CLINICAL INFORMATICS FELLOWSHIP FACULTY

Children's Hospital of Philadelphia®

Department of Biomedical & Health Informatics

Children's Hospital of Philadelphia has more board certified physicians in Clinical Informatics than any other institution. Our faculty members are representative of all operational areas including practicing clinicians, research principal investigators, and institutional leaders.

Anthony Luberti, MD

Medical Director, Informatics Education
Associate Clinical Professor, Pediatrics
Clinical Informatics Program Director

Dr. Luberti leads the Department of Biomedical and Health Informatics (DBhi) Education program as its medical director and is the program director for CHOP's Clinical Informatics Fellowship program. He serves in a variety of other roles at CHOP, including medical director of both CHOP's nurse call center and EpicCare's ambulatory electronic medical record program for the CHOP Care Network. Dr. Luberti is also active in the practice of pediatric medicine at the Hospital's primary care centers by serving as the attending physician and preceptor for pediatric medical residents. In his tenure with DBHi, he has established a robust array of seminar and colloquial series, a popular annual all-day healthcare informatics symposium, curriculum-focused informatics initiatives, and collaborations with informatics programs throughout the Philadelphia area and beyond. Dr. Luberti received his MD from the University of Pennsylvania School Of Medicine and completed his pediatric residency at St. Christopher's Hospital and fellowship in Faculty Development at Thomas Jefferson University. He also holds a master's degree in Information Science and is board-certified in clinical informatics. He is also an adjunct professor for Temple University's health informatics post-graduate program.
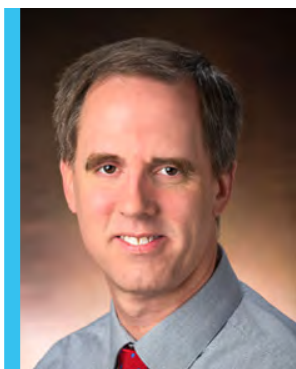
Mark Diltz, EdD, MBA

Coordinator, Clinical Informatics Fellowship
Principal, Informatics Education

Mark Diltz manages the daily operation of DBHi's Education program by executing on its long-term strategy. In his tenure with DBHi, Mark manages the operations of the Clinical Informatics Fellowship program at CHOP. He also supervised the formation of DBHi's informatics certificate program, organized and recruited speakers for seminars, colloquia, journal clubs, and symposia, and forged strong relationships with other education-focused informatics organizations. In addition, Dr. Diltz has promoted informatics education strategic initiatives to colleagues within CHOP's information services and clinical informatics domains. Mark received his EdD from Widener University and holds master's degrees in business administration from LaSalle University and managerial science from Marywood University. He is an adjunct professor for Temple University's health informatics post-graduate program.

Charles Bailey, MD, PhD

Course Director – Data Acquisition Rotation

Dr. Bailey is a member of the divisions of Oncology, Hematology and DBHi. His clinical focus is on leukemia and lymphoma. He also works on improving the quality of supportive care for children with cancer and serves as part of the steering committee for the division's Leukemia/Lymphoma Group. Dr. Bailey's research centers on the development of learning health systems including the creation of methods to share data across hospitals, to recognize the clinical implications of information gathered from different sources, and to provide support to clinicians to use this information more effectively. He sits on the CHOP's Clinical Decision Support committee, and the Division of Oncology's chemotherapy safety and quality improvement committees. He received his MD from the University of Pennsylvania and is board certified in hematology and clinical informatics.

Christopher P. Bonafide, MD, MSCE

Course Director – Clinical Research Informatics Rotation

Dr. Bonafide is Associate Chief of the Division of General Pediatrics and member of DBHi. In addition to his appointment as Associate Professor of Pediatrics and Director of Pediatric Implementation Research at the University of Pennsylvania, he serves as Associate Director for Implementation Science at Clinical Futures, a Center of Emphasis within the CHOP Research Institute. Dr. Bonafide's research focuses on implementation science for the pediatric hospital setting, and has a particular interest in deimplementing unnecessary interventions that are not grounded in evidence. Dr. Bonafide has been at CHOP since arriving for his pediatric residency in 2004. He received his MD from the Pennsylvania State University College of Medicine and MSCE from the University of Pennsylvania. He is board-certified in general pediatrics, pediatric hospital medicine, and clinical informatics.

