



THE BANDER CENTER FOR MEDICAL BUSINESS ETHICS

Presents

THE EXTRAORDINARY ROMANCE OF BIG TECH, PATIENT DATA AND ARTIFICIAL INTELLIGENCE

A groundbreaking program offering insights into the ways that big tech, patient data and artificial intelligence converge – join us virtually to explore the emerging law, business and ethics in this new world.

If you are a healthcare professional, business leader, educator or entrepreneur, you are invited to be part of this conference virtually to explore how this convergence is bound to shape the future.

VIRTUAL | November 17, 18, & 19, 2021



**SAINT LOUIS
UNIVERSITY™**

REGISTRATION

REGISTER HERE: slu.edu/medicine/bander-center

VIRTUAL

\$100

3-Day Session

PROGRAM SCHEDULE

WEDNESDAY, NOVEMBER 17, 2021

9:30 AM - 9:35 AM

Introduction and Kickoff

Jason D. Keune, MD, MBA, FACS

BIG TECH, PATIENT DATA AND ARTIFICIAL INTELLIGENCE

9:35 AM - 9:55 AM

Making pain optional? Migraine Prediction through automated machine learning

George McLendon, PhD

9:55 AM - 10:15 AM

New Innovation Models in Medical AI

Nicholson Price, JD, PhD

10:15 AM - 10:35 AM

Breathing Clean: Race, AI ethics, and Patient Misdiagnosis

Yolanda Wilson, PhD

VIRTUAL BREAKOUT: INDUSTRY, LAW, BIOETHICS

10:40 AM - 11:10 AM

Industry + Moderator

George McLendon, PhD and Jordan Mason

Law + Moderator

Nicholson Price, JD, PhD and Martin Fitzgerald

Bioethics + Moderator

Yolanda Wilson, PhD and Brandy Fox

11:15 AM - 11:25 AM

REFLECTION: The Problem with Romance

Katherine Mathews, MD, MPH, MBA

11:25 AM - 12:05 PM

Panel Discussion

12:05 PM

Adjourn

PROGRAM SCHEDULE

THURSDAY, NOVEMBER 18, 2021

9:30 AM - 9:35 AM

Introduction and Kickoff

Jason D. Keune, MD, MBA, FACS

BIG TECH, PATIENT DATA AND ARTIFICIAL INTELLIGENCE

9:35 AM - 9:55 AM

GlobalSTL: Insights about Promise vs. Reality of Sourcing Top AI Enabled Healthcare Innovation to St. Louis to transform Healthcare

Vijay Chauhan, MS

9:55 AM - 10:15 AM

Covid-19 and the Risks of Surveillance Infrastructure

Natalie Ram, JD

10:15 AM - 10:35 AM

On the Possible Uses and Abuses of Predicting People's Preferences in Medicine

Dana Howard, PhD

VIRTUAL BREAKOUT: INDUSTRY, LAW, BIOETHICS

10:40 AM - 11:10 AM

Industry + Moderator

Vijay Chauhan, MS and Jordan Mason

Law + Moderator

Natalie Ram, JD and Martin Fitzgerald

Bioethics + Moderator

Dana Howard, PhD and Brandy Fox

11:15 AM - 11:25 AM

REFLECTION: Will AI make us better health care professionals?

Ira Bedzow, MA, PhD

11:25 AM - 12:05 PM

Panel Discussion

12:05 PM

Adjourn

PROGRAM SCHEDULE

FRIDAY, NOVEMBER 19, 2021

9:30 AM - 9:35 AM

Introduction and Kickoff

Jason D. Keune, MD, MBA, FACS

BIG TECH, PATIENT DATA AND ARTIFICIAL INTELLIGENCE

9:35 AM - 9:55 AM

The Active Use of AI in Patient Care. Is it Ethical to NOT Use AI?

