



## Bridges not Barriers: The Law-STEM Alliance as a Catalyst for Innovation

### Speakers' Biographies

#### Esther Barron

Esther Barron is the Harry B. Reese Teaching Professor of Law and the Director of the Entrepreneurship Law Center in the Bluhm Legal Clinic at Northwestern University School of Law. Prior to joining Northwestern's faculty, Barron practiced law at Goldberg Kohn in Chicago in its commercial finance department, representing lenders and other financial institutions in middle market debt transactions. In 2004, Barron co-founded a start-up handbag company, Elezar, LLC, targeting high-end boutiques and department stores; Elezar bags are currently sold throughout the country. Barron teaches a variety of classes in the areas of business and entrepreneurship, including Business Associations, Corporate Law, Entrepreneurship Law, Structuring Transactions, Entrepreneurial Finance and Venture Capital, Medical Innovation, and the Entrepreneurship Clinic class; she is also the co-creator of a MOOC on Law and the Entrepreneur. Barron is co-author of a casebook on entrepreneurship law, and a frequent speaker and presenter on topics involving entrepreneurship and entrepreneurship education. She is also a highly-regarded mentor in the start-up community. Barron graduated Cum Laude from Brandeis University and received her JD from Northwestern University School of Law.

#### Brian Beeler

Mr. Beeler is the Executive Vice President and General Counsel at Horizon Pharma; previously, he was the chief compliance officer and associate general counsel at Horizon. Mr. Beeler has more than 15 years of experience providing legal and business advice and counsel to businesses in the healthcare and life sciences industries. Prior to joining Horizon Pharma, Mr. Beeler served as associate general counsel for Fenwal, Inc., a global life sciences manufacturer of products for transfusion medicine. Prior to Fenwal, he was senior counsel, Business Development, Commercial, and Research and Development, at TAP Pharmaceutical Products and Takeda Pharmaceuticals North America and also previously served as chief compliance officer at Schwarz Pharma. Mr. Beeler is licensed to practice law in the states of Illinois and Indiana. He received his JD from Indiana University School of Law, his MBA from Kellogg School of Management at Northwestern University and his BA from Purdue University.

#### Nicholas Campbell

Nicholas Campbell is Privacy Program Manager at Google in Mountain View, California, in which capacity he is involved in creating policy and developing programs in the privacy area. He also manages analysis and approval of new products and tools with privacy requirements. Before joining Google, he was a Senior Analyst – Information Protection at Target, where he worked with business units in new and ongoing projects to identify information protection requirement and determine whether proposed solutions met corporate standards and policies. Nick was also a Privacy Analyst/Discovery Project Manager for Takeda Pharmaceuticals in Deerfield, Illinois. Nick earned his MS in Computer Science from DePaul University and his JD from DePaul University College of Law.

### David Dana

David Dana is Kirkland & Ellis Professor of Law at Northwestern Law School. David is a leading scholar in the fields of environmental law, property, land use, and professional responsibility. Before becoming a professor, he was a litigator in both the private (Wilmer, Cutler & Pickering) and public (U.S. Department of Justice) sectors. He taught at Boston University before joining Northwestern, and has been a visiting professor at Harvard and Virginia as well several foreign universities. His work on the Takings Clause has been widely cited, as has his writing on the ethics of aggregate legal representation. His current scholarly work focuses on a range of topics, including environmental and health risks posed by emerging technologies, climate change adaptation, the foreclosure crisis, and attorney fees and fee alternatives.

### Peter DiCola

Peter DiCola is Associate Professor of Law and Searle Research Fellow at Northwestern Law School. Peter uses empirical methods and applied economic models to study intellectual property law, media regulation, and their intersection. He received his JD and his PhD in economics from the University of Michigan. His research has centered on the music industry and related industries. In graduate school, he worked with the non-profit Future of Music Coalition on many research projects and he continues to serve on its board of directors. His current work focuses on copyright law's regime for digital sampling and deregulation in the radio industry.