Ian Morgan Campbell, MD, PhD

Faculty – Clinical Informatics Medical Genetics
and Genomics
Fellowship Alumni - 2020-2022

Dr. Campbell's interest in Clinical Informatics came about through observing shortfalls in precision medicine that he believes can be improved through changes in the electronic health record. Ian envisions developing a framework for holding and processing a patient's genomic data that goes beyond the current model where most clinically applicable genomic data is stored in PDF documents within the electronic health record, making processing of the data computationally impractical. Ian looks forward to working with various faculty through the Clinical Informatics Fellowship and honing his health informatics skills in order to help him carry out his vision for improving patient care. He received his MD/PhD through Baylor College of Medicine.

Leah Carr, MD

Course Director – Inpatient/Cognitive Informatics
Rotations
Fellowship Alumni – 2020-2022

Dr. Carr became interested in clinical informatics during her medical education and pediatrics residency as well as through her Neonatology Fellowship at the Children's Hospital of Philadelphia. Through these experiences, she began to see the ability of clinical informatics to make a systems-level impact on medical care. She sought out ways to help improve work flow in her various roles so that more time could be spent on quality patient care. This ultimately led Leah to work on a patient safety checklist project that resulted in a significant improvement in compliance. She is in the process of translating this patient checklist tool into the EHR and looks forward to furthering her informatics knowledge under the direction of the clinical informatics faculty offered through the fellowship. Leah holds her MD from the University of Vermont College of Medicine and is undertaking her residency in pediatrics at Seattle Children's/University of Washington Medical Center.

Sansanee Craig, MD

Chair, Fellowship Diversity, Equity and Inclusion Committee
Fellowship Alumni – 2018 - 2020

Dr. Craig comes to Children's Hospital of Philadelphia from Johns Hopkins Hospital Bayview where she was on staff as an attending physician and pediatric hospitalist since completing her residency in pediatrics from the University of Minnesota in 2015. A quality improvement project as a senior resident sparked her interest in clinical informatics and health systems sciences. Dr. Craig holds dual US/Thai citizenship and is passionate about pediatric hospital medicine, clinical informatics, reducing health disparities, and global health, especially medical education in Southeast Asia. She earned a bachelor's degree from the University of Rochester and her medical degree in Israel at Ben Gurion University, a four-year medical school program with a longitudinal curriculum in global health where she was an advocate for Thai migrant workers. Dr. Craig's informatics focus is in the areas of quality improvement and global health.

Bimal Desai, MD, MBI

Course Director – Leadership in Clinical Informatics Rotation

Dr. Desai is Chief Medical Informatics Officer at CHOP and director of the healthcare software development group. He currently oversees a multi-year project to implement and optimize components of a comprehensive electronic health record and is also involved in numerous clinical informatics initiatives. He is a member of the Department of Pediatrics and DBHi. He also co-founded Haystack Informatics to help hospital privacy officers fulfill the promise of patient privacy monitoring. Dr. Desai holds appointments on the faculties of both the Perelman School of Medicine and the Institute for Biomedical Informatics at the University of Pennsylvania. He received his MD from Washington University in St. Louis and completed his MS with Oregon Health and Science University. He is board certified in pediatrics and clinical informatics.

Daria Ferro, MD

Course Director – Quality Improvement and Informatics Rotation
Fellowship Alumni – 2016 - 2018

Dr. Ferro served as chief pediatric resident at St. Christopher's Hospital for Children prior to joining DBHi at CHOP as a clinical informatics fellow in 2016. While chief resident, she was an inaugural member of the hospital's medical informatics committee and helped to develop the resident informatics committee. She also served as a member of the institution's Center for Quality, Operational Excellence, and Patient Safety. She completed her pediatrics residency training at St. Christopher's Hospital for Children and is board certified in pediatrics. Dr. Ferro has a bachelor's from Barnard College in neuroscience and behavior and an MD from SUNY Downstate College of Medicine. Dr. Ferro is currently an assistant professor in Pediatrics with the Perelman School of Medicine at the University of Pennsylvania and a DBHi faculty member. Her clinical informatics interests include utilizing clinical data to optimize the quality and safety of patient care.

