



Junior Faculty Forum for Law and STEM

October 15-16, 2021

Northwestern
PRITZKER SCHOOL OF LAW

 Penn Law
UNIVERSITY of PENNSYLVANIA CAREY LAW SCHOOL

Stanford
LawSchool

AGENDA

Friday, October 15, 2021

- 8:30 am **Registration and Breakfast**
- 9:00 am **Opening Remarks**
- 9:15 am **Health AI for Good Rather Than Evil? The Need for a New Regulatory Framework for AI-Based Medical Devices**
Sara Gerke (Penn State Dickinson Law)
COMMENTATORS:
Brian Litt (University of Pennsylvania Perelman School of Medicine)
Theodore Ruger (University of Pennsylvania Carey Law School)
- 10:15 am **Brains Without Money: Poverty as Disabling**
Emily Murphy (UC Hastings College of the Law)
COMMENTATORS:
Martha Farah (University of Pennsylvania Department of Psychology)
Jasmine Harris (University of Pennsylvania Carey Law School)
Karen Tani (University of Pennsylvania)
- 11:15 am **Break**
- 11:30 am **Monitoring Corporate Cybersecurity & Data Privacy Risk**
Tabrez Ebrahim (California Western School of Law)
COMMENTATORS:
Lisa Fairfax (University of Pennsylvania Carey Law School)
Josephine Wolff (The Fletcher School at Tufts University)
- 12:30 pm **Lunch**
- 1:30 pm **The End of Accidents**
Matthew Wansley (Benjamin N. Cardozo School of Law)
COMMENTATORS:
Tom Baker (University of Pennsylvania Carey Law School)
Rahul Mangharam (University of Pennsylvania School of Engineering and Applied Science)
- 2:30 pm **The PrEP Penalty**
Doron Dorfman (Syracuse University College of Law)
COMMENTATORS:
Peter Liu (University of Pennsylvania Perelman School of Medicine)
Dorothy Roberts (University of Pennsylvania)
- 3:30 pm **Break**

3:45 pm **The Accidental Innovation Policymakers**
Rachel Sachs (Washington University in St. Louis School of Law)
COMMENTATORS:
Rebecca Eisenberg (University of Michigan Law School)
Bhaven Sampat (Columbia University Mailman School of Public Health)

4:45 pm **Pharmaceutical Patents and Adversarial Examination**
Dmitry Karshedt (George Washington University Law School)
COMMENTATORS:
Arti Rai (Duke University School of Law)
David Schwartz (Northwestern University Pritzker School of Law)

6:00 pm **Dinner**

Saturday, October 16, 2021

8:30 am **Breakfast**

9:00 am **Discredited Data**
Ngozi Okidegbe (Benjamin N. Cardozo School of Law)
COMMENTATORS:
Richard Berk (University of Pennsylvania Department of Criminology)
Sandra Mayson (University of Pennsylvania Carey Law School)

10:00 am **Humans in the Loop**
Rebecca Crootof (University of Richmond School of Law)
COMMENTATORS:
Kristian Hammond (Northwestern University Robert R. McCormick School of Engineering and Applied Science)
Christopher Yoo (University of Pennsylvania Carey Law School)

11:00 am **Break**

11:15 am **Privatization and Law Enforcement Privilege**
Rebecca Wexler (University of California, Berkeley School of Law)
COMMENTATORS:
Jane Bambauer (University of Arizona James E. Rogers College of Law)
Steven Bellovin (Columbia University Fu Foundation School of Engineering and Applied Science)

12:15 pm **Machine Learning as Natural Monopoly**
Tejas Narechania (University of California, Berkeley School of Law)
COMMENTATORS:
Amit Gandhi (University of Pennsylvania Department of Economics)
Mark Lemley (Stanford Law School)

1:15 pm **Closing and Lunch**

Speakers

Mark Lemley

William H. Neukom Professor of Law at Stanford Law School;
Director of the Stanford Program in Law, Science and Technology
Stanford Law School

Lemley teaches intellectual property, patent law, trademark law, antitrust, the law of robotics and AI, video game law, and remedies. He is the author of eight books and 181 articles, including the two-volume treatise *IP and Antitrust*. His works have been cited 290 times by courts, including 15 times by the United States Supreme Court, and more than 17,000 times in books and law review articles, making him the most-cited scholar in IP law and one of the four most cited legal scholars of all time. Mark is a founder of Lex Machina, Inc., a startup company that provides litigation data and analytics to law firms, companies, courts, and policymakers; as well as a founding partner of Durie Tangri LLP where he litigates and counsels clients in all areas of intellectual property, antitrust, and internet law. Lemley earned his B.A. from Stanford University and his J.D. from the University of California Berkeley School of Law.