### Becky Eisenberg

Rebecca S. Eisenberg, the Robert and Barbara Luciano Professor of Law, regularly teaches courses on patent law, trademark law, and FDA law, and runs workshops on intellectual property and student scholarship. She previously taught courses on torts, legal regulation of science, and legal issues in biopharmaceutical research. She has written and lectured extensively about the role of intellectual property in biopharmaceutical research, publishing in scientific journals as well as law reviews. She spent the 1999-2000 academic year as a visiting professor of law, science, and technology at Stanford Law School. She has received grants from the Ethical, Legal, and Social Implications Program of the Human Genome Project from the U.S. Department of Energy Office of Biological and Environmental Research for her work on private appropriation and public dissemination of DNA sequence information. Prof. Eisenberg has played an active role in public policy debates concerning the role of intellectual property in biopharmaceutical research. She is a graduate of Stanford University and Boalt Hall School of Law at the University of California, Berkeley, where she was articles editor of the California Law Review. Following law school she served as law clerk for the Hon. Robert F. Peckham of the U.S. District Court for the Northern District of California and then practiced law as a litigator in San Francisco. She joined the Michigan Law faculty in 1984.

### Satyender Goel

Dr. Satyender Goel is a research faculty and Director of HealthLNK at Northwestern Medicine. He has more than 10 years of experience in scientific information technology including bioinformatics, large scale modeling in materials and physical chemistry, and healthcare informatics. He is an informatics specialist for the Chicago Area Patient Centered Outcome Research Network (CAPriCORN), and informatics lead for the Hep C Community Alliance to Test and Treat (HepCCATT). Dr. Goel has been instrumental in building the state level registries for Quality Improvement in IL hospitals. He leverages his technical knowledge and tech transfer experience in sourcing new avenues to build a strong and sustained HIT resource for Chicagoans. Satyender is the founder of postdoctoral forum 'NUPF' at Northwestern University and Chair of its advisory board. He also

serves at the advisory board of two healthcare start-ups in Chicago. In his free time he can be found at '1871'/'MATTER Chicago', the co-working spaces for start-ups. Satyender has completed a certificate program "Business for Scientists" in Kellogg school of management; possess PhD in Chemistry from University of Central Florida, and received masters in chem-informatics from The University of Manchester, UK.

### [Kimberly Gray](#)

Kimberly Gray joined the Department of Civil and Environmental Engineering at Northwestern University in 1995. After receiving her Ph.D. from the Johns Hopkins University she worked as a research engineer for the Lyonnaise des Eaux in Paris, France for 2 years. Her areas of expertise are environmental catalysis and physicochemical processes in natural and engineered environmental systems with particular focus on energy and sustainability applications. She studies the synthesis, characterization and performance of photo-active materials, principally TiO<sub>2</sub>-based nanocomposites for solar fuel production and water/air treatment. In addition, she is investigating biofuel production on marginal land. Work in her group also involves the investigation of chemical fate in natural systems. She probes the role of periphyton (algal biofilms) in contaminant accumulation in stream sediments and in denitrification in wetlands. She studies the ways in which detailed understanding of ecological relationships (periphyton structure, dynamic food web descriptions) improves our ability to predict chemical transfer (bioaccumulation) in aquatic systems and ultimately human health risks. Application of this research is important in efforts to restore critical ecosystems (Great Lakes), to make ecological forecasts in the face of climate change and to employ ecosystem function for environmental protection (treatment wetlands). She is also studying the ecotoxicological impacts of nanomaterials in aquatic systems. Recent work entails the adaptive design of urban systems to incorporate coupled ecological processes in response to climate change and demographic shifts. Gray was a recipient of the NSF Presidential Young Investigator Award. She was the Associate Director of the NSF Environmental Molecular Science Institute for Environmental Catalysis at NU from 1998-2005 and from 2003-2010 was the Director of the Environmental Science, Engineering and Policy Program. She was the 1998-99 president of the Association of Environmental Engineering and Science Professors and was a member of the Board of Directors from 1996-2000. She co-directed the Northwestern Institute for Sustainable Practices from 2008 - 2010. In 2007 she received the McCormick Excellence Award in Research, Teaching and Citizenship. She was selected as the 2008-2010 Sigma Xi Distinguished Lecturer for her work in the areas of sustainability, energy and ecological restoration. Gray was chosen one of the 2008 Aldo Leopold Leadership Fellows by the Woods Institute for the Environment at Stanford University. She works closely with the Chicago Legal Clinic to provide technical expertise to solve environmental problems for low-income urban communities. She was a Senior Science Fellow at the Environmental Law and Policy Center. She is the author of over 100 scientific papers and lectures widely on energy, climate and environmental issues.