Robert W. Grundmeier, MD

Course Director – Clinical Informatics Clinical Decision Support Rotation

Dr. Grundmeier joined CHOP in 1997 as a resident after receiving his MD from the University of Pennsylvania. He currently practices medicine in the South Philadelphia primary care office and, since 2006, has served as DBHi's clinical informatics director. Dr. Grundmeier's informatics work focuses on the expansion of the electronic health record interface to deliver interventions and decision support directly to healthcare providers within the clinical setting. He is board certified in clinical informatics and is considered a national expert in the repurposing of clinical data for secondary use in clinical and genomics research and provides consultation, data reporting, and honest broker services to researchers who need to extract data from the electronic health record. Dr. Grundmeier is also a founding member of the Pediatric Research Consortium (PeRC), a DBHi-led group that facilitates electronic health record-mediated research within CHOP's dozens of primary care practices across the region. He also holds a bachelor's in aeronautical and astronautical engineering from the Massachusetts Institute of Technology.

Dean Karavite, MS

Faculty – Cognitive Informatics Rotation

Dean Karavite joined CHOP in 2008 after working in several healthcare informatics environments at Temple University, IBM, and University of Michigan Hospital. He joined DBHi in 2010 to aid in the development of healthcare information technology solutions, including clinical decision support and shared decision-making tools mediated through CHOP's electronic health record. Through his participation on these projects and based on his knowledge of both clinical and research workflows, he hopes to improve outcomes, electronic health record functionality, and clinician and patient interface usability. He earned a master's in human computer interaction from the University of Michigan School of Information.

Genna Kreher MPH, CPHQ, LSSGB

Faculty – Data Science

Genna is a Data Literacy Program Manager in the Data and Analytics team in the Children's Hospital of Philadelphia. Genna's work is focused on building a data empowerment and literacy program strategy to meet the needs of a data driven workforce across the enterprise. She leads a team of Data Education Specialists and Analytics Concierge Specialists developing learning personas, teaching data fluency and driving CHOP employees to become more data fluent. Prior to launching the data literacy program, Genna served in several roles within data and analytics – policy and standards development in data governance and as a senior clinical data analyst for 5 years focusing on quality and process improvement and reporting. She is passionate about driving data fluency and democratization as well as process optimization and best practices for data thought leaders. She is a nationally recognized leader in data literacy in the healthcare space. Genna holds a Master's in Public Health in Epidemiology/Biostatistics from Drexel University Dornsife School of Public Health and a BA in Spanish and Biology from Colgate University.

Eli Lourie, MD, MBI

Course Director – Clinical Informatics Ambulatory Rotation

Eli Lourie, MD, MBI is a general pediatrician and clinical informatician. He is the Associate Chief Health Informatics Officer for Ambulatory at Children's Hospital of Philadelphia and a Clinical Associate Professor of Pediatrics at the Perelman School of Medicine of the University of Pennsylvania. Dr. Lourie also holds a Master of Biomedical Informatics from the Oregon Health Sciences University. Dr. Lourie's informatics interests include clinical decision support, quality improvement, and improving provider efficiency. He is also interested in informatics education and is involved with the clinical informatics fellowship at Children's Hospital of Philadelphia.

Brooke Luo, MD

Course Director – Clinical Informatics Inpatient and Cognitive Informatics Rotation
Fellowship Alumni – 2018 - 2020