David L. Schwartz

Frederic P. Vose Professor of Law
Associate Dean of Research and Intellectual Life
Northwestern Pritzker School of Law

David L. Schwartz has focused his teaching and research on intellectual property and patent law, with a particular emphasis on empirical studies of patent litigation. He also co-authored a casebook on the law of design, including design patents. Prior to entering academics in 2006, Professor Schwartz practiced intellectual property law, focusing on patents and patent litigation, for over a decade. From 2000 to 2006, 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 in 1995 as an associate at Jenner & Block. Schwartz obtained his B.S. from the University of Illinois at Urbana-Champaign and earned his J.D. from the University of Michigan Law School.

Christopher S. Yoo

John H. Chestnut Professor of Law
University of Pennsylvania Carey Law School
Secondary Appointment: University of Pennsylvania Annenberg School for Communication
Secondary Appointment: University of Pennsylvania School of Engineering and Applied Science,
Department of Computer and Information Science

Christopher Yoo has emerged as one of the world's leading authorities on law and technology. One of the most cited scholars in administrative and regulatory law as well as intellectual property, he has authored five books and over 100 scholarly works. His major research projects include investigating innovative ways to connect more people to the Internet; comparing antitrust law in China, Europe, and the U.S.; analyzing the technical determinants of optimal interoperability; promoting privacy and security for autonomous vehicles, medical devices, and the Internet's routing architecture; and studying the regulation of Internet platforms. He has also created innovative joint degree programs designed to

produce a new generation of professionals with advanced training in both law and engineering. Before entering the academy, Yoo clerked for Justice Anthony M. Kennedy of the U.S. Supreme Court and Judge A. Raymond Randolph of the U.S. Court of Appeals for the D.C. Circuit. He earned his A.B. from Harvard University, his M.B.A. from the University of California Los Angeles, and his J.D. from Northwestern University School of Law.

Presenters

Rebecca Crootof

Assistant Professor of Law

University of Richmond School of Law

Dr. Rebecca Crootof is an Assistant Professor of Law. Crootof's primary areas of research include technology law, international law, and torts; her written work explores questions stemming from the iterative relationship between law and technology, often in light of social changes sparked by increasingly autonomous systems, artificial intelligence, cyberspace, robotics, and the Internet of Things. She is interested in the various ways both domestic and international legal regimes respond to and shape technological development, particularly in the armed conflict context. Crootof served as a law clerk for the late Judge Mark R. Kravitz of the U.S. District Court for the District of Connecticut and for Judge John M. Walker, Jr. of the U.S. Court of Appeals for the Second Circuit. She consults for the Institute for Defense Analyses and is a member of the New York Bar, the Equal Rights Center's Board of Directors, the Center for New American Security's Task Force on Artificial Intelligence and National Security, and the Permanent Mission of the Principality of Liechtenstein to the United Nations' Council of Advisers on the Application of the Rome Statute to Cyberwarfare. Crootof earned a B.A. *cum laude* in English with a minor in Mathematics at Pomona College; a J.D. at Yale Law School; and a PhD at Yale Law School, where she graduated in the first class of PhDs in law awarded in the United States.

Doron Dorfman

Associate Professor of Law

Syracuse University College of Law

Dr. Doron Dorfman is an Associate Professor of Law at Syracuse University College of Law. His interdisciplinary research focuses on disability law and health law using doctrinal analysis and social science methodology. Dr. Dorfman's scholarship explores how stigma informs the legal treatment of disempowered communities through a variety of quantitative and qualitative methods, including experiments, surveys, interviews, and observations. He teaches Torts, Health Law, Employment Discrimination, and Disability Law. Dorfman earned a B.A. in communication (2009), an LL.B. (J.D. equivalent, 2009) and an LL.M. (2010), all from the University of Haifa. He later earned a J.S.M. (2014) and J.S.D. (2019) from Stanford Law School. Before arriving at Stanford, he was a litigator at top law firms in Israel for four years while being actively involved in NGOs such as Kav La'Oved-Worker's Hotline, where he gave legal advice to disadvantaged workers and asylum seekers.