### [Margot Kaminski](#)

Professor Margot E. Kaminski researches and writes on law and technology. She is a graduate of Harvard University and Yale Law School. Professor Kaminski's research and policy work focuses on media freedom, online civil liberties, international intellectual property law, legal issues raised by AI and robotics, and surveillance. She has written on law and technology for the popular press, and appeared on NPR's On the Media and other radio shows and podcasts. Her article, "The Capture of International Intellectual Property Law Through the U.S. Trade Regime" was published in the Southern California Law Review; and her essay on domestic drone use, "Drone Federalism: Civilian Drones and the Things They Carry" was published in the

California Law Review Circuit. From 2011 to 2014, Professor Kaminski served as the executive director of the Information Society Project at Yale Law School, an intellectual center addressing the implications of new information technologies for law and society. She remains an affiliated fellow of the Yale ISP. She was a law clerk to the Honorable Andrew J. Kleinfeld of the Ninth Circuit Court of Appeals in Fairbanks, Alaska. Prior to attending law school, Professor Kaminski worked for a literary agency and as a freelance writer. While at Yale, she co-founded the Media Freedom and Information Access Clinic (MFIA), and worked as a Google Policy Fellow at the Electronic Frontier Foundation.

### [Abel Kho](#)

Dr. Kho is the Director of the Center for Health Information Partnerships and Assistant Professor in Medicine-General Internal Medicine and Geriatrics, Center for Healthcare Studies - Institute for Public Health and Medicine and Preventive Medicine-Health and Biomedical Informatics. Dr. Kho's research involves the creation of electronic networks spanning multiple institutions. He developed an electronic network to enable infection control providers to share infection data across the major healthcare providers within Indianapolis. The system currently tracks thousands of patients with drug-resistant infections in the region and provides secure real-time admission alerts to infection control providers. He continues this AHRQ funded research as a Regenstrief Affiliated Scientist. His research interests also include the application of geographic information systems, and large dataset-driven decision support to improving infection control processes. He is actively involved in a project linking Electronic Medical Record data with genomic data across multiple institutions.

### [Howard Learner](#)

Howard Learner is the President and Executive Director of the Environmental Law & Policy Center. Mr. Learner is responsible for ELPC's overall strategic leadership, policy direction and financial platform. Before founding ELPC, he was the General Counsel of Business and Professional People for the Public Interest, a public interest law center, specializing in complex civil litigation and policy development. Mr. Learner previously served as General Counsel for Business and Professional People for the Public Interest, specializing in complex environmental, energy, economic development and civil rights litigation and policy advocacy. He also served as the founding Chair of the Illinois Citizens Utility Board, a large consumer advocacy organization, and as Legal Counsel for the Chicago Energy Commission, which assessed energy policies and expenditures for the City of Chicago. Much of Mr. Learner's work has concentrated on developing and advocating new directions on environmental policy issues, including: developing clean renewable energy and energy efficiency resources to avoid global warming and other pollution from conventional power plants; designing "smart growth" transportation and land use strategies to counteract sprawl; protecting the Midwest's wild and natural places; and leading efforts to develop a Midwest high-speed rail network that can produce complementary environmental quality, economic development and employment benefits. Mr. Learner received his law degree from Harvard Law School, and a B.A. (Honors) from the University of Michigan. He has served on the Board of Directors of the American Council for Renewable Energy, Friends of Israel's Environment (Chair), Illinois Citizens Action, Leadership Greater Chicago Fellows Association and Wind on the Wires. He also served on the Executive Committee of the Board of the Environmental Law Institute and as a Trustee and Chair of the Grantmaking Committee of the Illinois Clean Energy Community Foundation. Mr. Learner is an Adjunct Professor at Northwestern University Law School and the University of Michigan Law School and has a Lecturer appointment at the University of Chicago, teaching environmental and policy law.