Douglas E. Romer, MD

9:55 AM - 10:15 AM

Everything Old is New Again: HIPAA and AI

John LoCurto, JD

10:15 AM - 10:35 AM

Health Management as a Sociotechnical Experience

Christina Harrington, PhD

VIRTUAL BREAKOUT: INDUSTRY, LAW, BIOETHICS

10:40 AM - 11:10 AM

Industry + Moderator

Douglas E. Romer, MD and Jordan Mason

Law + Moderator

John LoCurto, JD and Martin Fitzgerald

Bioethics + Moderator

Christina Harrington, PhD and Brandy Fox

11:15 AM - 11:25 AM

REFLECTION: Moving from Eros to Agape: Health Care and Its Love of Big Tech

Michael Rozier, SJ, PhD

11:25 AM - 12:05 PM

Panel Discussion

12:05 PM

Adjourn



Jason D. Keune, M.D., MBA, FACS is a surgeon, bioethicist and author who is an Associate Professor of Surgery and Health Care Ethics at St. Louis University, and is the Executive Director of the Bander Center for Medical Business Ethics, which is housed in the School of Medicine at St. Louis University. He earned his bachelor's degree and MD from Washington University in St. Louis and completed his General Surgery Residency and Fellowship in Minimally Invasive Surgery there also. He was the Emerson Clinical Scholar in Residence of the American College of Surgeons from 2009 to 2011 and obtained a Certificate in Professional Ethics from Washington University and a Master's in Business Administration from St. Louis University during that time. He is board certified in General Surgery by the American Board of Surgery and is a Fellow of the American College of Surgeons.

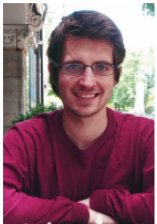
Dr. Keune has published in *The Annals of Surgery*, *Academic Medicine*, *The American Journal of Bioethics*, *Narrative Inquiry in Bioethics* and *Surgery* amongst others and has authored several textbook chapters on surgery and ethics. He is Co-Chair of the Committee on Leadership and Professional Development at the Society of American Gastrointestinal and Endoscopic Surgeons.

INDUSTRY BEAKOUT MODERATOR



Jordan Mason is currently pursuing a joint PhD in Theology and Health Care Ethics at St. Louis University. She holds a Master of Divinity from McAfee School of Theology and completed her undergraduate education in Christian Ethics at Belmont University. Her areas of interest include theological bioethics, liturgical theology, clinical ethics, and the philosophy of technology. She enjoys learning and writing about the intersection of bodies, belief, and practice.

LAW/REGULATORY BEAKOUT MODERATOR



Martin Fitzgerald is a PhD student in bioethics and philosophy at SLU's Albert Gnaegi Center for Health Care Ethics. Previously, he earned a master's in philosophy from Duquesne University and a bachelor's in chemical engineering from Worcester Polytechnic Institute. His research focuses on the intersection between the empirical sciences and philosophy, with particular attention to biologically-informed philosophy, animal ethics, and nonhuman cognition. Marty's current projects include writings on interspecies chimeras, investigating aspects of perception via spider webs, and drawing lessons for bioethics from the history of leprosy. Outside of the academy, Marty enjoys spending time with his fiancée, playing chess, practicing sport, and conversation over drinks.

BIOETHICS BEAKOUT MODERATOR

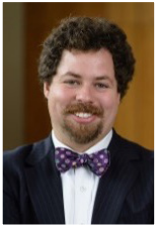


Brandy M. Fox is currently a PhD candidate in Health Care Ethics at Saint Louis University with a concentration in Empirical Research. She is originally from Wyoming and now lives in St. Louis with her husband and two children. Brandy holds a BA in Politics from the Catholic University of America and an MS in Health Care Ethics from Creighton University. Her main research interests are end of life ethics and decision making and the ethics of psychiatric care. Brandy is currently teaching two undergraduate classes at Saint Louis University: Foundations in Clinical Health Care Ethics and Ethics in Geriatric Care. Her current project is her dissertation about the ethics of suicide prevention for US military veterans. Brandy is a US Army veteran herself. She has also worked for Hospira Pharmaceuticals, the Sheridan (Wyoming) Department of Veterans Affairs Health Care System, and Creighton University's School of Pharmacy and Health Professions.

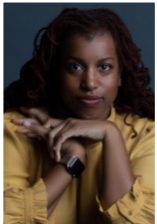
SPEAKERS DAY ONE



George McLendon, PhD, is the CEO of ML Bio Solutions, Inc. previously; he served as the Vice President of Therapeutic Research and Development at Atrium Health. Prior to this role, he was Howard Hughes Provost and Professor of Chemistry at Rice University. Before joining Rice, Dr. McLendon was Dean of Arts and Sciences, Professor of Chemistry and Biochemistry at Duke University and faculty member of the Cancer Center at Duke University Medical School. Dr. McLendon was also the chair of the Department of Chemistry at Princeton University and Professor of Chemistry and Biochemistry at the University of Rochester. Dr. McLendon's work has contributed to the establishment of several companies including Tetralogic, Steamtrax and Labcyte. He is a founding co-director of TMCx, the largest accelerator for biomedical startups, and serves on advisory and governing boards for several early-stage life science companies.