Tabrez Y. Ebrahim

Associate Professor of Law

California Western School of Law

Professor Ebrahim is an Associate Professor at California Western School of Law. He is a Visiting Associate Professor at University of Iowa College of Law in Fall 2021 and is a Visiting Associate Professor at University of Utah S.J. Quinney College of Law in Spring 2022. He is a Scholar at George Mason University Antonin Scalia Law School with the Center for Intellectual Property x Innovation Policy (C-IP²), from which he is a recipient of a Thomas Edison Innovation Fellowship and a Leonardo da Vinci Fellowship research grant. His primary scholarship concerns patent law, business law, and law and technology. He graduated with a J.D. degree from Northwestern University Pritzker School of Law, a M.B.A. degree from Northwestern University Kellogg School of Management, a LL.M. degree from University of Houston Law Center, a M.S. degree in mechanical engineering from Stanford University, and a B.S. degree in mechanical engineering from the University of Texas at Austin.

Sara Gerke

Assistant Professor of Law

Pennsylvania State Dickinson Law

Sara Gerke joined Penn State Dickinson Law as Assistant Professor of Law in July 2021. She previously served as a Research Fellow in Medicine, Artificial Intelligence, and Law at the Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics at Harvard Law School for the Project on Precision Medicine, Artificial Intelligence, and the Law (PMAIL). Before joining the Petrie-Flom Center at Harvard Law School, Professor Gerke was the General Manager of the Institute for German, European and International Medical Law, Public Health Law and Bioethics of the Universities of Heidelberg and Mannheim (IMGB). Gerke's current research focuses on the ethical and legal challenges of artificial intelligence and big data for health care and health law in the United States and Europe. She also researches comparative law and ethics of other issues at the cutting edge of medical developments, such as the clinical translation of stem cell research, biological products, such as somatic cells, tissues, and gene therapy, reproductive medicine, such as mitochondrial replacement techniques, and digital health more generally. Gerke earned a degree in law (Dipl.-Jur. Univ.; J.D. equivalent) from the University of Augsburg with distinction-level results. She also holds a Master's degree in Medical Ethics and Law from King's College London.

Dmitry Karshtedt

Associate Professor of Law

The George Washington University Law School

Dmitry Karshtedt's primary research interest is in patent law. His legal scholarship has been published in the *Iowa Law Review*, *Vanderbilt Law Review*, and *Harvard Journal of Law & Technology*, among other outlets, and cited in three of the leading patent law casebooks, a casebook on intellectual property, and several treatises. Before going into law, Karshtedt completed a Ph.D. in chemistry from U.C. Berkeley and worked as a staff scientist for a semiconductor materials startup. He is a co-author on five scientific publications and a co-inventor on twelve U.S. patents. Karshtedt received his law degree from Stanford Law School, where he served as the Senior Symposium Editor for the *Stanford Law Review*. Karshtedt practiced in the Patent Counseling and Innovation Group at Wilson Sonsini Goodrich & Rosati and

clerked for the Honorable Kimberly A. Moore on the U.S. Court of Appeals for the Federal Circuit. Immediately prior to starting his position at GW, Professor Karshedt was a Fellow at the Center for Law and the Biosciences at Stanford Law School.

Emily Murphy

Associate Professor of Law

University of California, Hastings College of Law

Emily Murphy's research focuses on the intersection of neuroscience, behavioral science, and law. She writes about the use of neuroscience as evidence and how neuroscience and behavioral science shape public policy and legal systems. Her work has been published or is forthcoming in *Stanford Law Review*, *The Journal of Law & the Biosciences*, *Connecticut Law Review*, *William & Mary Law Review*, *Law & Psychology Review*, *Psychology Public Policy & Law*, and *Science*. Murphy earned her A.B. magna cum laude in Psychology from Harvard University, her Ph.D. in Behavioral Neuroscience and Psychopharmacology from University of Cambridge, Trinity College, as a Gates Cambridge Scholar, and her J.D. from Stanford Law School. Prior to law school she was a postdoc with Stanford Law School's Center for Law and the Biosciences as well as the MacArthur Foundation's Law and Neuroscience Project. Following law school, she clerked for the Honorable Richard A. Paez of the U.S. Court of Appeals for the Ninth Circuit. Prior to joining UC Hastings, Professor Murphy spent a year as a fellow in the Program in Understanding Law, Science, and Evidence at UCLA Law School. Before that, she practiced law at Munger, Tolles & Olson LLP, handling all aspects of complex commercial litigation, with an emphasis on professional liability and internal investigations. Her pro bono practice focused on housing issues and civil rights work addressing homelessness and incarcerated persons with disabilities.