Dr. Brooke Luo is a pediatric hospital medicine attending in the Division of General Pediatrics and member of DBHi. She received her MD from the OU College of Medicine in 2015, and completed her pediatric residency and clinical informatics fellowship at CHOP. She works at the intersection of operational and research informatics with a focus in health technology and patient safety. As co-founder and medical director of the Health Technology and Patient Safety Program at CHOP, she has worked on a number of quality and safety related endeavors including advancing clinical decision support in the electronic health record (EHR) to prevent medication prescribing errors, standardizing institutional medication prescribing practices for common pediatric disease pathologies, and implementing institution-wide smartphone technologies integrated with the EHR to replace hospital pagers. Her operational and research interests are at the intersection of human factors engineering, patient safety, and healthcare technology. She has been co-PI on a number of grants related to alarm fatigue and decision support in the EHR. She most recently led an effort to implement clinical decision support across 19 institutions in 4 different EHRs to ensure best evidence-based practices for monitoring of patients with bronchiolitis in the Eliminating Monitoring Overuse "EMO" trial. She is board-certified in pediatrics and clinical informatics.
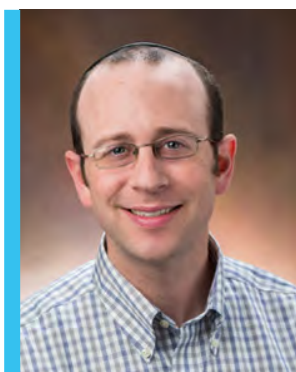
Jeremy Michel, MD, MHS

Faculty – Clinical Informatics Clinical Decision Support Rotation

Dr. Michel is a clinical informaticist and an attending physician at the Children's Hospital of Philadelphia Karabot's primary care center. He received his informatics fellowship training at Yale University where he designed a translation process for clinical practice guidelines into clinical decision support and quality measures. His current focus is on the development, evaluation, and dissemination of shareable clinical decision support. To this end, he applies EHR-agnostic development process to address a variety of primary care pediatrics topics including immunizations, attention deficit-hyperactivity disorder, and lead screening. He currently serves as the Medical Director for the ECRI Guideline's Trust, an online clinical guideline repository for medical specialties. He received his MD from Drexel University college of Medicine and his MHS from Yale University. He is board certified in pediatrics and informatics.
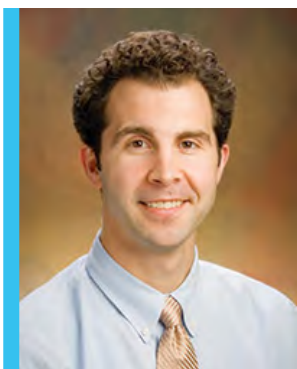
Amrom Obstfeld, MD, PhD

Course Director, Pathology Informatics Concentration

Dr. Obstfeld became a member of DBHi in 2016. He is an Assistant Professor of Clinical Pathology and Laboratory Medicine at the University of Pennsylvania Perelman School of Medicine and the Assistant Director of Hematology and Coagulation Laboratories at the Children's Hospital of Philadelphia. Amrom received his MD from the College of Physicians and Surgeons, Columbia University and his PhD in Physiology from Columbia University. He completed his post-doctoral training and residency in the Department of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania.
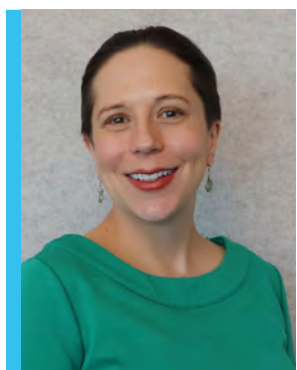
Michael Padula, MD, MBI

Faculty – Data Standards and Clinical Terminologies

Dr. Padula is medical director of Informatics for the Division of Neonatology at CHOP, and an associate professor of Clinical Pediatrics at the Perelman School of Medicine at the University of Pennsylvania. He is actively involved in the education and training of medical students, residents and fellows. His clinical interests include prediction and detection of neonatal infections, neonatal resuscitation, and neurodevelopmental outcome. He is also a clinical informaticist with interests in standards and interoperability, data modeling, and clinical decision support. Dr. Padula serves on the executive committee of the Children's Hospitals Neonatal Consortium (CHNC), which focuses on improving outcomes for infants receiving care at tertiary Neonatal ICUs, and created the Children's Hospitals Neonatal Database (CHND) in conjunction with the Children's Hospital Association. Additionally, he is co-chair of the of Health Level Seven (HL7) Child Health Work Group, contributing to interoperability standards for Electronic Health Record Functional Profiles and Clinical Document Architecture used in quality reporting and health information exchange. Regionally, Dr. Padula serves on the Technical Standards Committee of the HealthShare Exchange of Southeastern Pennsylvania (HSX of SE PA), a collaborative initiative supporting the development of a Health Information Exchange among the acute care hospitals and healthcare plans of the Greater Philadelphia region. He earned his undergraduate degree from the Princeton University and his medical degree from Jefferson Medical College and also holds a master's in biomedical informatics from Oregon Health & Science University. He is board certified in pediatrics and neonatal-perinatal medicine.
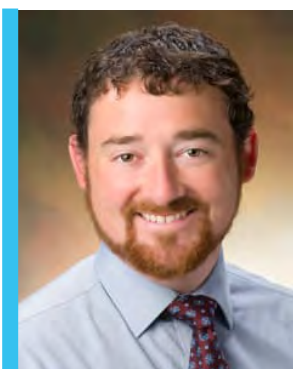

