global Security Studies, MA in Public Management, the MA in Geospatial Intelligence, and MS in Government Analytics; and the Certificate programs in Nonprofit Management, Government Analytics, Intelligence, and Science, Technology, and International Security.

Prior to coming to Hopkins nearly 20 years ago, Dr. Hill taught at Swarthmore College and was previously a Congressional Fellow with the Office of Technology Assessment. She was later a policy analyst and project director in the congressional agency's Oceans and Environment Program. Dr. Hill’s most recent publications included the chapter, “Governing in a Data-Driven Society,” in the first of its kind text she co-edited with Dr. Benjamin Ginsberg, Chair of Governmental Studies, and Dr. Jennifer Bachner, Program Director of Government Analytics, Analytics, Policy, and Governance (Yale University Press, 2017). With Dr. Ginsberg, she also recently completed a new text, Congress: The First Branch and a book of readings to be published with it, A Companion to Congress: The First Branch (Yale University Press, in press). Dr. Hill received her BA with high honors from Oberlin College and her PhD in Government from Cornell University.

Jennifer Bachner, PhD, is Director of the Master of Science in Government Analytics and Certificate in Government Analytics programs at Johns Hopkins University. Her areas of research and teaching include public opinion, government responsiveness and political methodology. She is the author of What Washington Gets Wrong (with Benjamin Ginsberg) and the editor of Analytics, Policy and Governance (with Benjamin Ginsberg and Kathryn Wagner Hill). Her report, Predictive Policing: Preventing Crime with Data and Analytics, has been published by the IBM Center for the Business of Government. As an expert on government analytics and political behavior, she has been quoted and/or cited in the Washington Post, Wall Street Journal, Baltimore Sun, Roll Call, Government Executive, and on Federal News Radio and Fox Business.

Bachner received her PhD in government from Harvard University and undergraduate degrees in political science and social studies education from the University of Maryland, College Park.

Jack O’Connor is the Director of the MA in Geospatial Intelligence, GEINT, and has practiced, led, taught, and written about the topic extensively. A former CIA officer, he has managed and led analytic and support organizations in missions focused on combat support, national intelligence, diplomatic initiatives, and disaster support, as well as regional, functional, environmental, economic and social analysis in the CIA’s National Photographic Interpretation Center, and, in the Defense Department, in the National Imagery and Mapping Agency and the National Geospatial-Intelligence Agency. A retired senior executive, he was the recipient of numerous awards throughout his career, including an intelligence-community-wide prize (Galileo Award, 2005) and the National Intelligence Medal of Achievement.

A reflective practitioner of GEINT, he designed a course for reviewing analytic products in the 1980s, and helped design a workshop on Managing GEINT Analysis in NGA in 2010. He served as managing editor for a classified journal on Geospatial Analysis from 2009-2011. His first publication on GEINT in combat support was in 2004, and after retirement, he wrote a book in 2015 on the imagery analysis organization that shaped US decisions throughout the Cold War, and produced more senior leaders than any other Intelligence Community office.

Dr. Stout has appeared widely in the American and British media. He is a Senior Editor at War on the Rocks and President of the North American Society for Intelligence History. His research interests include American intelligence history; the history of military thought; terrorism; and irregular warfare.
PAUL WEINSTEIN JR.
Program Director
Public Management

Paul Weinstein Jr. is the Director of the MA in Public Management program. Mr. Weinstein has taught at Johns Hopkins University since 2003, and his areas of research include fiscal policy, higher education, transportation, and government management. Weinstein has also lectured at Columbia University and Georgetown University. He is co-author of the textbook, *The Art of Policy Making*, currently in its second edition. His writing has also appeared in *The Boston Globe*, *The Baltimore Sun*, *New York Newsday*, *Forbes*, *Investors Business Daily*, *Politico*, and *U.S. News and World Report*. In 2008 he received an Excellence in Teaching Award from the Kreiger School.

A veteran of two Presidential Administrations, Weinstein was senior advisor to the Simpson-Bowles Commission, which was created by President Obama to address the nation’s mid- and long-term fiscal challenges. President Clinton appointed Weinstein as Special Assistant to the President and served as chief of staff of the White House Domestic Policy Council. Later he became senior advisor for policy planning to Vice President Gore. Before joining the Clinton administration, Weinstein served as a legislative aide to former Representative C. Thomas McMillen (D-MD) and then-Senator Albert Gore Jr. (D-TN).

From 2001 to 2008, Weinstein was chief operating officer and senior fellow at the Progressive Policy Institute. Weinstein received his Bachelor of Science in Foreign Service from Georgetown University and his Masters from the School of International and Public Affairs at Columbia University.

KARIN ORR
Program Coordinator
Nonprofit Management

Karin Orr is the Program Coordinator and Lecturer for Johns Hopkins University Advanced Academics Programs graduate Certificate in Nonprofit Management. Karin has worked in the non-profit sector for the past decade providing programmatic, managerial, and financial support to the sector. In her role as an advisor she works with graduate students who aspire to found, manage, and/or operate their own nonprofit.