Tejas N. Narechania

Robert and Nanci Corson Assistant Professor of Law;

Faculty Co-Director of the Berkeley Center for Law & Technology

University California, Berkeley, School of Law

Tejas N. Narechania is the Robert and Nanci Corson Assistant Professor of Law at the University of California, Berkeley, School of Law, where he writes about (and teaches courses on) telecommunications regulation and intellectual property, among other subjects. He is also a Faculty Co-Director of the Berkeley Center for Law & Technology. Before joining Berkeley Law, Narechania clerked for Justice Stephen G. Breyer of the Supreme Court of the United States (2015–2016) and for Judge Diane P. Wood of the U.S. Court of Appeals for the Seventh Circuit (2011–2012). He has advised the Federal Communications Commission on network neutrality matters, where he served as Special Counsel (2012–2013). He has a J.D. from Columbia Law School, where he received the Ruth Bader Ginsburg Prize and was the Executive Notes Editor of the *Columbia Law Review*. He also has a B.S. (Electrical Engineering and Computer Science) and a B.A. (Political Science) from the University of California, Berkeley.

Ngozi Okidegbe

Assistant Professor of Law

Benjamin N. Cardozo School of Law

Ngozi Okidegbe is an Assistant Professor of Law at Cardozo School of Law, where she first joined as the inaugural holder of the Harold A. Stevens Visiting Assistant Professorship in 2019. She researches and writes in the areas of criminal procedure, evidence, technology, and racial justice. Her recent work explores the ways in which the use of predictive technologies in the criminal justice system impact racially marginalized communities. Before joining Cardozo, Okidegbe served as a law clerk for Justice Madlanga of the Constitutional Court of South Africa and for the Justices of the Court of Appeal for Ontario. She also practiced at CaleyWray, a labor law boutique in Toronto. Okidegbe graduated with a B.C.L./LL.B from McGill University's Faculty of Law, where she was awarded the Edwin Botsford Busteded Scholarship, the Rosa B. Gualtieri Prize, the Daniel Mettarlin Memorial Scholarship, and the Schull Yang Award. She subsequently earned her LL.M from Columbia Law School, where she graduated as a James Kent Scholar.

Rachel Sachs

Treiman Professor of Law

Washington University in St. Louis School of Law

Rachel Sachs is a nationally renowned scholar of innovation policy, exploring intellectual property law, food and drug regulation, and health law. Her scholarship has appeared in *The NYU Law Review*, *The Michigan Law Review*, *The Harvard Law Review*, *The New England Journal of Medicine*, and *The Journal of the American Medical Association*. Prior to joining WashU Law, Sachs was an academic fellow at the Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics, and a Lecturer in Law at Harvard Law School. Sachs received her J.D. from Harvard Law School, her M.A. from Harvard School of Public Health, and her B.A. from Princeton University.

Matthew Wansley

Assistant Professor of Law

Benjamin N. Cardozo School of Law

Matthew Wansley researches venture capital law and risk regulation. Before joining the faculty at Cardozo, he was the General Counsel of nuTonomy Inc., an autonomous vehicle startup. Before that, he was a Climenko Fellow and Lecturer on Law at Harvard Law School. He clerked for the Hon. Scott Matheson on the U.S. Court of Appeals for the Tenth Circuit and the Hon. Edgardo Ramos on the U.S. District Court for the Southern District of New York. His research has been published or is forthcoming in the *Administrative Law Review*, the *Journal of Corporation Law*, the *Indiana Law Journal*, the *U.C. Davis Law Review*, and the *Vanderbilt Law Review*. Wansley received his J.D. from Harvard Law School and his B.A. from Yale University.

