MedStar Institute
for Innovation

Michael Gillam, MD

Physician Executive, CEO HealthLab
Former Founding Director, Microsoft Healthcare Innovation Lab
Digital health lecturer for Singularity University on NASA Ames Campus in Silicon Valley

Michael Gillam, MD, FACEP is a physician executive in information technology, and current CEO of HealthLab, a digital health company automating discoveries in “big data." He is also founder of Athla, a direct-to-consumer, quantified-self for athletic performance mobile app company shown in a recent Apple commercial and called “game changing.”

Dr. Gillam is a former partner level executive in Microsoft and Founding Director of the Microsoft Healthcare Innovation Lab. He was research director for the data aggregation solution, Azyxxi, which was acquired by Microsoft in 2006 to become one of their flagship products for healthcare, renamed Amalga™. He is a board certified emergency medicine physician and trained, practiced, and taught through Northwestern University Medical School for eleven years. He has served as Chair of Informatics for both the Society for Academic Emergency Medicine and the American College of Emergency Physicians. He has published over fifty conference abstracts and articles in peer-reviewed journals and has eleven health IT patents awarded or in submission.

Dr. Gillam has advised or conducted IT projects with governmental and non-governmental organizations on health information technology including Fortune 500 companies, China’s leading hospitals in Shanghai and Beijing, Dubai’s Ministry of Health and startups in Silicon Valley. He served as a judge on the Nokia Sensing XPrize and was the chief clinical judge for the Qualcomm Tricorder XPrize. Dr. Gillam has led projects spanning an array of technologies including: “Big Data” in healthcare; predictive analytics; bioterrorism and emerging disease surveillance; natural language processing (NLP); electronic documentation; gesture-based control systems; data visualization; anomalous event detection; RFID tracking; automated patient image capture; enterprise search in healthcare; de-identifying datasets; unified communications; surface computing; personal health records (PHRs); virtual and augmented reality; and medical robotics.

@gillam

MedStar Institute
for Innovation

Allan Hamilton, MD

Regents' Professor in Surgery, Professor of Neurosurgery, Psychology, Radiation Oncology and Computer & Electrical Engineering at University of Arizona

Allan Hamilton started his working life as a janitor. He would eventually go on to graduate from Harvard Medical School and complete his neurosurgical residency training at the Massachusetts General Hospital in Boston. Dr. Hamilton holds four professorships at the University of Arizona in Neurosurgery, Radiation Oncology, Psychology, and Electrical and Computer Engineering. Dr. Hamilton is a decorated veteran who served in Operation Desert Storm. He was also the commanding officer assigned to lead a dangerous medical research expedition that was based for nearly two months at 16,000 feet under arctic conditions on Mt. McKinley.

Dr. Hamilton was recently awarded the title of Regents' Professor by unanimous vote of the Arizona Board of Regents; it is the highest accolade the state can bestow upon an academician and is given to less than one percent of all eligible faculty. He has been chosen by his neurosurgical peers as "One of America's Best Doctors" for the last nineteen consecutive years and selected as one of the top one hundred neurosurgeons in the United States. He has held positions as Chief of Neurosurgery, Chairman of the Department of Surgery, and is the Director of a multi-disciplinary medical simulation and innovation think-tank at the Arizona Health Sciences Center. He has authored more than twenty medical textbook chapters, seventy peer-review research articles. Dr. Hamilton has been decorated by the Republic of France for his scientific discoveries in neurosurgery and the Republic of Gabon for his philanthropic work over the last 25 years in Africa.

Dr. Hamilton has written three non-fiction books: *The Scalpel and the Soul* in 2008, *Zen Mind, Zen Horse—The Science and Spirituality of Training Horses* in 2011. His most recent book, *Lead With Your Heart—Lessons from a Life With Horses* (2017) is a collection of 112 essays on leadership, spirituality, and transformation and received the Nautilus God Award for nonfiction, the Benjamin Franklin Silver Medal, and the Independent Book Publishers ("IPPY') award. His books have been translated into several languages. He is currently working on a fourth book on the human brain.