Karin has worked as the Program Manager for the Counterpart International network (through the Social Sector Accelerator), a non-profit that has collaborated with local partners to build inclusive and sustainable communities worldwide for over 50 years. Prior to her position at Counterpart, she worked as the Deputy Director of The Advocacy Project, a small non-profit that supports community based advocates world-wide. In this position, she had worked with over 40 different community-based organizations in South and East Asia, East Africa, Europe and Latin America. She has also worked in Latin America, including as a Peace Fellow for the Peruvian Forensic Anthropology Team, in El Salvador on a WASH program, and in Ecuador as an ESL instructor.

Karin has an MA in International Policy with an emphasis on Conflict Resolution from the Middlebury Institute of International Studies at Monterey. She is currently a second year doctoral student of Conflict Resolution at George Mason University’s School for Conflict Analysis and Resolution (S-CAR).

DOROTHEA WOLFSON
Program Director
Government

Dorothea Israel Wolfson is the Program Director of the Master of Arts in Government. She has been teaching in the program since 1995 and currently teaches courses in the areas of American politics, American political thought, political theory, and writing and research methods. Her research and teaching interests center on democracy and civic engagement, American political thought, and family policy. She has published articles on Alexis de Tocqueville, Thomas Jefferson, Abigail Adams, and on John Locke and children’s literature. She has collaborated on a book, *Our Sacred Honor*, with William J. Bennett, and her essays and reviews have appeared in *The Claremont Review of Books*, *The American Interest*, and *Perspectives on Political Science*.

Before joining the Johns Hopkins program, she was a Policy Analyst at Empower America. She holds a BA from the University of Chicago and a PhD in Government from Cornell University.

SARAH O’BYRNE
Program Coordinator
Center for Governmental Studies

Sarah O’Byrne is Program Coordinator for the Center for Governmental Studies. She has been teaching in the program since 2007 and currently teaches courses in global political economy, economics for public policy, political economy of development, corruption and comparative democracies. She received an Excellent in Teaching Award in 2014.

Her research and writing take an interdisciplinary approach that combines political science and economic perspectives and tools. She is currently examining the role of epistemic communities on policy outcomes, specifically in the area of development aid and corruption. She is also the Managing Editor for the *Oxford Research Encyclopedia for International Studies*. She holds a BA in Economics from Trinity College, Dublin, and an MA in Economics and a PhD in Political Science, both from Johns Hopkins University.
Kristina Obom is the Director of the Center for Biotechnology Education and the Program Director for the Master of Science in Individualized Genomics and Health and the Master of Science in Biotechnology programs, Johns Hopkins Advanced Academic Programs. She is an alumna of Hopkins, receiving her undergraduate degree from the School of Arts and Sciences in Public Health. Her training in public health continued at Yale University where she received a Master’s in Public Health in Infectious Disease Epidemiology. Dr. Obom received her PhD from the City University of New York at Mt. Sinai School of Medicine in Biomedical Science, where she studied pox viruses. She has an interest in bioinformatics and taught bioinformatics and introductory biology in the Biology Department of the Catholic University of America. She has facilitated workshops on teaching pedagogy and Dr. Obom, along with colleagues in the Center for Biotechnology Education, has published articles about online education in JMBE and laboratory methods for students in JoVE. Dr. Obom currently teaches Emerging Infectious Diseases, Biodefense & Infectious Disease Laboratory Methods, Cell Culture Techniques, Bioprocessing & Scale-Up Laboratory and Genes & Disease. She was a 2006 recipient of the Martin Luther King Award for Community Service.

Dr. Colonna is the Director of the Regulatory Science and Food Safety Regulation programs at Johns Hopkins University. Dr. Colonna has taught at Johns Hopkins University since 2004 and has also taught at the University of the Sciences in Philadelphia and the College of Notre Dame of Maryland. Dr. Colonna co-authored two textbooks in the field of regulatory science (Promotion of Biomedical Products: Regulatory Considerations and Biomedical Software Regulation) as well as numerous articles in industry-recognized professional periodicals. Dr. Colonna earned a bachelor of science in microbiology from the University of Sciences in Philadelphia (formerly the Philadelphia College of Pharmacy and Science), a PhD in molecular biology from the Johns Hopkins University, and a law degree from the Georgetown University Law Center. Dr. Colonna has successfully combined his scientific, academic, and legal training to create and build several businesses. Dr. Colonna founded two digital publications (www.Medivations.com and www.PhysicianOfficeNews.com), a medical e-commerce business (Medsupplyfinder, Inc.), an FDA regulatory affairs consultancy group (www.Biotech-Consultant.com), and most recently an organic farm (www.OrganianFarms.com) in Bowling Green, Missouri. Dr. Colonna’s consulting clients range from Fortune 500 companies to small start-up companies located throughout the U.S., as well as, Canada, India, E.U., and Russia.