Rebecca Wexler

Assistant Professor of Law;
Faculty Co-Director of the Berkeley Center for Law & Technology
University of California, Berkeley, School of Law

Rebecca Wexler is an Assistant Professor of Law at the University of California, Berkeley, School of Law, where she teaches, researches, and writes on issues concerning data, technology, and criminal justice. Her work has focused on evidence law, criminal procedure, privacy, and intellectual property protections surrounding new data-driven criminal justice technologies. She is also a Faculty Co-Director of the Berkeley Center for Law & Technology. Before joining Berkeley Law, Wexler clerked for Judge Pierre N. Leval of the United States Court of Appeals for the Second Circuit (2017-2018) and for Judge Katherine Polk Failla of the United States District Court for the Southern District of New York (2018-2019). She has worked as a Yale Public Interest Fellow at The Legal Aid Society's criminal defense practice; a Lawyer-in-Residence at The Data and Society Research Institute; a Visiting Fellow at the Yale Law School Information Society Project; a Visiting Scholar at the Human Rights Center at Berkeley Law; a Visiting Scholar at Harvard University; and a Legal Intern at the Electronic Frontier Foundation. Wexler received her J.D. at Yale Law School, her M. Phil. at Cambridge University, and her B.A. at Harvard College. Prior to attending law school, Wexler made documentary films for national broadcast television, museums, and educational distribution. She was a 2012 Senior Fulbright Advanced Research and Lecturing Scholar in Sri Lanka. From 2010-2011, she co-founded and served as instructor for the Yale Visual Law Project.

Commentators

Tom Baker

William Maul Measey Professor of Law
University of Pennsylvania Carey Law School
*Secondary Appointment: The Wharton School, Business Economics and Public Policy Department
and Healthcare Management Department*

Tom Baker is a highly regarded insurance expert, a leading scholar of insurance law and policy, and a devoted law teacher. His research explores insurance law, institutions, and markets using methods from history, economics, psychology and sociology. His many books, articles, and reports address topics such as the impact of insurance on personal injury and securities litigation, health insurance reform, insurance underwriting and claims management, the historical development of insurance institutions, insurance company restructuring, and many aspects of insurance coverage. Current research topics include cyber liability and insurance, long term care insurance, secondary insurance markets, and the empirical study of insurance litigation. Baker is the Reporter for the American Law Institute's Restatement of the Law Liability Insurance and a co-founder of Picwell, a health data analytics company that provides advanced decision support tools to health insurance exchanges, insurers, and employers. Baker earned his B.A. in sociology and his J.D. from Harvard University.

Jane Bambauer

Professor of Law

University of Arizona Law School

Jane Bambauer is a Professor of Law at the University of Arizona. Her research assesses the social costs and benefits of Big Data and questions the wisdom of many well-intentioned privacy laws. Her articles have appeared in the Stanford Law Review, the Michigan Law Review, the California Law Review, and the Journal of Empirical Legal Studies. She holds a BS in Mathematics from Yale College and a JD from Yale Law School.

Steven M. Bellovin

Percy K. and Vida L.W. Hudson Professor of Computer Science

Columbia University Fu Foundation School of Engineering and Applied Science, Department of Computer Science

Secondary Appointment: Columbia Law School

Steven M. Bellovin works on security, privacy, and related legal and public policy issues. He has focused on the role of buggy code as a leading driver of insecurity, and on ways to use cryptography to protect personal data as well as ordinary network communications. These fields interact with governmental concerns, so he has worked with members of the executive, legislative, and judicial branches, and with the legal academy, to ensure that sound policies are adopted. Bellovin received a BA from Columbia University and an MS and PhD in computer science from the University of North Carolina at Chapel Hill. He is a member of the National Academy of Engineering and of the National Academies' Computer Science and Telecommunications Board.

Richard A. Berk

Emeritus Professor of Criminology and Statistics

University of Pennsylvania School of Arts and Sciences, Department of Criminology

Richard A. Berk is an Emeritus Professor of Criminology and Statistics at the University of Pennsylvania as well as an Emeritus Distinguished Professor of Statistics at UCLA. He works on various topics in applied statistics including causal inference, statistical/machine learning, and methods for evaluating social programs. Among his criminology applications are inmate classification and placement systems, law enforcement strategies for reducing intimate partner violence, detecting violations of environmental or worker safety regulations, claims that the death penalty serves as a general deterrent, and forecasts of criminal behavior and/or victimization using statistical/machine learning procedures. Berk earned his B.A. in psychology from Yale University and his Ph.D. in sociology from John Hopkins University.