Joy Payton, MS

Faculty – Data Science

Joy Payton, MS, is a data scientist with a passion for capacity building and education. As supervisor of data education for the Department of Biomedical and Health Informatics, she leads the development and implementation of education programs that promote high-impact use of data made available through the Arcus platform at CHOP. She educates researchers and clinicians in data science skills, conducts research into how data science education can advance researcher effectiveness, and works across constituencies to build data fluency at CHOP. In the Clinical Informatics Fellowship, she focuses on teaching the software development life cycle, version control, research reproducibility, and technical skills such as R, Python, and SQL.

Eric David Shelov, MD, MBI

Course Director - Clinical Informatics Inpatient Rotation

As CHOP's Associate Chief Health Informatics Officer, Dr. Shelov focuses on optimizing the electronic health record, developing clinical decision support for quality improvement initiatives, and promoting electronic health record development that is in-line with emerging best practices. Within DBHi, he is a faculty member in the Clinical Informatics fellowship program. He is also the medical director for the Inpatient Electronic Health Record.

Dr. Shelov is a pediatric hospitalist and dedicates his time to both teaching and non-teaching services. He received his bachelor's from Yale University, MD from Albert Einstein College of Medicine, and completed his master's in in biomedical informatics from Oregon Health and Science University in 2016. Dr. Shelov completed his residency at CHOP in 2009 and is board certified in pediatrics and clinical informatics.

Jeritt Thayer, MS

Faculty – Clinical Decision Support

Jeritt Thayer is a Software Engineer in the Clinical Decision Support unit of the Department of Biomedical and Health Informatics at CHOP. Jeritt's work focuses on the development of novel technology and methodological frameworks to facilitate advanced models of care delivery aimed at improving health and health care. He has

developed several electronic health record (EHR) embedded clinical decision support systems and advises multiple healthcare companies on EHR integration efforts. He holds a Master's degree in Biomedical Informatics and a BA in Mathematics from New York University.
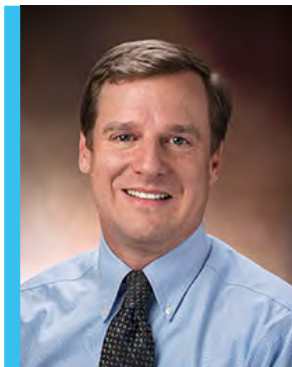
Levon Haig Utidjian, MD, MBI

Faculty – Clinical Informatics Data Acquisition Rotation
Fellowship Alumni – 2013 - 2015

Dr. Utidjian is a pediatric hospitalist and clinical informaticist at CHOP. He is an assistant professor in Pediatrics at the Perelman School of Medicine at the University of Pennsylvania. In July 2012, Dr. Utidjian was a postdoctoral trainee in clinical informatics following his appointment as Chief Pediatric Resident at CHOP. He helped develop the Clinical Informatics Fellowship program and then graduated as DBHi's first fellow in clinical informatics in 2015. Dr. Utidjian received his MD from New York University and bachelor's in chemistry from Stanford University. He also holds a master's degree in biomedical informatics from Oregon Health & Science University and is board certified in clinical informatics. His research interests are in clinical decision support and the secondary use of electronic health records data.
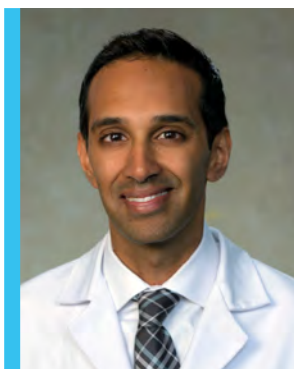
Joseph J. Zorc, MD, MSCE