Nicholson Price, JD, PhD is a Professor of Law at the University of Michigan Law School. His work considers how various areas of law shape biomedical innovation. Recent areas of focus include big data and artificial intelligence in medicine, drug and biologics manufacturing, and the grant system as an innovation policy lever. His work has appeared in *Nature*, *Science*, *JAMA*, the *Columbia Law Review*, and elsewhere. He teaches patents, health law, innovation in the life sciences, and science fiction and the law. He recommends reading Bujold, Jemisin, Older, and Newitz. Nicholson is co-PI of the Project on Precision Medicine, Artificial Intelligence, and the Law at the Petrie-Flom Center at Harvard Law School and a Core Partner at the University of Copenhagen's Center for Advanced Studies in Biomedical Innovation Law. He holds a PhD in Biological Sciences and a JD, both from Columbia, and an AB from Harvard.



Yolonda Wilson, PhD is an associate professor in the Albert Gnaegi Center for Health Care Ethics at Saint Louis University, with additional affiliations in the departments of Philosophy and African American Studies. She earned the Ph.D. in Philosophy from the University of North Carolina at Chapel Hill, where she was inducted into the Academy of Distinguished Teaching Scholars. Professor Wilson's broad areas of interest include bioethics, social and political philosophy, race theory, and feminist theory.

Professor Wilson's work centers on race and gender justice, particularly as it relates to health care. Her recent article, "Intersectionality in Clinical Medicine: The Need for a Conceptual Framework," is a consideration on applying intersectionality's intellectual approach--how race, gender, and other social identities converge in order to create unique forms of oppression--in the clinical environment.

A 2019-2020 National Humanities Center fellow and a 2019-2020 Encore Public Voices fellow, Professor Wilson is currently working on a monograph entitled *Black Death: Racial Justice, Priority-Setting, and Care at the End of Life*, in which she uses end of life care to argue that, given historic and continuing racial injustice leading to African Americans being unfairly burdened with ill health, African Americans have a special justice claim on health care.

Professor Wilson is the winner of the American Philosophical Association's (APA) Committee on Public Philosophy Op-Ed Award for her USA Today article, "For Black Shooting Victims, Sometimes Anger (Not Forgiveness) Is the Best Response." Her public scholarship on issues of bioethics, race, and gender has appeared in *The Hastings Center's Bioethics Forum* and *The Conversation* (among others) and has been republished in outlets such as *The Los Angeles Times*, *The Chicago Tribune*, *Salon.com*, and *The Philly Voice*. Her article for *The Conversation*, "Why Black Women's Experiences of #MeToo Are Different," was re-published internationally and forms the basis for an edited volume on feminist philosophy and #MeToo. Her media appearances include outlets such as National Public Radio (NPR), Al Jazeera English, and The Canadian Broadcasting Corporation (CBC) Radio.

REFLECTION DAY ONE



Katherine J Mathews, MD, MPH, MBA With a background in public health, research, healthcare administration, and direct patient care, Katherine Jahnige Mathews, MD, MPH, MBA, is a Saint Louis University School of Medicine Professor in the Department of Obstetrics, Gynecology, and Women's Health. She also serves as Director of Education for the Bander Center for Medical Business Ethics. In 2020 she launched an innovative required curriculum for first and second year medical students called Leadership and the Business of Medicine. This curriculum has been developed with and for students and is grounded in explicit reflection about the values that inform our actions and sense of right and wrong. The course exposes students to the complex US healthcare industry where every dollar spent is someone else's dollar of revenue or profit. Finally, students work in teams and use cases to practice foundational skills for professional development and ethical leadership.