Rebecca S. Eisenberg

Robert and Barbara Luciano Professor of Law
University of Michigan Law School

Rebecca S. Eisenberg, the Robert and Barbara Luciano Professor of Law, specializes in patent law and the regulation of biopharmaceutical innovation. She teaches courses about patent law, trademark law, international intellectual property law, and FDA law, and runs workshops about intellectual property and student scholarship. She has written and lectured extensively about the role of intellectual property in biopharmaceutical research, publishing in leading law reviews and scientific journals. She spent the 1999–2000 academic year as a visiting professor of law, science, and technology at Stanford Law School and the spring of 2012 as a visiting scholar at the Berkeley Center for Law & Technology. Professor Eisenberg has played an active role in public policy debates concerning the role of intellectual property in biopharmaceutical research, advising the National Institutes of Health and the National Academies of Science. She practiced law as a litigator in San Francisco. She joined the Michigan Law faculty in 1984. Eisenberg received her J.D. from UC Berkeley School of Law.

Lisa Fairfax

Presidential Professor;
Co-Director, Institute for Law and Economics
University of Pennsylvania Carey Law School

Before joining Penn Law School as a presidential professor and Co-Director of ILE, Lisa Fairfax was the Alexander Hamilton Professor of Business Law at the George Washington University Law School and the Director of the GW Corporate Law and Governance Initiative. Fairfax teaches courses in the business area including Corporations, Contracts and seminars in securities law and corporate governance. Fairfax's research and scholarly interests include matters related to corporate and board governance, board fiduciary duties, board-shareholder engagement, board composition and diversity, shareholder activism, affinity fraud, and securities fraud. Fairfax is a member of the American Law Institute ("ALI") as well as a member of the Advisory Group for the ALI Restatement of Law, Corporate Governance. Before entering academia, Fairfax practiced corporate and securities law with the law firm of Ropes & Gray LLP in Boston and D.C. Fairfax graduated with honors at Harvard College and earned her J.D. at Harvard Law School.

Martha J. Farah

Walter H. Annenberg Professor in Natural Sciences
University of Pennsylvania School of Arts and Sciences, Department of Psychology
Secondary Appointment: University of Pennsylvania Perelman School of Medicine, Department of Neurology and Department of Medical Ethics and Health Policy
Secondary Appointment: University of Pennsylvania Graduate School of Education

Dr. Martha J. Farah is a cognitive neuroscientist who works on problems at the interface of neuroscience and society including the effects of childhood poverty on brain development, the expanding use of neuropsychiatric medications by healthy people for brain enhancement, novel uses of brain imaging, and the many ways in which neuroscience is changing the way we think of ourselves as physical, mental, moral and spiritual beings. Her specific research areas include cognitive, social and developmental

neuroscience and neuroethics. She is also the Director of the Center for Neuroscience and Society. Farah earned her B.S. in philosophy and metallurgy and materials science from MIT and her Ph.D. in experimental psychology from Harvard University.

Amit K. Gandhi

Professor of Economics

University of Pennsylvania School of Arts and Sciences, Department of Economics

Secondary Appointment: The Wharton School, Marketing Department

Amit K. Gandhi is an applied economist specializing in industrial organization and econometrics. He has done important work on methodological model identification of demand and production functions and in auction models. He is also an economic advisor to the Microsoft Corporation. Gandhi earned his B.S. in mathematics from the University of Michigan at Ann-Arbor and obtained his M.B.A. and Ph.D. from the University of Chicago.

Kristian Hammond

Bill and Cathy Osborne Professor of Computer Science

Northwestern University Robert R. McCormick School of Engineering and Applied Science

Kristian Hammond is the Bill and Cathy Osborne Professor of Computer Science. His research interests include developing human capabilities onto machines; ethics and artificial intelligence; the way in which computers interact with law, education, and journalism; and the Future of Work. He cofounded Narrative Science, a startup that uses artificial intelligence and journalism to turn information from raw data into natural language. Hammond earned his B.S. in philosophy, and his M.S., and Ph.D. in computer science from Yale University.

Jasmine Harris

Professor of Law

University of Pennsylvania Carey Law School

Jasmine E. Harris is a law and inequality legal scholar with expertise in disability law, antidiscrimination law, and evidence. Her work seeks to address the relationship between law and equality with a focus on law's capacity to advance social norms of inclusion in the context of disability. Harris recently joined leading evidence law experts as a co-editor of the preeminent evidence treatise, McCormick on Evidence. Harris consults with federal and state lawmakers and legal advocates on issues of legislative and policy reforms related to disability laws. She also serves on the Board of Directors for The Arc of the United States and as Chair of the Legal Advocacy Subcommittee to advise the organization on impact litigation. Harris graduated *magna cum laude* from Dartmouth College with a bachelor's degree in Latin American & Caribbean Studies. She received her J.D. from Yale Law School.