He has been the subject of two award-winning documentaries and has been featured on the NBC "Today" Show, ABC News, CNN, and PBS. He is a frequent guest on NPR. For the last several years Dr. Hamilton has served as medical script consultant on more than three hundred episodes of the hit TV series *Grey's Anatomy*. Look for a stellar performance where Dr. Hamilton plays—of all things—a surgeon. A show-stopper for sure!!

info@allanhamilton.com
allan@surgery.arizona.edu

MedStar Institute
for Innovation

Anthony Imamura

Principal Culinary Arts & Design Consulting, LLC
Founding Partner, Art of Design Studio, LLC

Born and raised in North Carolina, Mr. Imamura has made Washington, D.C. home-base since 2001. He has combined his dual degrees in Architecture (University of Colorado, Boulder) and in Culinary Arts (California Culinary Academy, San Francisco) for over 30-years in the Hospitality & Food Service Industry. Formerly with Whole Foods Market, he served as Mid-Atlantic Store Development & Design Construction Coordinator. He is a former associate with YuiDesign, Inc. where restaurant kitchen projects included: Eataly NYC, Eataly Chicago; Morimoto Napa, Waikiki, Mexico City; Duke University Events Pavilion/West Union Building; Scripps Media/Food Network Global HQ Culinary Test Kitchen.

Mr. Imamura's current focus is in the field of Teaching Kitchen Design/Culinary Nutrition Education. He is the Chef Educator-in-Residence at MedStar Institute for Innovation; Chef Educator for MedStar Health Fresh & Savory Culinary Medicine Program; Chef Educator/Kitchen Designer for MedStar Health/Teaching Kitchen Collaborative (TKC); and advisor to Harvard T.H. Chan School of Public Health/Culinary Institute of America TKC. His lifelong passions for cooking and design blend seamlessly with his ability to create the kitchen setting where culinary knowledge is shared.

Beyond the design profession, Mr. Imamura builds upon a vast network of professional and personal contacts. He enjoys connecting local organizations and individuals who seek long term solutions to their current challenges. He serves on the Georgetown Lombardi Arts & Humanities Advisory Council; numerous charitable development committees; and is a former board member of See Forever Foundation/Maya Angelou Public Charter Schools.

MedStar Institute
for Innovation

Taylr Jesinger

Director of Innovation Forums, Senior Project Manager, Influence Specialist
The Influence Center at the MedStar Institute for Innovation

Taylr Jesinger is the Director of Innovation Forums, Senior Project Manager, and Influence Specialist at the MedStar Institute for Innovation (MI2). She supports MI2's catalyzing environment and leads projects across multiple innovation domains. The majority of her work focuses on influence, rapport, patient experience, building a "thinking differently" ecosystem, innovation in healthcare delivery, and catalyzing innovation to advance health. She is a leader with The Influence Center at MI2, and also directs MI2's annual Innovation Forum, which is a unique, interactive event designed to catalyze innovation by presenting new tools and ideas for thinking differently.

Prior to joining MI2, Taylr was the administrative resident at MedStar Washington Hospital Center. Before beginning at MedStar, she worked in sociological and entrepreneurial research at the University of Kentucky Institute for Workplace Innovation (iWin) and at the Lexington Chamber of Commerce. She also spent copious time studying health issues and economic disparity in rural Appalachia, where she is still involved in supporting and advocating for underserved populations, especially children living in poverty and high-risk environments.

Taylr interned in molecular biology research at the USC Norris Comprehensive Cancer Center and was selected for a highly competitive molecular biology undergraduate research fellowship at Harbor-UCLA Medical Center, which influenced her to pursue a career in healthcare.

Taylr holds a bachelor's degree in neuroscience from the University of Southern California, and a master's degree in health administration with distinction from the University of Kentucky. While at USC, Taylr served as a band-leader, feature twirler, and a trombone player with the 350+ musicians of the award-winning USC Trojan Marching Band.

In her spare time Taylr is often found coaching baton twirling, volunteering with her mom's animal rescue organization, and hanging out with her husband, Michael, her cats, and her two energetic goldendoodles.