SPEAKERS DAY TWO

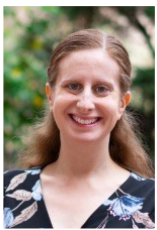


Vijay Chauhan, MS is an experienced Corporate Business Development Executive and a startup CEO of multiple companies in the Healthcare and Ag-Food space. He is leading BioSTL's initiative, GlobalSTL, to recruit cutting-edge, high growth companies from over 15 international countries to the Midwest that can deliver business value and competitive advantage to Midwest healthcare organizations. GlobalSTL has built a healthcare innovation buying power platform of 18 healthcare organizations across 5 Midwest states whose combined revenues are over \$365 Billion (~ 10% of US Healthcare spending). GlobalSTL also hosts an annual Health Innovation Summit that has become our region's premier business development event for top global healthcare innovation. Prior to this role, Vijay was Senior Entrepreneur in Residence (EIR) at the BioGenerator, BioSTL and St. Louis region's premier investor and venture development organization for Life Science startups. As an EIR at BioGenerator, Vijay co-founded and was the CEO of 2 companies and helped raise capital and developed investable business plans for 6 Life Science startups.

Vijay worked at Monsanto in St. Louis, MO. As Vice President, General Manager, Nutrition and Consumer Sector, he launched several new businesses in the area of consumer health/functional foods. He also worked on multiple M&A transactions investing over \$5 billion towards the implementation of Monsanto's Agriculture Biotech and Life Sciences strategy.

Prior to Monsanto, Vijay worked at two management consulting companies. As an Officer of Cap Gemini/Gemini Consulting, Vijay sold and implemented large-scale business turnaround and transformation projects resulting in sustainable change and bottom-line benefits for clients across multiple industries. He sold over \$20 million and managed 50 consultants over 3 years.

Vijay has an Undergraduate Degree in Mechanical Engineering from the Indian Institute of Technology (IIT Madras) and a Master's in Computer Science from the University of Delaware.



Natalie Ram, JD is Professor Law at University of Maryland Carey School of Law. She is also adjunct faculty with the Berman Institute of Bioethics at Johns Hopkins University. Professor Ram is a leading scholar on the intersection of genetic privacy and the law. Her work has been published (or is forthcoming) in both law reviews and scientific journals, including Harvard Law Review, Columbia Law Review, Virginia Law Review, Texas Law Review, Science, and Nature Biotechnology. Professor Ram has also been published in the New York Times, Washington Post, and Slate and interviewed on NPR's Science Friday and Reveal. She teaches courses in Maryland Carey Law's Law and Health Care program. Professor Ram is a 2021 Greenwall Faculty Scholar in Bioethics, a career development grant awarded to promising scholars across disciplines. Before joining Maryland Carey Law, Professor Ram clerked for Judge Guido Calabresi of the U.S. Court of Appeals for the Second Circuit, and for Associate Justice Stephen G. Breyer at the U.S. Supreme Court. She earned her law degree at Yale Law School and an AB in public and international affairs from Princeton University.

SPEAKERS CONTINUED DAY TWO



Dana Howard, PhD is an Assistant Professor in Center for Bioethics, Department of Biomedical Education and Anatomy at the Ohio State University College of Medicine with a joint appointment in the Philosophy Department. She has a broad background in philosophy and bioethics, with specific research interests in medical decision-making, the norms of advising, the intersection between medicine and disability, paternalism, and research ethics. Her current research investigates transformative choices in medicine and how we ought to structure medical decision-making in a way that respects people with marginal agency, including those with addiction.

REFLECTION DAY TWO



Ira Bedzow, MA, PhD is the Director of the Project in International Ethics and Leadership and Head of the Unit of the International Chair in Bioethics (World Medical Association Cooperation Centre) at the Center for the Study of Law and Religion, Emory University. He holds a PhD in Religion from Emory University and a Masters degree from University of Chicago. His interests relate to understanding the ethical implications of biotechnology and healthcare policy as well as how organizations can create an ethical culture through values-driven leadership. When it comes to ethical leadership, he tries to show that making a values-driven decision and implementing it effectively consist of different skills and face different challenges. Understanding the difference between asking “what to do” and “how can I act on my values successfully” is key to leadership and organizational success. Bedzow is also Senior Scholar of the Aspen Center for Social Values, co-director of the Maimonides Institute for Medicine, Ethics and the Holocaust (MIMEH), a contributor at the MirYam Institute, and a regular contributor in Forbes for their Diversity, Equity and Inclusion section. He is also an Orthodox rabbi.