Course Director - Clinical Informatics Acute/ED Rotation

Dr. Zorc is an attending physician in the Emergency Department, Director of Emergency Information Systems, holder of the Mark Fishman Endowed Chair in Genomics and Computational Science at CHOP, and a professor of Pediatrics at the University of Pennsylvania. He is board certified in clinical informatics and has over 20 years of experience implementing information systems at CHOP, and a more recent passion for training future informatics leaders as a faculty member for the DBHi Clinical Informatics fellowship. In addition to a master's degree in epidemiology, he has formal training in quality improvement, and his interests lie at the intersection of clinical research, informatics. and quality improvement, with a particular focus on acute care. Dr. Zorc completed his undergraduate degree from Harvard University and earned his MD from Columbia. Both his pediatrics residency and fellowship in pediatric emergency medicine were at Johns Hopkins Hospital.

Srinath Adusumalli, MD, MBMi, FACC

Senior Medical Director, Enterprise Virtual Care, CVS Health

Dr. Adusumalli is an Assistant Professor of Clinical Medicine at the University of Pennsylvania Perelman School of Medicine and assistant cardiovascular disease fellowship program director with the Division of Cardiovascular Medicine at the Hospital of the University of Pennsylvania. He is the Assistant Chief Medical Information Officer for Connected Health Strategy and Application for the University of Pennsylvania Health System and serves as a clinical innovation manager with the Nudge Unit and the Acceleration Lab at the Penn Medicine Center for Health Care Innovation. His informatics interests and work focus on the utilization of health information technology and behavioral science to advance to evaluate and accelerate the adoption of evidence-based healthcare in a manner that is safe for patients, easy for clinicians, and educational for trainees. Dr. Adusumalli received his medical degree from the Medical College of Virginia and completed his internal medicine training at the Massachusetts General Hospital in 2014 where he led the program's quality, safety, and informatics education efforts. He then completed his cardiovascular disease fellowship training at the University of Pennsylvania in 2018 during which time he served as chief fellow while also earning a Master of Science degree in Health Policy Research from the University of Pennsylvania with a focus in healthcare improvement, patient safety, and clinical informatics. He recently completed a Master of Biomedical Informatics degree through the University of Pennsylvania. He is board certified in internal medicine, cardiovascular disease, and echocardiography.

Alexander Fiks, MD, MSCE

Director, Possibilities Project: Innovation in Pediatric Primary Care - Children's Hospital of Philadelphia

Dr. Fiks is a primary care pediatrician and an Associate Professor of Pediatrics at the Perelman School of Medicine at the University of Pennsylvania and CHOP. Board certified in clinical informatics, his research aims to improve outcomes for ambulatory pediatric patients through practice-based research with a focus on improving health and healthcare decision-making through health information technology. To achieve these goals, much of Dr. Fiks' research focused on fostering shared decision making between clinicians and families, especially in the setting of behavioral health conditions. He is also especially interested in how electronic health record data may best be used to improve primary care, medication use, and child health more broadly. With the American Academy of Pediatrics Pediatric Research in Office Settings Network, which he directs, Dr. Fiks has been involved in building the Collaborative Electronic Reporting for Comparative Effectiveness Research (CER2), an electronic health record database designed to support pharmacoepidemiologic and other comparative effectiveness studies that currently includes >1.2 million US children from across multiple health systems. He is also the Co-Medical Director for the Pediatric Research Consortium (PeRC), CHOP's practice-based research network, Associate Director of CHOP's Center for Pediatric Clinical Effectiveness (CPCE), a founding member of DBHi, and faculty in PolicyLab. He actively mentors multiple faculty and academic fellows.