Taylr.Jesinger@medstar.net
https://mi2.medstarhealth.org/

MedStar Institute
for Innovation

Steven Johnson

Bestselling Author, Prospect Magazine's Top Ten Brains of the Digital Future
Host, PBS Six-Part Series: How We Got to Now with Steven Johnson

Steven Johnson is the leading light of today's interdisciplinary, collaborative, open-minded approach to innovation. His writings have influenced everything from cutting-edge ideas in urban planning to the battle against 21st-century terrorism. Steven was chosen by *Prospect* magazine as one of the Top Ten Brains of the Digital Future, and *The Wall Street Journal* called him "one of the most persuasive advocates for the role of collaboration in innovation." He unites a deep understanding of scientific progress with a sharp sensitivity to contemporary online trends. Together, those traits give him an unmatched insight into how ideas emerge and spread and how they affect the world today.

Steven Johnson's latest book, *Farsighted: How We Make the Decisions That Matter the Most*, is full of the beautifully crafted storytelling and novel insights that Johnson's fans know to expect. Steven examines consequential once-in-lifetime decisions; the ones that affect our lives for years, or for centuries, to come. *Farsighted* draws lessons from cognitive science, social psychology, military strategy, environmental planning, and great works of literature.

Steven's work on the history of innovation inspired the Emmy-nominated six-part series on PBS, HOW WE GOT TO NOW with Steven Johnson, that aired in the fall of 2014. The book version of *How We Got To Now* debuted at #4 on the *New York Times* bestseller list, and was a finalist for the PEN/E.O. Wilson Literary Science Writing Award.

His book, *Wonderland: How Play Made the Modern World*, revolves around the creative power of play: ideas and innovations that set into motion the many momentous changes in science, technology, politics and society. Inspired by the book, Steven launched a podcast series about the past and future of play and innovation.

Steven is also the author of the bestselling *Where Good Ideas Come From: The Natural History of Innovation*. Steven considers breakthroughs as different as Darwin's theories and the rise of YouTube, and asks: what did these moments have in common? What kind of environments fostered these ideas? He answers these question with a core set of innovation principles that have encouraged creativity across history. It's a fascinating read and a wonderfully practical guide to making any space or organization more innovation-friendly.

Good Ideas is just one of Steven's many books celebrating progress and innovation. Others include *The Innovator's Cookbook,* which he edited, *The Invention of Air* and *The Ghost Map. Everything Bad Is Good For You*, one of the most discussed books of 2005, argued that the increasing complexity of modern media is training us to think in more complex ways. *Emergence and Future Perfect* explore the power of bottom-up intelligence in both nature and contemporary society.

An innovator himself, Steven has co-created three influential sites: the pioneering online magazine *FEED*, the Webby-Award-winning community site, Plastic.com, and the hyper-local media site — outside.in, which was acquired by AOL in 2011. His TED talk on innovation has been viewed more than three million times.

He is a regular contributor to *Wired* magazine, as well as *The New York Times, The Wall Street Journal*, and many other periodicals. He's appeared on many high-profile television pro- grams, including *The Charlie Rose Show, The Daily Show with Jon Stewart*, and *The NewsHour with Jim Lehrer*. He is @stevenbjohnson on Twitter, where he has 1.4 million followers.

MedStar Institute
for Innovation

Kristen Miller, DrPH, CPPS

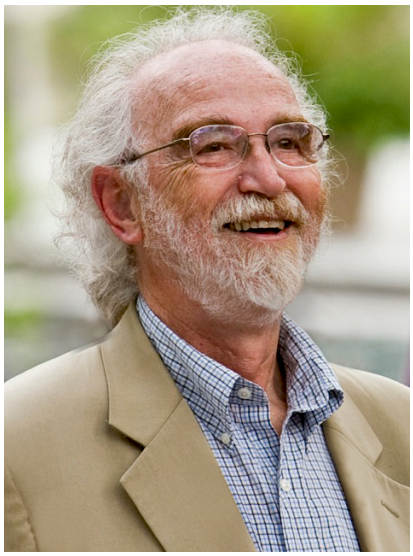
Scientific Director, National Center for Human Factors in Healthcare, MedStar Health
Associate Professor, Emergency Medicine at Georgetown University School of Medicine