Brian Litt

Professor of Neurology

University of Pennsylvania Perelman School of Medicine, Department of Neurology

*Secondary Appointment: University of Pennsylvania School of Engineering and Applied Science,
Department of Bioengineering*

Brian Litt is an attending neurologist at the University of Pennsylvania Hospital as well as the Director of the Penn Epilepsy Center and the Director of the Center for Neuroengineering and Therapeutics. He also serves as co-director of the Penn Center for Health, Devices and Technology. His areas of research expertise include epilepsy, EEG, clinical neurophysiology, epilepsy surgery, brain stimulation, implantable devices, network neuroscience, deep brain stimulation, functional imaging, neuroengineering, biomedical engineering, and computational neuroscience. He has participated in helping bring several implantable NeuroDevices to market. Litt earned his A.B in engineering and applied sciences from Harvard University, and his M.D. from John Hopkins University School of Medicine.

Peter W. Liu

Assistant Professor of Clinical Medicine

University of Pennsylvania Perelman School of Medicine

Peter W. Liu is an attending physician at the University of Pennsylvania Hospital and the Director of the Non-Tuberculous Mycobacterial Clinic. His areas of clinical expertise include Non-tuberculous Mycobacterial Infections, HIV Pre-exposure Prophylaxis, and HIV treatment. He was the recipient of the Outstanding Infectious Disease Clinical Fellow award in 2019. Liu earned his B.S. from the University of Southern California and his M.D. from Wake Forest University.

Rahul Mangharam

Associate Professor

University of Pennsylvania School for Engineering and Applied Science, Department of Electrical and Systems Engineering

*Secondary Appointment: University of Pennsylvania School of Engineering and Applied Science,
Department of Computer and Information Science*

Rahul Mangharam is an associate professor in the Department of Electrical and Systems Engineering at the University of Pennsylvania. He is a founding member of the PRECISE Center and directs the Safe Autonomous Systems Lab at Penn. His research is at the intersection of formal methods, machine learning and controls for medical devices, energy-efficient buildings, & autonomous systems. Rahul received the 2016 US Presidential Early Career Award (PECASE), the 2014 IEEE Benjamin Franklin Key Award, 2013 NSF CAREER Award, 2012 Intel Early Faculty Career Award and was selected by the National Academy of Engineering for the 2012 and 2018 US Frontiers of Engineering. Mangharam received his Ph.D. in Electrical & Computer Engineering from Carnegie Mellon University where he also received his MS and BS.

Sandra Mayson

Professor of Law

University of Pennsylvania Carey Law School

Sandra Mayson researches and writes in the fields of criminal law, constitutional law, and legal theory, with a focus on the role of preventive restraint in the criminal legal system. Her academic work draws on her experience as a trial lawyer at Orleans Public Defenders, where she represented indigent clients in criminal proceedings and trained public defenders on immigration-sensitive defense practice. Her articles have appeared in top legal journals, including the *Yale Law Journal*, *Stanford Law Review*, *Virginia Law Review*, *Duke Law Review*, *Law & Philosophy*, and *Criminal Law & Philosophy*. Mayson earned her B.A. in comparative literature from Yale University and received her J.D. from the New York University School of Law.

Arti Rai

Elvin R. Latty Professor of Law

Duke University School of Law

Arti Rai, Elvin R. Latty Professor of Law and Faculty Director, The Center for Innovation Policy at Duke Law, is an internationally recognized expert in intellectual property (IP) law, innovation policy, administrative law, and health law. Rai currently serves as a Senior Advisor on innovation-related law and policy issues to the Department of Commerce's Office of General Counsel. She also regularly advises other federal and state agencies as well as Congress on these issues. She is a member of multiple distinguished councils, including the National Academies' Forum on Drug Discovery, Development, and Translation, the Polaris Advisory Council to the Government Accountability Office, and the American Law Institute. Rai graduated from Harvard College, *magna cum laude*, with a degree in biochemistry and history (history and science) and received her J.D., *cum laude*, from Harvard Law School in 1991.