Lynn Johnson Langer PhD, MBA, is Director of Enterprise Programs which includes the Masters in Biotechnology Enterprise and Entrepreneurship (MBEE), the MS in Biotechnology/MBA, the MS in Biotechnology (Enterprise concentration), and the Certificate in Biotechnology Enterprise.

Dr. Langer is on the National Directors Emeritus board and is President Emeritus of Women In Bio, an organization of professionals committed to fostering and encouraging entrepreneurship and career development of women active in the life science industry. She recently ended her governor-appointed term on the board of directors of the Maryland Technology Development Corporation. She attended Tulane University and the University of Maryland for her undergraduate degree in microbiology. She later received her MBA from Johns Hopkins University, and received the Stegman Award for academic excellence in Administrative Science. She received her PhD in Leadership and Change from Antioch University. Dr. Langer is also an International Coach Federation certified executive coach. She studied coaching at George Washington University and completed a graduate certificate in evidence-based coaching from the Fielding Graduate Institute.

Dr. Langer headed the sales and marketing department of several biotechnology companies before she founded BioPlan Associates, a management and marketing consulting firm. She has published over fifty articles and several book chapters mainly in business areas of biotechnology and biotechnology enterprise education including publishing in Nature Biotechnology. Dr. Langer has taught a variety of graduate courses in biotechnology and business.

Dr. Langer has taught among other courses, Leading Change in Biotechnology, Managing and Leading Biotechnology Professionals, Bioscience Communication, Emerging Issues in Biotechnology, Marketing Aspects of Biotechnology and Proseminar in Biotechnology.

Dr. Lessick is the Director for the Master of Science in Bioinformatics. Dr. Lessick was first exposed to Johns Hopkins University at the age of nine, as a part of Dr. Julian Stanely’s Study for Mathematically Precocious Youth (SMPY). He earned his Bachelor of Science Degree from the Massachusetts Institute of Technology and after graduating from MIT, he spent a year at Harvard University studying the developmental genetics of roundworms. He went on to do a PhD in the Department of Biology at Johns Hopkins University, focusing on protein stability in hyperthermophilic organisms. Dr. Lessick was an editor and database manager for the Microbiology division at Cambridge Scientific Abstracts.

He began teaching at Hopkins in 2001 and became full-time in 2004. He teaches several core courses for the biotechnology and bioinformatics degrees, but primarily focuses on Introduction to Bioinformatics, Biostatistics, and Tools for Genome Analysis. Dr. Lessick also oversees the Biotechnology Thesis for Advanced Academic Programs.
Alexandra Tan is the Founder and Director of the Post-Baccalaureate Health Science Intensive program (HSI) (concentration in MSBiotechnology). Additionally, she is Director of the Post-Baccalaureate Premedical Program at Hopkins. Previously, she was Director of the Post-Baccalaureate Health Professions Program at the University of California Berkeley, Extension.

Dr. Tan received her PhD in Biology from Johns Hopkins University, focusing on membrane protein association. Her education laid the foundation for her current field of pre-medical advising. Through her data-driven and analytical approach, she has been working to identify objective predictors of success in the medical school admissions process and develop tangible steps that help students achieve that success. The results are heavily featured in the unique curricular approach of the HSI Program.

Additionally, she plays an active role in the national conversations on medical school admissions and pre-health/post-baccalaureate education through multiple leadership roles with the National Association of Advisors for the Health Professions, including serving as co-chair for one national and two regional conferences, the regional Executive Board and as a contributing writer for the Health Professions Admissions Guide (11th ed). Dr. Tan is currently focused on spearheading multiple projects that represent novel work in this field/organization.

Beatrice Kondo is the Assistant Director for the MS in Biotechnology. Dr. Kondo also provides academic advising for all students whose ultimate goal is a professional school (medical, dental, and veterinary). Dr. Kondo’s undergraduate studies were at Loyola University in Baltimore. She then began a career in software test engineering, testing Hubble Space Telescope management and control software, before transitioning to the private sector, testing communications systems. Eventually, higher education enticed her to return to academia, and she completed a doctorate in Biological Sciences at the University of Maryland, Baltimore County in 2006. Her publications are in the area of molecular phylogenetics, with a special emphasis on closely-related species and the evolution of migration in New World Orioles. Recognizing a love of teaching during her graduate career, Dr. Kondo pursued a teaching post-doc at Cornell College in Iowa, famous for its unusual one-course-at-a-time curriculum. After this, she taught for four years in the undergraduate program of the Department of Biology at The Johns Hopkins University, before joining the Advanced Academic Programs Center for Biotechnology Education in fall 2011. Her experience in advising JHU undergraduates, who were predominantly pursuing admission to professional schools after graduation, gave her a lot of insight into the professional school application process.