Kristen Miller, DrPH, CPPS is the Scientific Director of the National Center for Human Factors in Healthcare at MedStar Health and an Associate Professor of Emergency Medicine at Georgetown University School of Medicine. Kristen is a clinically oriented human factors researcher focusing on medical decision making and behavior, informatics, and the assessment of medical interventions and practices with an emphasis on usability, human error, and patient safety. Her portfolio includes federally funded work from the National Institutes of Health, Agency for Healthcare Research and Quality, Office of the National Coordinator for Health Information Technology, and National Science Foundation. Her experience spans three public health degrees (Master of Science in Public Health and Doctorate of Public Health from Texas A&M University and Bachelor of Arts in Public Health Studies from Johns Hopkins University), a post-doctorate with the Department of Veterans Affairs National Center for Patient Safety, and experience with multiple healthcare systems including the Johns Hopkins Armstrong Institute and the Christiana Care Health System Value Institute. She has dedicated her career to healthcare human factors, focusing on occupational challenges for healthcare providers and novel approaches to improving patient safety and quality. Kristen is an influential promoter of programs that further the career of female professionals in research and public health and is actively involved in the community through service with Great Dames, the United Way Women's Leadership Council, and Women in STEM (Science, Technology, Engineering, and Mathematics).

MedStar Institute
for Innovation

Gerald Pollack, PhD

Professor of Bioengineering, University of Washington
Executive Director of the Institute for Venture Science
Founding Editor-in-Chief of *WATER: A Multidisciplinary Research Journal*



Gerald Pollack received his PhD in biomedical engineering from the University of Pennsylvania in 1968. He then joined the University of Washington faculty and is now professor of Bioengineering. He is also Founding Editor-in-Chief of the journal, *WATER*, convener of the *Annual Conference on the Physics, Chemistry and Biology of Water*, and Executive Director of the *Institute for Venture Science*.

His interests have ranged broadly, from biological motion and cell biology to the interaction of biological surfaces with aqueous solutions. His 1990 book, *Muscles and Molecules: Uncovering the Principles of Biological Motion*, won an "Excellence Award" from the Society for Technical Communication. His 2001 book, *Cells, Gels and the Engines of Life*, and his newest book, *The Fourth Phase of Water: Beyond Solid, Liquid, and Vapor* won that Society's "Distinguished Award," their highest distinction. The latter book went on to receive the World Summit Excellence Award.

Pollack received an honorary doctorate in 2002 from Ural State University in Ekaterinburg, Russia, and was more recently named an Honorary Professor of the Russian Academy of Sciences, and foreign member and Academician of the Srpska Academy. He received the Biomedical Engineering Society's Distinguished Lecturer Award in 2002. In 2008, his colleagues chose him as the recipient of his university's highest annual distinction: the UW Faculty Lecturer Award.

Pollack is a Founding Fellow of the American Institute of Medical and Biological Engineering and a Fellow of both the American Heart Association and the Biomedical Engineering Society. He received an NIH Director's Transformative R01 Award. He was the 2012 recipient of the Prigogine Medal for thermodynamics of dissipative systems, and in 2014 he received the Scientific Excellence Award from the World Academy of Neural Therapy, as well as the Dinsdale Prize from the Society for Scientific Exploration. He has presented two TEDx talks on water. In 2015, he won the Brandlaureate Award, previously bestowed on notables such as Nelson Mandela, Hillary Clinton and Steve Jobs. In 2016 he was awarded the 1st Emoto Peace Prize. And, he appears briefly in the 2016 Travis Rice sports-action film, *The Fourth Phase,* named after his recent book.