Dorothy E. Roberts

George A. Weiss University Professor

Raymond Pace and Sadie Tanner Mossell Alexander Professor of Civil Rights

University of Pennsylvania Carey Law School

University of Pennsylvania School of Arts and Sciences, Department of Africana Studies

University of Pennsylvania School of Arts and Sciences, Department of Sociology

Dorothy Roberts, an acclaimed scholar of race, gender and the law, joined the University of Pennsylvania as its 14th Penn Integrates Knowledge Professor with joint appointments in the Departments of Africana Studies and Sociology and the Law School where she holds the inaugural Raymond Pace and Sadie Tanner Mossell Alexander chair. She is also founding director of the Penn Program on Race, Science & Society in the Center for Africana Studies. Her path breaking work in law and public policy focuses on urgent social justice issues in policing, family regulation, science, medicine, and bioethics. Her major books include *Fatal Invention: How Science, Politics, and Big Business Re-create Race in the Twenty-first Century*; *Shattered Bonds: The Color of Child Welfare*; and *Killing the Black Body: Race, Reproduction, and the Meaning of Liberty*. Roberts earned her B.A. from Yale College and received her J.D. from Harvard Law School.

Theodore W. Ruger

Dean and Bernard G. Segal Professor of Law
University of Pennsylvania Carey Law School

Theodore W. Ruger is the Dean of the University of Pennsylvania Carey Law School and Bernard G. Segal Professor of Law. He is a scholar of constitutional law, specializing in the study of judicial authority, and an expert on health law and pharmaceutical regulation. His current research draws on his broader work on judicial power and constitutionalism and addresses the manner in which American legal institutions — including the U.S. Supreme Court — have shaped the field of health law over the past two centuries. Dean Ruger holds an A.B. from Williams College and a J.D. from Harvard Law School, and he was a law clerk to Justice Stephen Breyer of the United States Supreme Court and Judge Michael Boudin of the U.S. Court of Appeals for the First Circuit.

Karen M. Tani

Seaman Family University Professor
University of Pennsylvania Carey Law School
University of Pennsylvania School of Arts and Sciences, Department of History

Karen M. Tani is a scholar of U.S. legal history, with broad interests in social welfare law, administrative agencies, and the role of rights in the modern American state. Her current research is about the history of disability law in the late twentieth century. She teaches Torts, American Legal History, and Law & Inequality, as well as classes in the History Department (where she is jointly appointed). Tani is the author of *States of Dependency: Welfare, Rights, and American Governance, 1935-1972*, which won the 2017 Cromwell Book Prize from the American Society for Legal History. The book sheds new light on the nature of modern American governance by examining legal contests over welfare benefits and administration in the years between the New Deal and the modern welfare rights movement. After earning her B.A. from Dartmouth College, Tani became the first graduate of the University of Pennsylvania's J.D./Ph.D. program in American Legal History.

Bhaven N. Sampat

Professor at the Department of Health Policy and Management
Columbia University Mailman School of Public Health

Bhaven N. Sampat is a Professor at Columbia University and a Research Associate at the National Bureau of Economic Research. His research focuses on the economics and political economy of science and technology, primarily in the life sciences. His current projects examine the effects of the globalization of drug patent protection on innovation, prices, and access to medicines; the impact of the World War II research effort on the rate and direction of postwar science and innovation, and on the scientists involved; the role of the government in pharmaceutical innovation, and implications for public policy; and how crises shape innovation and innovation policy. Sampat earned his B.A., M.A., and Ph.D. in economics from Columbia University.

Josephine Wolff

Associate Professor of Cybersecurity Policy

Tufts University Fletcher School of Law and Diplomacy

Secondary Appointment: Tufts University School of Engineering, Department of Computer Science

Josephine Wolff is an associate professor of cybersecurity policy and has been associated with The Fletcher School at Tufts University since 2009. Her research interests include international Internet governance, cyber-insurance, security responsibilities and liability of online intermediaries, government-funded programs for cybersecurity education and workforce development, and the legal, political, and economic consequences of cybersecurity incidents. Her book "You'll See This Message When It Is Too Late: The Legal and Economic Aftermath of Cybersecurity Breaches" was published by MIT Press in 2018. Her writing on cybersecurity has also appeared in Slate, The New York Times, The Washington Post, The Atlantic, and Wired. Prior to joining Fletcher, she was an assistant professor of public policy at the Rochester Institute of Technology and a fellow at the New America Cybersecurity Initiative and Harvard's Berkman Klein Center for Internet & Society. She received a Ph.D. in Engineering Systems and M.S. in Technology and Policy from MIT, and an A.B. in mathematics from Princeton. As a student, she also spent time at Microsoft, the Center for Democracy and Technology, the White House Office of Science and Technology Policy, and the Department of Defense.