Dr. Kondo currently teaches Advanced Cell Biology I, Molecular Phylogenetic Techniques, and Comparative Animal Physiology.

Beatrice Kondo
Assistant Director
Biotechnology

Alexandra Tan
Director
Health Science Intensive

MEREDITH SAFFORD
Assistant Director
Biotechnology

Meredith Safford is the Assistant Program Director for the MS in Biotechnology. Dr. Safford received her undergraduate degree from St. Olaf College, Northfield, MN, and earned a PhD in Biology from Johns Hopkins’ Department of Biology. She received further postdoctoral research training in oncology and immunology at The Johns Hopkins School of Medicine and the National Institute on Aging, Baltimore. In addition to her experience working in the academic and government sectors, Dr. Safford also has worked in the biotechnology industry and scientific research publishing, having worked for Becton Dickinson Immunocytometry Systems, San Jose, CA, and the The Journal of Immunology, Bethesda, Maryland.

Before joining AAP full-time in 2011 Dr. Safford held a part-time adjunct faculty appointment with AAP, beginning in 2001. Dr. Safford teaches on-site and online courses, which include Molecular Biology, Advanced Cell Biology II, Principles of Immunology and Cancer Biology.

Jonathan S. Helfgott, is Program Coordinator in the MS in Regulatory Science program where he teaches and advises students. Additionally, he is the Director of Global Regulatory Affairs at Stage 2 Innovations. Prior to joining Stage 2 Innovations in early 2015, Mr. Helfgott was formerly the Associate Director for Risk Science, within the Office of Scientific Investigations at FDA’s Center for Drug Evaluation & Research (CDER). Prior to joining CDER in 2010, Mr. Helfgott worked at the FDA’s Center for Devices and Radiological Health (CDRH) within the Division of Bioresearch Monitoring (BRM).

Mr. Helfgott specialized in Computerized Systems used in FDA regulated Clinical Investigations. Mr. Helfgott has also served as an Adjunct Professor for the JHU M.S. Regulatory Science program since 2011, teaching: Clinical Development of Drugs & Biologics, International Regulatory Affairs, Validation in Biotechnology, & Biomedical Software Regulations. Mr. Helfgott is the Co-Editor of the Food and Drug Law Institute’s 2009 Publication, “Biomedical Software Regulation.” Mr. Helfgott has also been published in Peer Reviewed Journals such as Applied Clinical Trials, RAPS Focus, Association of Clinical Research Professionals, FDLI Update, Touch Briefings, and Medical Device and Diagnostic Industry. Mr. Helfgott also continues to lecture and be involved with various regulatory professional organizations such as DIA, ACRP, RAPS, ScCR, SCDM, Advamed, CHI, CBI, FDA News, and others. Mr. Helfgott co-developed the Software Education Program for the CDRH Staff College through the Medical Device Fellowship Program. Prior to joining FDA in May 2006, Mr. Helfgott conducted genetic research using micro-array technology at the NIH’s National Institute on Aging.

Mr. Helfgott received his M.S. in Bioscience Regulatory Affairs from Johns Hopkins University and his B.S. in Cell Biology and Molecular Genetics from the University of Maryland College Park.

Jonathan S. Helfgott
Program Coordinator
Regulatory Science

BEATRICE KONDO
Assistant Director
Biotechnology

BEATRICE KONDO
Assistant Director
Biotechnology

MEREDITH SAFFORD
Assistant Director
Biotechnology

JONATHAN HELFGOTT
Program Coordinator
Regulatory Science
**THOMAS KOVAL**  
Program Coordinator, Senior Lecturer  
**Biotechnology**

Thomas Koval is a Senior Lecturer and Program Coordinator in **Biotechnology**. Dr. Koval began teaching in the AAP Biotechnology Program in 2002 and currently teaches Advanced Cell Biology I, Advanced Cell Biology II, Radiation Biology, and oversees the Independent Research Project in Biotechnology course. He received a B.S. in Biology from The Pennsylvania State University and a PhD in Cell and Molecular Biology/Radiation Biology from The Ohio State University. He completed a postdoctoral fellowship in Physiology and Biophysics/Bioengineering at the University of Illinois at Urbana-Champaign.

Dr. Koval has held faculty positions at Hahnemann Medical College in Philadelphia, PA, the George Washington University School of Medicine and Health Sciences in Washington, DC, and Mayo Medical School/Mayo Graduate School in Rochester, MN. Dr. Koval was the first to establish a cell/molecular basis for the pronounced radiation resistance of insects, a phenomenon well-documented by cartoonists. He has lectured widely and published extensively in peer-reviewed national and international scientific journals on topics in cell and molecular biology, especially in the areas of cellular radiation damage/repair, stress-inducible cellular processes, and insect cell culture. Dr. Koval received an Excellence in Teaching Award from the Krieger School in 2006.