MedStar Institute
for Innovation

Megan Ramos

Co-Founder and CEO of Intensive Dietary Management
Clinical Researcher, Therapeutic Fasting Expert

Megan Ramos co-founded the Intensive Dietary Management (IDM) Program with Dr. Jason Fung, a Toronto-based nephrologist. Megan serves as the Chief Executive Officer and Director of Patient Education. The IDM Program utilizes therapeutic fasting strategies and time restricted eating protocols to help reverse type 2 diabetes and metabolic syndrome. She has assisted over 8000 people worldwide acheive success with therapeutic fasting in the treatment of diabetes and obesity. Her current focus is on the development of patient education and training other healthcare professionals on the use of therapeutic fasting and low-carb, healthy-fat diets.

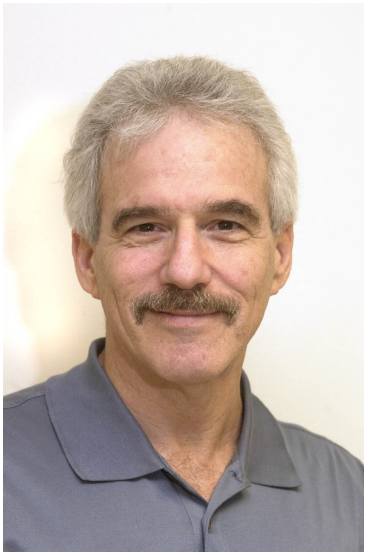
Prior to the development of the IDM Program, Megan was a clinical researcher in the field of nephrology. The majority of her research focused on finding ways to detect and diagnose kidney disease earlier. She spent most of her career at the Institute of Kidney Life Sciences working in collaboration with University Health Network and Sanford University studying various biomarkers for renal disease. Eventually, she came to the conclusion that there wasn't much she could do or learn from this research. The bottom-line was that most of the patients had chronic kidney disease as a direct result of their diabetes or obesity and high blood pressure. If those conditions could not be controlled or reversed, it did not matter how early you could detect and diagnose their renal decline.

Coincidentally, Megan came to this realization right before she was diagnosed with type 2 diabetes at the age of 27. She was determined not to be a statistic like her patients, and use herself as a subject to help find various protocols to reverse her diabetes. If type 2 diabetes is a dietary illness, then there was no reason why she couldn't reverse her condition through dietary changes. Within six-months of following various intermittent fasting protocols and a low-carb, healthy fat diet Megan not only reversed her diabetes, she also reversed her non-alcholic fatty liver disease, polycystic ovarian syndome, and lost 86 pounds. The change in Megan's health inspired her colleagues to recommend fasting to their patients as well as the patients she was working with in her various research projects.

MedStar Institute
for Innovation

Mark Smith, MD

Chief Innovation Officer, MedStar Health
Director, MedStar Institute for Innovation



Mark Smith, MD, is Chief Innovation Officer of MedStar Health and the Director of the MedStar Institute for Innovation (MI2) where he leads a system-wide initiative to catalyze and foster innovation. Dr. Smith is also professor and past chairman of emergency medicine at the Georgetown University School of Medicine.

Prior to his appointment as director of MI2, Dr. Smith served as chair of the department of emergency medicine at MedStar Washington Hospital Center for 14 years and chair of MedStar Emergency Physicians.

Dr. Smith received his Bachelor of Arts in mathematics, philosophy, and psychology with highest honors from Swarthmore College and a master's degree in computer science from Stanford University. His medical degree is from Yale University School of Medicine. Dr. Smith completed an internship in medicine at George Washington University Medical Center and a residency in emergency medicine at Georgetown University Hospital. He is board certified in emergency medicine and is a fellow of the American College of Emergency Physicians.

Dr. Smith's interests include digital health, data science, complex systems theory, information visualization, catalyzing sustainable and self-organizing change that is for the better, and scaling that change within and across large systems. The MedStar Institute for Innovation includes a center for human factors in healthcare; a center for innovation in learning; a collaboration program with start-ups in the healthcare space; a center for influence (changing behavior); a technology commercialization capability; initiatives in telehealth, pharmacogenomics, and integrative medicine; and a platform for igniting innovation energy across the organization.