## Malavika Jayaram

Malavika Jayaram is a Fellow at the Berkman Center for Internet and Society at Harvard University, where she is exploring the business case for protecting privacy and free expression in India, in the context of big data projects and threats to internet freedom. A graduate of the National Law School of India, she has an LL.M. from Northwestern University, and is working towards a PhD in law. She is on the advisory board of the Indian Journal of Law & Technology and is the author of the India chapter for the Data Protection & Privacy volume in the Getting the Deal Done series. During 2012-2013, she was a Visiting Scholar at the Annenberg School for Communication, University of Pennsylvania, within the Center for Global Communication Studies. Ms. Jayaram works broadly in the areas of privacy, identity, free expression and internet policy in India. A practicing lawyer specializing in technology law, she has a particular interest in new media and the arts, and has advised start-ups, innovators, scientists, educational institutions and artists. A Fellow at the Centre for Internet and Society in Bangalore, India, she follows legislative and policy developments in the privacy and internet governance domains. For the last few years, she has been looking at the evolution of big data and e-governance projects in India – particularly the world’s largest biometric ID project – and their implications for identity, freedom, choice and informational self-determination. Previously, Malavika spent eight years in London with the global law firm Allen & Overy in the Communications, Media & Technology group, and as Vice President and Technology Counsel at Citigroup. She was one of 10 Indian lawyers selected for The International Who’s Who of Internet e-Commerce & Data Protection Lawyers directory for 2012 and 2013. In August 2013, she was voted one of India’s leading lawyers - one of only 8 women to be featured in the “40 under 45” survey conducted by Law Business Research, London.

## Leslie Oster

Leslie Oster is a Clinical Associate Professor of Law at Northwestern University School of Law. Before coming to Northwestern in 2012, Leslie worked in a variety of administrative and academic positions in legal education. She was the Dean of Students at Berkeley’s law school for eleven years, and also held positions as Special Assistant to the Dean at the University of San Diego School of Law and Assistant Dean for Strategic Planning at the University of Texas at Austin. She has taught a variety of skills classes and classes on the courts, as an instructor at UC Hastings, Director of Legal Writing at UC Berkeley, Director of Lawyering Skills at the University of San Diego, and a Senior Lecturer at UT-Austin. Prior to her career in legal education, Leslie worked as a city attorney and clerked in the California Court of Appeal; she received her law and undergraduate degrees from UC Berkeley. At Northwestern, Leslie is teaching Medical Innovation, a cross-disciplinary course including students in law, medicine, business, and engineering, and working on new academic initiatives; she directs the Master of Science in Law degree, a one-year master’s degree for STEM-trained students.

## Julio Ottino

Julio M. Ottino is the dean of the Robert R. McCormick School of Engineering and Applied Sciences at Northwestern University where he holds the titles of Distinguished Robert R. McCormick Institute Professor and Walter P. Murphy Professor of Chemical and Biological Engineering. Born in Argentina, he had a career as an artist before he moved to the United States for his PhD in chemical engineering at the University of Minnesota. He then held a faculty position at UMass/Amherst and held chaired and senior appointments at Caltech, Stanford, and the University of Minnesota. He joined Northwestern in 1991 and was chairman of the Department of Chemical and Biological Engineering from 1992 to 2000. He was the founder and co-director of the Northwestern Institute on Complex Systems. As dean, he launched the Segal Design Institute, the Farley

Center for Entrepreneurship and Innovation, and he was instrumental in the creation of the Initiative in Sustainability and Energy at Northwestern (ISEN). Ottino's experimental and theoretical work unveiled the connection between chaos and mixing of fluids and opened multiple connections. His research has been featured in articles and on the covers of *Nature*, *Science*, *Scientific American*, *the Proceedings of the National Academy of Sciences of the USA*, and other publications, and has impacted fields as diverse as complex systems, fluid dynamics, granular dynamics, microfluidics, geophysical sciences. Ottino has served on committees of the National Research Council and the National Academy of Engineering and was a member of the International Review of Engineering in the United Kingdom. He was a senior advisor to Unilever, a member of the Technical Advisory Board of Dow Chemical, and served on advisory and visiting boards for startups, non-profit organizations and educational institutions in the United States. Ottino has received many national awards including the Alpha Chi Sigma Award and the William H. Walker from the American Institute of Chemical Engineers (AIChE), and the Fluid Dynamics Prize from the American Physical Society. He has been a Guggenheim Fellow and a Sigma Xi Lecturer. In 2008, he was selected by the AIChE as one of the "One Hundred Engineers of the Modern Era." He has lectured to a range of diverse audiences in topics ranging from the purely technical to creativity and art. Ottino has given numerous named lectureships, including the Lacey Lectures at Caltech, the Corrsin Lecture in Johns Hopkins, the Centennial Lecture in Maryland, the Pirkey Lecture at Texas/Austin, and the Danckwerts Lecture in England. He is a fellow of the American Physical Society and the American Association for the Advancement of Science and is a member of both the National Academy of Engineering and the American Academy of Arts and Sciences. Dean Ottino's interests are at the intersection of art, science and technology. He is currently working on a book about the creative processes connecting these domains.