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**EMIL WANG**  
Program Coordinator, Senior Lecturer  
**Biotechnology**

Emil Wang, JD, BS, is a food and drug attorney and Program Coordinator/Senior Lecturer in the **Regulatory Science** program. Mr. Wang works at the FDA as a Senior Advisor for Manufacturing and Regulatory Policy. His previous FDA experiences include Senior Regulatory Counsel, Case Expert, Division Director, Branch Chief, Investigator, and Scientific Reviewer. He has also practiced food and drug law at a private law firm. At Johns Hopkins, he teaches **Food and Drug Law, Medical Device and Combination Product Regulation, FDA Premarket Applications, and International Regulatory Affairs**.

Mr. Wang received his undergraduate degree in Biomedical Engineering from Johns Hopkins University and his Juris Doctor degree from the University of Maryland School of Law.

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**SHERRY OGG**  
Senior Lecturer  
**Biotechnology**

Sherry Ogg, Senior Lecturer with the Center for **Biotechnology Education**, received her BS in Dairy Science in 1985 from Delaware Valley College in Doylestown, PA. After working for one year as a large animal embryo transfer technician, she obtained her MS in Agriculture-Animal Science at California State University-Chico in 1988. She earned her PhD in Animal Science from the University of Maryland in 1994 and also completed a postdoctoral fellowship in the Department of Animal Sciences at the University of Maryland in 2001.

Since 2000, Dr. Ogg has taught and continues to teach numerous online courses for Advanced Academic Programs in Biotechnology at Johns Hopkins University. These courses include **Agricultural Biotechnology, Advanced Cell Biology I, Introduction to Bioinformatics, Molecular Biology, and Biofuels**.

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**KATHERINE WELLMAN**  
Program Coordinator, Senior Lecturer  
**Biotechnology Enterprise Biotech/MBA**

Dr. Katherine Wellman is a faculty member and coordinator for the **Biotechnology Enterprise** programs including the Master of Biotechnology Enterprise and Entrepreneurship, the joint MS in Biotechnology/MBA, the MS in Biotechnology concentration in biotechnology enterprise and the Certificate in Biotechnology Enterprise. Dr. Wellman brings extensive experience in various regulatory, operations, training and development, environmental, health and safety and sustainability leadership positions in the pharmaceutical and life science business sectors domestically and internationally. She has headed global auditing teams, served on merger and acquisition teams and consulted in strategic initiatives and policy implementation for pharmaceutical and life sciences companies. She also participated in public diplomacy activities by traveling on behalf of the U. S. Department of State as an expert in the governance of bioscience and public-private partnerships.

Dr. Wellman is a graduate of Johns Hopkins University, receiving her MS in Biotechnology from the Zanvyl Krieger School of Arts and Sciences and an MBA from the Carey Business School. She also earned an MS in Health and Safety from Indiana State University and a BS in Health and Safety, Biology and Public Health with an education emphasis from Ball State University. Katherine received her doctorate in Public Administration from the University of Baltimore completing her dissertation on the governance of science and technology. Her research interests include governing emerging science and technology, sustainability and corporate social responsibility.

Dr. Wellman has developed and teaches Ethical, Legal and Regulatory Aspects of the Biotechnology Enterprise, Strategic Planning for the Biotechnology Enterprise, Social Entrepreneurship in BioScience, Proseminar in Biotechnology, and Economic Policy and Support Structures for the Bio Entrepreneur.
Karen Wells is a Senior Lecturer in the Center for Biotechnology Education. She has taught with the Biotechnology program since 1999, with a primary focus in online education since 2003. Her research and educational interests include cell biology, protein biochemistry, molecular physiology & disease, and neuroscience. She received her PhD in Physiology and Pharmacology from Emory University in 1997 and then completed an American Heart Association post-doctoral research fellowship in the Department of Physiology at Johns Hopkins Medical Institute in 2000. Her post-graduate research focused on membrane transport proteins and neurotransmitter receptors.

Dr. Wells is a career educator. Over the past three decades, she has been involved in teaching the biosciences at a variety of institutions of higher learning, including Johns Hopkins University, University of Georgia, Emory University, and Illinois Central College. She is a VoiceThread Certified Educator. In 2003 she received an Excellence in Teaching award from the Advanced Academic Program in Biotechnology.

Taylor Hahn is the Assistant Director of the MA in Communication program. Dr. Hahn has taught at Johns Hopkins University since 2016, and his areas of research include argument, debate, civic engagement, and the roles and trajectories of higher education in contemporary society. Hahn is also Director of Civic Engagement at the Ben Franklin Transatlantic Fellows Institute, a State Department program focused on debate training and civic engagement. He is co-author of Finding Your Voice: A Comprehensive Guide to Collegiate Policy Debate, a debate textbook that introduces high school and college-age students to debate and argumentation.