Prior to his work at MI2, Dr. Smith was the co-founder of Project ER One, MedStar Washington Hospital Center's initiative to develop the design specifications for an all-risks ready emergency care facility for mass casualty incidents. He is the co-creator of MedStar Health's innovative Azyxxi / Amalga clinical information system, which has been in continuous use at MedStar hospitals for 22 years. He has authored numerous journal articles and two textbooks in the field of emergency medicine; served on federal advisory groups in the fields of cardiac care, disaster response, and innovation; and helped to develop large programs in clinical simulation and human factors in healthcare.

@marksmithMD, @mi2innovation
https://mi2.medstarhealth.org/

MedStar Institute
for Innovation

Theresa Stone, MD

Fresh & Savory Culinary and Lifestyle Medicine Medical Director
Internal Medicine Physician, Medstar Medical Group
Mind Body Medicine Facilitator, Georgetown University School of Medicine

Dr. Theresa (Terri) Stone's life epitomizes the values of a healthy lifestyle. A graduate of University of Iowa, she went on to pursue medicine at Georgetown University. While at Georgetown she received both the Dean Milton Corn Academic Award and the Heinz Bauer MD award, both for academic excellence. She completed her residency in Internal Medicine at Washington Hospital Center and after residency she worked for the US PHS as a National Health Corps Scholar in inner city Philadelphia. She has built a large and satisfied clientele in her Internal Medicine practice in Washington, DC. It was while building this practice that she developed a greater interest in lifestyle medicine after becoming aware of health impact of chronic stress on her busy downtown Washington, DC patients, many of whom work at the World Bank, NGO, Capitol Hill, local law and lobbying firms as well as government agencies.

She has spent years practicing the ideals of lifestyle medicine with her attention to regular exercise, healthy eating consisting of a whole food, plant-based diet and meditation. She has studied extensively in the area of lifestyle medicine including postgraduate training in Lifestyle Medicine at the Harvard University Institute of Lifestyle Medicine, Healthy Kitchens Healthy Lives Harvard School of Public Health, and the Physician Committee for Responsible Medicine, and is a Board Member of the Mindfulness Center in Bethesda, Maryland. She has already had feedback from her clients of the life changing effect that her healthy lifestyle counseling has had on them. She is a Fellow of the American College of Physicians and is an active member of the American College of Lifestyle Medicine.

MedStar Institute
for Innovation

John Yosaitis, MD

Medical Director, MedStar Simulation Training & Education Lab
Medical Director, Integrated Learning Center, Georgetown University School of Medicine
Associate Professor, Georgetown University Medical School

John Yosaitis, MD, is medical director of MedStar Simulation Training & Education Lab (SiTEL), the education and technology group developing learning solutions for associates at MedStar Health. He brings more than 25 years of clinical and leadership experience to this role, in which he directs the interdisciplinary team responsible for creating learning that elevates associate performance and advances patient care at MedStar.

A former biomedical engineer, Dr. Yosaitis began his medical career at National Institutes of Health as a clinical anesthesiologist and researcher. Since 2000, Dr. Yosaitis has served MedStar Georgetown University Hospital and Georgetown School of Medicine as both a pediatric and adult transplant anesthesiologist and an educator. While serving as clinical director of the anesthesiology department at MedStar Georgetown University Hospital, Dr. Yosaitis launched the bloodless surgery program, pioneering multiple clinical techniques to minimize blood loss and leading efforts to embrace such approaches across the surgical community.

In conjunction with his role at MedStar SiTEL, Dr. Yosaitis currently leads Georgetown University School of Medicine's preclinical simulation initiative, designed to reinforce students' understanding of basic clinical sciences concepts and diagnostic skills through simulation-based education. A dynamic and passionate professor, he has been honored for his teaching at Georgetown University School of Medicine three times.

Dr. Yosaitis received his medical degree from Rutgers University. He completed his residency in anesthesiology at George Washington University and his fellowship in transplant anesthesia at MedStar Georgetown University Hospital. He is certified by the American Board of Anesthesiology and is a member of several distinguished professional associations, including the American Medical Association and the American Society of Anesthesiologists.