### [Laura Pedraza-Fariña](#)

Laura Pedraza Fariña joined the Northwestern faculty in 2013 as an Assistant Professor of Law. She is also a faculty affiliate of the Science in Human Culture Program at Northwestern. She received her J.D. from Harvard Law School and her Ph.D. in genetics from Yale University. Her research interests include intellectual property, patent law, and international organizations. Her scholarship on intellectual property law uses the methodology of history and sociology of science and technology to analyze and inform the design of patent law. Her current projects include an analysis of the implications of sociological studies on tacit scientific knowledge for the disclosure theory of patent law, and a study of how the specialized court structure of patent law influences the content of patent decisions.

### [Ted Parson](#)

Edward A. (Ted) Parson is Dan and Rae Emmett Professor of Environmental Law and Faculty Co-Director of the Emmett Institute on Climate Change and the Environment at the University of California, Los Angeles. Parson studies international environmental law and policy, the role of science and technology in policy-making, and the political economy of regulation. His articles have appeared in *Science*, *Nature*, *Climatic Change*, *Issues in Science and Technology*, the *Journal of Economic Literature*, and the *Annual Review of Energy and the Environment*. His most recent books are *The Science and Politics of Global Climate Change* (with Andrew Dessler) (2nd ed. Cambridge, 2010), and *Protecting the Ozone Layer: Science and Strategy* (Oxford, 2003), which won the 2004 Sprout Award of the International Studies Association and is widely recognized as the authoritative account of the development of international cooperation to protect the ozone layer. Parson has led and served on multiple advisory committees, for the National Academy of Sciences, the U.S. Global Change

Research Program, and other national and international bodies. He was formerly Joseph L. Sax Collegiate Professor of Law, Professor of Natural Resources and Environment, and Professor of Public Policy at the University of Michigan, and spent twelve years on the faculty of Harvard's Kennedy School of Government. In addition to his academic positions, Parson has worked and consulted for the White House Office of Science and Technology Policy, the Office of Technology Assessment of the U.S. Congress, the Privy Council Office of the Government of Canada, the U.N. Environment Program, and the International Institute for Applied Systems Analysis (IIASA). He holds degrees in physics from the University of Toronto and in management science from the University of British Columbia, and a Ph.D. in Public Policy from Harvard. In former lives, he was a professional classical musician and an organizer of grass-roots environmental groups.

### [Daniel Rodriguez](#)

Daniel B. Rodriguez was appointed Dean and Harold Washington Professor at Northwestern Law School in January 2012. A nationally prominent law teacher and scholar, Rodriguez's principal academic work is in the areas of administrative law, local government law, and constitutional law. He also has a special interest in the law-business-technology interface and its impact on the future of legal education. He is a leader in the application of political economy to the study of public law and has authored or co-authored a series of influential articles and book chapters in this vein. Dean Rodriguez has served in various professional leadership roles. He recently completed his term as President of the Association of American Law Schools (AALS) and is currently serving as a council member of the American Law Institute and as a member of the newly-created ABA Commission on the Future of Legal Services. Rodriguez also serves on the Board of Directors of the American Bar Foundation. Prior to joining Northwestern Law, Rodriguez served as Minerva House Drysdale Regents Chair in Law at the University of Texas-Austin; as a Research Fellow at Rice University's Baker Institute for Public Policy; as Dean and Warren Distinguished Professor of Law at the University of San Diego School of Law; and, as a Professor of Law at University of California, Berkeley's Boalt Hall. In addition, he has been a visiting professor at Columbia University, University of Southern California, University of Illinois, and at the Free University of Amsterdam, The Netherlands. After receiving his law degree from Harvard, Rodriguez clerked for Judge Alex Kozinski of the United States Court of Appeals for the Ninth Circuit. He is a Distinguished Alumnus award winner from his undergraduate institution, the California State University, Long Beach.