As an argument and debate scholar, Hahn has presented his research at conferences in the United States, Middle East, and Europe and published across national and international platforms. He has coached debaters to win the National Debate Tournament and continues to work with public debate programs to facilitate positive, deliberative environments across the world. Hahn earned his doctorate in Communication from the University of Pittsburgh and Masters in communication from Wake Forest University.
Jerry L. Burgess, PhD, is Director of the Master of Science in Environmental Sciences and Policy as well as the Geographic Information Systems masters and certificate programs. His research interests are highly interdisciplinary utilizing the disciplines of biology, ecology, geology and soil science to explore community dynamics and invasive ecology in urban, rural and forested landscapes. Trained as a metamorphic and structural petrologist, in his early research he has used petrologic and geochemical tools to investigate igneous and metamorphic rocks and relate their petrogenesis to the growth and evolution the Canadian Appalachians.

A great deal of his career has been spent skirt ing two different professional spheres: one as an educator where he served as the STEM science chair in various school systems, and the other sphere has been spent solving environmental issues such as soil and groundwater remediation. As an educator, his topics of focus include bringing research results into teaching and learning and inculcating inquiry-based learning into a broader use in the geosciences and public school settings. Recently he has become engaged in the structure and dynamics of geoecosystems. In particular, seeking to understand the edaphic relationship between geologic substrate, soils and plants using a complimentary suite of approaches that integrate field observations with novel techniques (e.g. stable isotopes) and controlled environmental systems (e.g. growth chambers, greenhouse settings) to address questions that intersect plant physiological ecology, soil ecology and geology in an ecosystem context. Dr. Burgess has worked in a variety of academic, research, educational and consultant based settings. His current projects include, conservation threats to edaphic ecosystems and nutrient dynamics in coupled above ground – below ground settings.

Dr. Burgess received his doctorate in Ecology from Johns Hopkins University.

Daniel (Dan) S. Zachary, is the Director of the Energy Policy and Climate program. Dr. Zachary has taught at Johns Hopkins since 2015, and his area of research includes mathematical/physical modeling for energy sustainability, anthropogenic emissions, and climate change forecasting. In 2014, he published a general mathematical framework for planetary sustainability (Nature, Scientific Reports) and recently submitted for publication (Journal of Climate) a model for global climate change reaction time.

Dr. Zachary holds a BSc in Physics, an MSc in Space/Atmospheric Physics, and a PhD in Nuclear Physics, Energy-Density, all from the Massachusetts Institute of Technology. From 1995 to 1997 he was a Post-doc fellow at the European Center for High Energy Physics (CERN, Switzerland) and then lectured mathematics (statistics) at the University of Geneva. From 2002 to 2006 he was Assistant Professor at the American University of Sharjah (UAE) followed by a nomination as Associate Professor with Embry-Riddle Aeronautical University (Europe), working closely with the Center for Public Research (Luxembourg) and lecturing at the University of Luxembourg.

Dr. Zachary is author/co-author of nearly a hundred scientific publications including more than 50 peer-reviewed articles and book chapters and over 25 symposium papers, some chosen for international research awards (>2000 citations). He is associate editor of the Journal of Environmental Modeling and Assessment and guest editor/reviewer of several high-ranking environmental modeling journals.

Jennifer da Rosa is the Program Coordinator for the MS in Energy Policy and Climate and the MS in Environmental Sciences and Policy. Mrs. da Rosa joined the faculty at Johns Hopkins University in 2017. She is a doctoral candidate at Northeastern University, and her research explores the connection between climate science misconceptions and cultural worldview among adults.

Mrs. da Rosa specializes in the geosciences and served as a civilian oceanographer and satellite imagery analyst for the Naval Oceanographic Office’s Warfighting Support Center. She previously taught as an instructor for the United States Naval Academy and Texas Woman’s University, and her research has appeared in The Earth Scientist and Science Education and Civic Engagement: An International Journal.

Geri Miller is the Program Coordinator for the JHU Geographic Information Systems programs and has been an instructor in the programs since its inception. She has developed and taught a range of the GIS curriculum, including AS.430.600 Web GIS, AS.430.603 Geospatial Data Modeling, AS.430.604 Spatial Analysis with GIS, AS.430.606 Programming in GIS and AS.430.625 System Architecture for Enterprise GIS.

She is a GIS Instructor and Technical Lead at Esri (Environmental System Research Institute) since 2007 specializing in the online delivery of desktop, server and programming GIS courses. Much of Geri’s work focuses on improving online delivery methods of GIS classes designed to provide a rich learning environment for educating GIS users.