SPEAKERS DAY THREE



Douglas E. Romer, MD is a 1982 graduate of St. Louis University Medical School. He completed his Family Practice residency at Miami Valley Hospital in Dayton, Ohio and remains a board-certified family physician to date. After several years in a small private practice, he became very interested in medical leadership and improving the quality of medicine. He joined a group of other like-minded physicians to work on improving the value of medicine by using Six Sigma and Lean principles to address multiple chronic diseases. Dr. Romer was elected to the board of PriMED Physicians in 2000 and was Chairman thru April 2021. He also worked as the Chief Medical Officer of PriMED and MediSync since 2015. His primary work at MediSync is providing clinical input to the team that develops artificial intelligence (AI) for chronic disease management. He is also responsible for teaching the practical application of AI for multiple chronic diseases to physicians based on 36 years of clinical practice. MediSync has developed AI modules for hypertension, diabetes, cholesterol, heart failure with reduced ejection fraction and will continue to add other chronic disease modules. MediSync and PriMED success is demonstrated by being recognized as a national leader in the treatment of hypertension. Dr. Romer left clinical practice in April of 2021 to focus completely on the development of AI with MediSync. He is married to Nancy Romer M.D. (SLUMS), Ph.D. (theology), has 4 children and 7 grandchildren.

SPEAKERS CONTINUED DAY THREE



John LoCurto, JD is the inaugural Assistant Professor of Medical Jurisprudence & Health Policy at the University of the Incarnate Word School of Osteopathic Medicine in San Antonio, Texas. He teaches across the four-year medical school curriculum and in the school's graduate medical education, Master of Public Health, and Master of Biomedical Sciences programs. John is also an Adjunct Professor at St. Mary's University School of Law.

Prior to joining higher education, John practiced law for nearly 20 years, devoting most of his career to public service at the United States Department of Justice. He served as an Assistant United States Attorney for the Western District of Texas, where his practice focused on health care fraud, whistleblower, and controlled substances cases. John rose through the ranks at the United States Attorney's Office to become Deputy Chief of the Civil Division. In this role, he oversaw and coordinated the District's Affirmative Civil Enforcement, Civil Health Care Fraud, and Civil Drug Diversion programs.

John earned his J.D. from New York University School of Law, and his B.A. from the College of William & Mary. He is married to his law school sweetheart. He and his wife have two kids, two rescue dogs and a rotating cast of foster animals.



Christina Harrington, PhD is a designer and qualitative researcher who focuses on understanding and conceptualizing technology experiences that support health and wellness among older adults and individuals with disabilities. My research seeks to find ways to employ design as a catalyst for health equity and socially responsible technology experiences. I explore concepts of health through community-based participatory design and co-creation, considering health management as a sociotechnical experience. I believe that constructs of identity and social positioning

impact our interactions with technology, including individual access to online information, the relevance of certain systems in our everyday lives, and the ways we accept certain interventions. Through participatory research methods I explore constructs of empowerment and access among vulnerable communities that have been marginalized along multiple dimensions of identity (age, race, ethnicity, income, class).

REFLECTION DAY THREE



Michael Rozier, S.J., PhD is an assistant professor of Health Management and Policy at Saint Louis University, with a secondary appointment in the Gnaegi Center for Health Care Ethics. Rozier received his B.A. in chemistry from Saint Louis University in 2003 and upon graduation, he entered the Jesuits. During his Jesuit formation, he has earned graduate degrees in philosophy from the University of Toronto, in international health from Johns Hopkins University, and in moral theology from Boston College. He was ordained a Catholic priest in 2014 and in 2018, he earned his Ph.D. in Health

Management and Policy from University of Michigan. His research focuses on the ethics of population health, the use of moral rhetoric in health policy, and geospatial location's effect on health-related privacy. In 2008, Rozier served as an ethics fellow with the World Health Organization in Geneva, Switzerland and in 2019, he served as a GeoEthics Fellow with the American Geographical Society. Rozier has long worked with communities of need, including the homeless, incarcerated, and refugees, both in the US and Central America. Rozier serves on several advisory boards for Catholic Health Association and is the co-director of the Catholic Health Executive Institute. Rozier serves on the board of directors of SSM Health Corporation and on the board of trustees of Marquette University.