### [Peter Safir](#)

Peter Safir is a partner and co-chairman of the Food and Drug practice group at Covington & Burling LLP. Mr. Safir has been practicing in the food and drug field for over 25 years and is widely recognized in the pharmaceutical industry as one of the leading food and drug regulatory lawyers. In recent years, Mr. Safir has worked primarily with the research-based pharmaceutical industry, concentrating on marketing practices, life cycle management, and issues involving drug quality and manufacturing. Mr. Safir has conducted numerous internal investigations for pharmaceutical and medical device companies involving fraud and abuse, advertising, and promotional practices. He has defended enforcement actions in the marketing and manufacturing areas, representing both companies and corporate executives targeted by the FDA. Mr. Safir has published and spoken widely in the area of drug regulation and has been a Professorial Lecturer in Food and Drug Law at George Washington University Law School since 1991. Mr. Safir is a graduate of Princeton University and the Yale Law School.

## David Schwartz

Professor Schwartz recently joined the Northwestern University Law School, after having been a professor at IIT Chicago-Kent, where he taught classes in patent law, patent litigation and intellectual property strategies. In 2012, Professor Schwartz received the Excellence in Teaching Award from IIT. Before becoming a law professor, Schwartz practiced intellectual property law, focusing on patents and patent litigation, for over a decade. He was a partner at two intellectual property boutique firms in Chicago, where his practice included patent, copyright, trademark and trade secrets litigation; patent and trademark prosecution; and intellectual property-related transactions. He began his career as an associate at Jenner & Block. Professor Schwartz's research focuses on empirical studies of patent law and judicial behavior, including of the use contingent fee representation in patent litigation; reversal rates in patent claim construction cases; litigation involving non-practicing entities; the effect of the presumption of validity on jurors; and the doctrine of equivalents. He has also studied the use of legal scholarship by the judiciary. His scholarship has appeared in leading law journals such as the University of Chicago Law Review, Cornell Law Review, the Harvard Journal of Law & Technology, the Michigan Law Review, and the Northwestern Law Review. Professor Schwartz was the program director for the Richard Linn Inn of Court, which focuses on intellectual property law, and he also served on the board of managers for the Intellectual Property Law Association of Chicago. Professor Schwartz is registered to practice before the U.S. Patent and Trademark Office. Professor Schwartz graduated cum laude from the University of Michigan Law School, where he was a contributing editor for the University of Michigan Law Review. He earned a B.S. degree with high distinction in chemical engineering from the University of Illinois at Urbana-Champaign and was a member of Tau Beta Pi, an engineering honors society.

## James Speta

Jim Speta has been a member of the Northwestern faculty since 1999. His research interests include telecommunications and internet policy, antitrust, administrative law, and market organization. A graduate of the University of Michigan Law School, Speta clerked for Judge Harry T. Edwards on the United States Court of Appeals for the D.C. Circuit. Before becoming a law teacher, he practiced appellate, telecommunications, and antitrust law with the Chicago firm of Sidley & Austin.

## John Veschi

John Veschi is currently the Chief Executive Officer of Marquis Technologies; prior to this position, Mr. Veschi was the Chief Executive Officer of Rockstar Consortium Inc. and the Chief Intellectual Property Officer for Nortel Networks Inc. At Nortel, Mr. Veschi was responsible for managing the company's global IP assets, including its reverse engineering and patent prosecution activities. Prior to Nortel, Mr. Veschi served as a General Manager of LSI's IP Business, while also serving as LSI's Chief IP Counsel. In that role, he led a P&L business, which negotiated patent agreements yielding hundreds of millions of dollars in licensing revenue. Mr. Veschi served in an equivalent executive position at Agere Systems, which was purchased by LSI in 2007. Mr. Veschi has worked as an IP attorney at Lucent Technologies and in private practice at Foley & Lardner. He has been a Director of MOSAID Technologies Inc. and Immersion Corporation. Mr. Veschi holds a BS in Electrical Engineering from Lafayette College, an MBA from George Washington University, and a Juris Doctor, summa cum laude, from the University of Maryland.

## Michael Wasielewski

Professor Wasielewski received his Bachelor of Science and Ph.D. degrees from the University of Chicago.