Naveen Muthu, MD

Director, Informatics Innovation Unit – Children's Healthcare of Atlanta
Fellowship Alumni – 2015 - 2017

Dr. Muthu joined DBHi in 2015 as a clinical informatics fellow. He was Doris Duke Clinical Research Fellow at the University of Iowa and a member of the House Staff Quality Control at Georgetown University Hospital. Naveen completed his undergraduate degree in biology at Harvard University. He attended medical school at the University of Missouri before going on to complete residency in internal medicine and pediatrics at Georgetown University Hospital. Dr. Muthu's informatics interests revolve around optimizing risk assessment and risk communication to improve medical decision making. He completed his fellowship at CHOP in clinical informatics in June 2017. Along with co-fellow Dr. Marc Tobias, Dr. Muthu won multiple national awards, including being one of four winners in a Provider User Experience Challenge hosted by the Department of Health and Human Services. Dr. Muthu is a pediatric hospitalist at CHOP and clinical instructor in pediatrics at University of Pennsylvania's Perelman School of Medicine. His professional focus in in the area of cognitive informatics and utility of sociotechnical models in explaining health information technology outcomes.
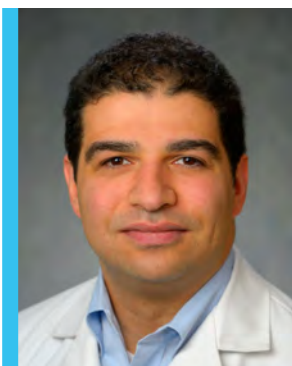
Marc Tobias, MD

Founder and CEO, Phrase Health
Fellowship Alumni – 2015 – 2017

Dr. Tobias completed his undergraduate degree in economics at the University of California, Berkeley. He attended medical school at the State University of New York Downstate before continuing his training in emergency medicine at Cooper University Hospital. He completed a clinical informatics fellowship at CHOP where he focused on electronic health record interoperability and clinical decision support. Along with his colleague, Dr. Naveen Muthu, he won multiple national awards for his work on the Phrase Health platform, including being one of four winners in a Provider User Experience Challenge hosted by the Department of Health and Human Services. Following his fellowship, he founded a governance and analytics software company around the Phrase Health platform and participates in clinical decision support research. Additionally, Dr. Tobias continues to engage clinically as an adjunct assistant professor of Emergency Medicine at the University of Pennsylvania.

Yevgeniy Gitelman, MD

Faculty – Penn – Clinical Informatics

Dr. Yevgeniy Gitelman is a hospitalist at the Hospital of the University of Pennsylvania and Clinical Assistant Professor of Medicine with interests that include healthcare Informatics and software development and design. He also serves as a Clinical Informatics Manager at the Penn Medicine Center for Health Care Innovation where he provides clinical and technical input on projects focusing on improving care delivery methods, staff workflow and patient experience. Prior to working at Penn, Dr. Gitelman worked at the Philadelphia VA Medical Center as a hospitalist. He earned his medical degree from Washington University in Saint Louis and completed a medical residency at the Hospital of the University of Pennsylvania.

C. William Hanson, MD

Chief Medical Information Officer and Vice President
Professor of Anesthesia, Surgery and Internal Medicine
Hospital of the University of Pennsylvania

Faculty – Penn – Clinical Informatics

C. William Hanson, III, MD, Chief Medical Information Officer and Vice President of the University of Pennsylvania Health System, is an internist, anesthesiologist, and intensivist. Dr. Hanson has extensive experience in medical informatics and was Visiting Professor in the Princeton University Department of Computer Science between 2002 and 2005. Dr. Hanson's anesthetic specialty is cardiac anesthesia (cardiac surgery, thoracic surgery, lung and heart transplantation).

His research using "electronic nose" technology to detect diseases such as pneumonia and sinusitis by breath analysis has been featured in Scientific American. He published The Edge of Medicine: The Technology That Will Change Our Lives, a non-fiction book profiling innovations in biotechnology that are changing the delivery of medical care and the ways in which they're altering the human experience. He also published, Smart Medicine: How the Changing Role of Doctors Will Revolutionize Health Care, revealing the revolutionary changes sweeping through the medical community. Dr. Hanson's research has been featured in publications including Popular Science, U.S. News and World Report, and he has been a guest on NPR's Fresh Air and documentaries seen on the Discovery Channel.