Geri has worked extensively with many universities to support and enhance their GIS programs, in the capacities of lecturer, course author and curriculum developer. In addition to teaching at Johns Hopkins University, she has taught at the University of Delaware, Community College of Philadelphia and West Chester University of Pennsylvania, and has helped others stay on the leading edge of GIS technology. Geri has a B.S. from Drexel University and a M.A. from West Chester University of Pennsylvania and has completed the following certifications: CompTIA C++ Certified Technical Trainer, CompTIA CTI+ Virtual Classroom Trainer, Esri ArcGIS Desktop Professional, and Esri Enterprise Administration Associate.
Dr. Laura DeSisto is the Program Director and a Senior Lecturer for the Master of Liberal Arts program. Most recently, she was the Regis College Associate Dean of Academic Programs at Regis University in Denver, Colorado. Prior to joining Regis, she was an Assistant Professor of Social and Philosophical Foundations of Education at Appalachian State University in Boone, North Carolina, and a Postdoctoral Fellow in the Education Department at Lawrence University in Appleton, Wisconsin.

Dr. DeSisto graduated summa cum laude from the College of the Holy Cross in Worcester, Massachusetts with a double major in Philosophy and Italian Studies, and she completed an MPhil and PhD at Columbia University in the field of Philosophy and Education. Her dissertation, Education and the Human Condition: Reconceptualizing the Activities of Teaching and Learning (2007), uses existential philosophy to reveal how we continuously share, cultivate, struggle with, and perpetuate our conceptions of humanity through the practices of teaching and learning.

Her scholarly interests include: questions concerning the human condition, especially those raised by existential philosophy; the role aesthetic experiences play in the process of understanding and meaning-making; critical social justice theory in teacher education; and the importance of the liberal arts in higher education.
Phyllis Hecht is founding director of the online graduate program in Museum Studies. She has taught at Johns Hopkins University since 2005 and her research focuses on best practices and innovative use of technology in the museum field. Ms. Hecht co-edited “The Digital Museum: A Think Guide,” an anthology on museums and technology. She has published papers and participated in international panels on topics of museums and technology, building online community, and current practices in digital curation. In 2012 Ms. Hecht was the recipient of a research grant from The Benjamin and Rhea Yeung Center for Collaborative China Studies to form partnerships between museum professionals, educators, and students in the U.S. and China. She has served on the boards of the American Alliance of Museum’s Committee on Museum Professional Training and the Media and Technology Committee, as well as the advisory board of the New Media Consortium’s Horizon Report: Museum Edition. Ms. Hecht has more than 25 years of museum experience, and prior to Johns Hopkins University, worked at the National Gallery of the Art in Washington, D.C., as manager of the museum’s website and as an award-winning designer of print and web publications. Ms. Hecht received a B.S. in Journalism and a B.A. in Art History from the University of Maryland and a Master of Arts in Teaching in Museum Education from George Washington University.

Sarah J. Chicone is the Associate Director of the Cultural Heritage Management and Museum Studies programs in the Krieger School of Arts and Sciences, Advanced Academic Programs at Johns Hopkins University. Dr. Chicone has worked in both professional and academic capacities in the fields of Cultural Resource Management and Museums. She has over 15 years of professional museum experience as lead curator, developer, and designer for natural history, science, anthropology, contemporary art, and history exhibitions. Her academic and professional interests include cultural heritage, material culture studies, cultural resource management, informal education, science communication, exhibition design, and public archaeology. She is the author of Dinosaurs and Dioramas: Creating Natural History Exhibitions (with Richard Kissel, Routledge) and serves on the board of the Committee on Museum Professional Training professional network of the American Alliance of Museums. Dr. Chicone received her PhD in Anthropology (Archaeology) from Binghamton University, where she worked as part of the Ludlow Collective. She has participated in excavations in the American Northeast, Southeast, and the Caribbean, focusing on labor, both enslaved and free, and most recently working class poverty. She also holds an M.A. in Anthropology (Archaeology) and a graduate certificate in Museum Management from the University of South Carolina, and a B.A. from Lake Forest College. She serves as an academic advisor for both Cultural Heritage Management and Museum Studies graduate students.

Joyce Ray is Program Coordinator and Senior Lecturer for the JHU Certificate in Digital Curation program. She has taught in the museum studies program since 2011, including Digital Preservation and Foundations of Digital Curation courses, and she directs the digital curation internship and research courses. With a background in archives, she spent 10 years at the National Archives and Records Administration, holding positions in appraisal, policy and program analysis, special assistant to the Archivist of the United States, and acting program director of the National Historical Publications and Records Commission. From 1997-2011, she was associate deputy for library services at the U.S. Institute of Museum and Library Services, where she directed programs that awarded competitive grants to libraries, archives, museums and institutions of higher education. She was a visiting professor at University College London 2011-13 and a visiting professor at Humboldt University in Berlin 2013-14. She then returned to Washington, DC to begin her current position where she helped to organize the museum studies onsite seminars in Berlin in 2015 and 2017. She has published on digital curation topics in academic journals in the museum, library and archives and fields, and edited a book, Research Data Management: Practical Strategies for Information Professionals, published by Purdue University Press in 2014. She has a master's degree in Library and Information Science and a PhD in American History, both from The University of Texas at Austin.