Following his graduate work, he was a postdoctoral fellow at Columbia University. He then joined the scientific staff of Argonne National Laboratory, where he rose through the ranks to become Group Leader of the Molecular Photonics Group. In 1994, he joined the faculty of Northwestern University, where he is currently the Clare Hamilton Hall Professor of Chemistry. He served as Chair of the Chemistry Department at Northwestern from 2001-2004. He is currently the Director of the Argonne-Northwestern Solar Energy Research (ANSER) Center, which is a US-DOE Energy Frontier Research Center, and the Solar Fuels Institute, a global consortium of research centers. He is also Executive Director at the Institute for Sustainability and Energy at Northwestern (ISEN). Professor Wasielewski's research focuses on light-driven charge generation and transport in molecules and supramolecular materials, artificial photosynthesis, molecular systems for solar fuels and electricity, molecular electronics, spin dynamics, spintronics, and time-resolved optical and EPR spectroscopy. His research has resulted in over 430 publications. Professor Wasielewski was elected a Fellow of the American Association for the Advancement of Science in 1995, and has held numerous distinguished lectureships and fellowships. Among Professor Wasielewski's recent awards are the 2013 RSC Environment Prize, the 2013 Humboldt Research Award, the 2012 Arthur C. Cope Scholar Award of the American Chemical Society, the 2008 Porter Medal for Photochemistry, the 2006 James Flack Norris Award in Physical Organic Chemistry of the American Chemical Society, and the 2004 Photochemistry Research Award of the Inter-American Photochemical Society.

### [Ryan Whalen](#)

Ryan Whalen is a JD candidate at Northwestern Law and a PhD Candidate in Northwestern's Media, Technology & Society program. His research uses computational analysis methods to provide a unique perspective on problems concerning the law and innovation policy. His recent work focuses on developing objective measures of invention similarity and combining those measures with large sets of data about patents, inventors and assignees to help further our understanding of what leads to successful innovation. During his time at Northwestern Law, Ryan served as Editor-in-Chief of the Northwestern University Law Review and was a member of the Intellectual Property Law Society.

### [Kimberly Wong](#)

Kimberly Wong is Senior Counsel in the Global Digital, Information Technology and Governance group at McDonald's Corporation. She advises on all aspects of consumer and employee privacy, partnering with cross functional teams to guide McDonald's global privacy practices and compliance with data protection laws and regulations. Prior to joining McDonald's, Kimberly was an associate in the Privacy and Data Protection group at Baker & Hostetler LLP, where she counseled clients regarding data security incidents, provided guidance to clients responding to federal and state agency investigations, advised clients involved in privacy litigation, and provided proactive counseling regarding compliance with privacy laws. She received her B.A. from Smith College and her J.D. from Rutgers School of Law – Camden.

### [Teresa Woodruff](#)

Dr. Woodruff is the Thomas J. Watkins Professor of Obstetrics & Gynecology, the Vice Chair of Research (OB/GYN), and the Chief of the Division of Reproductive Science in Medicine at Feinberg School of Medicine; she is also Professor of Molecular Biosciences at the Weinberg College of Arts and Sciences at Northwestern University. She is an internationally recognized expert in ovarian biology and, in 2006, she coined the term "oncofertility" to describe the merging of two fields: oncology and fertility. She now heads the Oncofertility

Consortium, an interdisciplinary team of biomedical and social scientist experts from across the country. She founded and directs the Oncofertility Saturday Academy (OSA), one of several high school outreach programs that engages girls in basic and medical sciences, and developed the concept for a National Physicians Cooperative in Oncofertility (NPC) to link medical practices interested in fertility preservation protocols. Dr. Woodruff also serves as the founding director of the Women's Health Research Institute, which has as its mission 'science to care' and ensuring that sex and gender are part of the research mission. Because of her work in inclusion, she was recently highlighted by Leslie Stahl on a 60 Minutes report and has written extensively on inclusion of sex and gender in science and medicine (PNAS, Nature). She was named to the Time Magazine 2013 list of the World's Most Influential People as the only scientist on the list. Dr. Woodruff was awarded the Presidential Award for Excellence in Science Mentoring in an oval office ceremony; her other awards include the Beacon Award from Frontiers in Reproduction, the Women in Science Award from the Weitzman Institute, and an Alumni Association Merit Award from Northwestern. In addition to her academic stewardship, she also served as the President of the Endocrine Society. Dr. Woodruff leads a large group of scientists, postdoctoral fellows, graduate students, undergraduates, visiting scholars and technicians who together make up the Woodruff Lab; members of the lab are making important breakthroughs in follicle biology, oocyte quality and translating this work to patients.