John H. Holmes, PhD, PHD, FACE, FACMI

Professor of Medical Informatics in Epidemiology
Perelman School of Medicine
University of Pennsylvania

John H. Holmes, PhD, is Professor of Medical Informatics in Epidemiology at the University of Pennsylvania Perelman School of Medicine. He is the Associate Director of the Penn Institute for Biomedical Informatics and is Past-Chair of the Graduate Group in Epidemiology and Biostatistics. He has mentored or co-mentored 18 pre- and post-doctoral students in informatics or epidemiology, and has developed curricula for graduate training in epidemiology and biomedical informatics. Dr. Holmes has been recognized nationally and internationally for his work on developing and applying new approaches to mining epidemiologic surveillance data, as well as his efforts at furthering educational initiatives in clinical research.

Dr. Holmes' research interests are focused on the intersection of medical informatics and clinical research, specifically evolutionary computation and machine learning approaches to knowledge discovery in clinical databases, deep electronic phenotyping, interoperable information systems infrastructures for epidemiologic surveillance, and their application to a broad array of clinical domains, including cardiology and pulmonary medicine. He has collaborated as the informatics lead on an Agency for Healthcare Research and Quality-funded project at Harvard Medical School to establish a scalable distributed research network. He has also served as the co-lead of the Governance Core for the SPAN project, a scalable distributed research network, and he participates in the FDA Sentinel Initiative. Dr. Holmes recently served as the evaluator for the PCORNet Obesity Initiative studies, where he was responsible for developing and implementing the evaluation plan and metrics for the initiative.

Dr. Holmes is a principal or co-investigator on projects funded by the National Cancer Institute, the National Library of Medicine, and the Agency for Healthcare Research and Quality, and he was the Penn Principal Investigator of the NIH-funded Penn Center of Excellence in Prostate Cancer Disparities. Dr. Holmes is engaged with the Botswana-UPenn Partnership, assisting in building informatics education and clinical research capacity in Botswana. Dr. Holmes is an elected Fellow of the American College of Medical Informatics (ACMI) and the American College of Epidemiology (ACE), and an elected Member of the International Academy of Health Sciences Informatics (IAHSI).

Kevin Johnson, MD

Faculty – Penn – Clinical Informatics

Kevin B. Johnson, MD, MS is the David L. Cohen (PI) University Professor of Pediatrics, Informatics, and Science Communication at the University of Pennsylvania. He is an internationally respected developer and evaluator of clinical information technology. His research focuses on translating innovative data capture approaches to practice, including text messaging for behavior change, computer-based documentation, and eprescribing.

He is the author of over 150 publications and books or book chapters. He was elected into the American College of Medical Informatics in 2004, The Academic Pediatric Society in 2010, the National Academy of Medicine (Institute of Medicine) in 2010, the Johns Hopkins School of Medicine Society of Scholars in 2014, and Vanderbilt University's Alexander Heard Distinguished Service Professor award in 2017, and was inducted into the Nashville Technology Council Hall of Fame in 2018.

Jon K. Pomeroy, DO

Faculty – Penn – Clinical Informatics

As Associate Director of IS Clinical Initiatives and lead for the Provider Builder program at Penn Medicine, Dr. Pomeroy supports Electronic Health Record (EHR) solutions to address clinical complexities of healthcare through application development and data analytics. Key responsibilities include leading proof-of-concept implementation efforts that involve health information technology, outcome and metric creation, algorithm development, and advanced clinical decision support (CDS). He has served as a chair for Clinical Operations, Integrated Clinical Decision Support, Predictive Healthcare Workgroup, and the IS lead for the Opioid Task

Force Steering Committee. Dr. Pomeroy earned his undergrad degree from the University of Pennsylvania and his medical degree from the Philadelphia College of Osteopathic Medicine. He completed his internal medicine residency at the University of Hawaii and holds a Masters in Healthcare Innovation from the University of Pennsylvania Perelman School of Medicine. He continues to practice internal medicine with Penn Medicine OnDemand and is pursuing a PhD in Information Science at Drexel University. He is board certified in internal medicine and clinical informatics.