Karen Wizevich is Program Coordinator and Senior Lecturer in the Johns Hopkins University Museum Studies program. She has worked in the museum field for over 25 years, both in-house and as a consultant. In house positions include being the Director of Exhibits and Architecture at the Museum of the Earth (Ithaca, NY), and five years at Liberty Science Center, Jersey City, NJ, starting as the Director of Evaluation, ending as the Acting Vice President of the Guest Experience. She was a Fulbright scholar in New Zealand, and worked with a variety of museums, including the Museum of New Zealand. Her consulting clients are varied, including history, science, art, and performing arts institutions, such as the American Museum of Natural History (NY), Smithsonian Institution (Washington, D.C.), Vassar College Theater (NY), the Old State House (CT) and the Mystic Seaport (CT). She and her family lived and worked in Basel, Switzerland, where she visited and studied 100s of European museums. Her interests lie in the intersection of museum architecture and the visitor experience. She holds a PhD from Victoria University (New Zealand) in Architecture/Museum Studies and an M.S. from Cornell University in Design and Environmental Analysis.
Judith Landau is the internship coordinator and a faculty member of the Johns Hopkins University Museum Studies program. Ms. Landau has over 35 years of museum and teaching experience. She has conducted staff and docent development workshops for over 40 museums, served as a facilitator for strategic planning in museums, and developed curricula for museums and schools. She has also trained classroom teachers, worked on various museum education committees and was an outreach specialist at the Hirshhorn Museum and Sculpture Garden. Previously, she served as Assistant Director and faculty member of the graduate program in Museum Education at the George Washington University. Ms. Landau has an M.A.T. in museum education from the George Washington University and a bachelor’s degree in music education from Queens College, City University of New York.

Marianne R. Woods is the Director of the Master of Science Program in Research Administration. Dr. Woods has taught at Johns Hopkins University since 2014, and her research interests are research administration infrastructure, intellectual property and research commercialization, research administration regulations, law, ethics, and compliance.

Dr. Woods has worked at all levels of research administration, most recently as a Senior Associate Vice President for Research. She has built the infrastructure and capacity for research at numerous universities. She is a national and internationally renowned research administrator, speaker and author and has managed billions of dollars in research funding. She has managed all aspects of research including sponsored programs pre-award, post-award and accounting; contracts and industrial agreements; research integrity, commercialization, technology transfer, innovation, licensing; and policy development. She has also served as the Research Integrity Officer and Institutional Official at various universities as well as chair of the IRB, IACUC, and IP Committees.

She is the 2009 recipient of the National Council of University Research Administrators (NCURA) highest honor, the Achievement in Research Administration Award. She is also a recipient of NCURA’s National Distinguished Service Award and the Licensing Executive Society’s National Deal of Distinction Award. She has served on numerous Board of Directors including NCURA, the Council on Governmental Relations, the National Academy of Science University/Industry Demonstration Partnership (UIDP) and the FBI Citizens Board.

She currently serves on NCURA’s Professional Development Committee and the Global Affairs Committee, and is Co-editor of the Research Management Review Journal.
Elise Levine is Director of the Writing and Science Writing programs. She is the author of two novels, Blue Field and Requests and Dedications, and the story collection Driving Men Mad. Her fiction, personal essays, and poems have also appeared in publications including Ploughshares, Gettysburg Review, Blackbird, and Best Canadian Stories, among many others. Originally from Toronto, she is the recipient of a Canadian National Magazine Award for fiction, as well as awards from the Canada Council for the Arts, the Ontario Arts Council, and the Toronto Arts Council, as well as fellowships from the MacDowell Colony and Yaddo, among others.

She has previously taught literature and creative writing most recently at American University in Washington, DC, and Dickinson College in Carlisle, PA. She holds an MFA in Creative Writing from Vermont College of Fine Arts.

Karen Houppert is the Associate Director of the MA in Writing program at Johns Hopkins. She is the author of three books, was a contributing writer for The Washington Post magazine for several years, and now freelances for various magazines and newspapers, covering social and political issues.

A former staff writer for The Village Voice, she has won many awards for her coverage, including a National Women’s Political Caucus Award, a Newswomen’s Club of New York “Front Page Award,” and multiple Maryland/DC/Delaware Press Association Award in 2015 and 2016. She has also been awarded numerous fellowships, grants and residencies including a 2013 John Jay/H.F. Guggenheim Reporting Fellow, a 2012 John Jay Public Welfare Reporting Fellow, a 2008 Kaiser Media Fellow, multiple Nation Institute Investigative grants, and a Casey Journalism fellowship.


She is the author of three nonfiction books: The Curse: Confronting the Last Taboo, Menstruation (FSG, 1999); Home Fires Burning: Married to the Military—for Better or Worse(Ballantine, 2005); and Chasing Gideon: The Elusive Quest for Poor People’s Justice, which was selected as one of the Top 10 Books Investigative books of 2013 by the Nieman Foundation for Journalism at Harvard University.

She earned her MFA from the Bennington Writing Seminars.
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