



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.

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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.



L. Charles Bailey, MD, PhD

Associate Professor, Pediatrics

Data Acquisition Rotation - Course Director

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 Bonafide, MD, MSCE

Core Faculty,

Center for Pediatric Clinical Effectiveness

Clinical Research Informatics Rotation -

Course Director

Dr. Bonafide is an academic hospitalist in the Division of General Pediatrics and member of DBHi. In addition to his appointment as assistant professor of Pediatrics at the University of Pennsylvania, he serves as a core faculty member with CHOP's Center for Pediatric Clinical Effectiveness. Dr. Bonafide's research focuses on discovering the best methods to identify and respond to deteriorating patients in the hospital, including the establishment of effective

solutions to the problem of alarm fatigue. He made important contributions in the area of rapid response systems and physiologic monitor alarm fatigue, and he developed an international reputation as an expert in hospital patient safety research. Dr. Bonafide received his MD from the Pennsylvania State University College of Medicine and MSCE from the University of Pennsylvania. He is board-certified in pediatrics and clinical informatics.

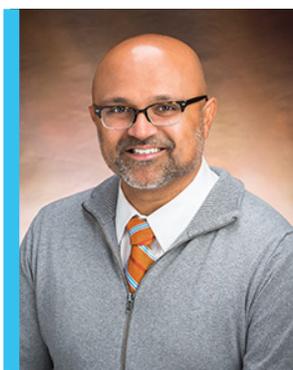


Sansanee Craig, MD

Clinical Instructor, Digital Health Equity

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

Chief Medical Information Officer
Clinical Informatics Leadership Rotation –
Course Director

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.



Alexander Fiks, MD, MSCE

Associate Director,
Center for Pediatric Clinical Effectiveness
Associate Director,
Pediatric Research Consortium
Informatics Capstone Project – Course Director

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.



Robert Grundmeier, MD

Assistant Professor, Pediatrics
Director and Section Chief of Clinical Informatics
Clinical Decision Support Rotation –
Course Director

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.



Eli Lourie, MD

EHR Clinical Champion for Specialty Care,
Quality Improvement and Meaningful Use
Clinical Informatics Ambulatory Rotation –
Course Director

Dr. Lourie is a clinical informaticist and an attending pediatrician for Children’s Hospital’s South Philadelphia primary care practice, and is an assistant clinical professor of pediatrics at the University of Pennsylvania School Of Medicine. His informatics interests lie in the two key areas of clinical decision support and

improving the quality of healthcare through practice-based metrics at the enterprise level. Dr. Lourie earned his MD from Case Western Reserve University, he and holds a bachelor’s degree from Tufts University and a master’s in biomedical informatics from the Oregon Health Sciences University.



Brooke Luo, MD

Clinical Instructor, Health IT Patient Safety

Dr. Luo discovered clinical informatics through an elective during her internship at CHOP. Clinical informatics served as the perfect bridge between her interests in problem-solving, technology, and medicine. During her pediatric residency, she created clickable inpatient discharge instructions for common admission diagnoses and hosted a resident Hackathon to facilitate identifying and solving workflow problems. Dr. Luo was also a

leader of the New Epic Resident Development (NERD) Squad. She is co-author of a paper about informatics education during residency that appeared in *Applied Clinical Informatics*. She completed her medical training at University of Oklahoma College of Medicine and undergraduate work in biomedical engineering at Duke University. Her informatics interests are in the areas of clinical decision support and innovation.



Amrom Obstfeld, MD, PhD

Assistant Professor of Clinical Pathology and Laboratory Medicine

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

Associate Professor, Clinical Pediatrics
Clinical Informatics Champion for Neonatology
HIE/Clinical Standards Rotation –
Course Director

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 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.



Eric Shelov, MD

Electronic Health Record Medical Director for Inpatient Care
Associate Chief Medical Information Officer
Clinical Informatics Inpatient Rotation –
Course Director

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.



Joseph Zorc, MD, MSCE

Professor, Pediatrics & Endowed Informatics Chair
Clinical Informatics Champion for Emergency Medicine
Clinical Informatics Acute/ED Rotation –
Course Director

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, MSc, FACC

Assistant Chief Medical Information Officer,
Connected Health Strategy and Applications
Assistant Professor of Clinical Medicine,
University of Pennsylvania Health System

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.



Ian Campbell, MD, PhD

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

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.



Daria Ferro, MD

Assistant Professor, Pediatrics
Instructor, Informatics Quality Improvement

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.

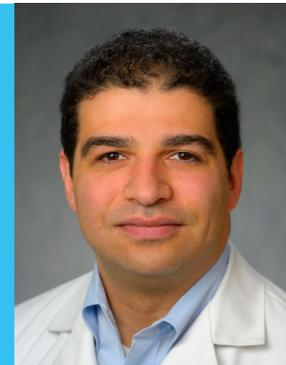


Genna Kreher MPH, CPHQ

Clinical Informatics-Quality Improvement
Rotation Co-Director

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.



Yevgeniy Gitelman, MD

Clinical Assistant Professor
Clinical Informatics Manager
University of Pennsylvania Health System

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.



Dean Karavite, MS

Principal Human Computer Interaction Specialist
Instructor, Human Factors Engineering

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.



Naveen Muthu, MD

Assistant Professor, Pediatrics
Instructor, Cognitive Informatics

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 is in the area of cognitive informatics and utility of sociotechnical models in explaining health



Jon Pomeroy, DO, MSHI, MHA, MHCI

Associate Director, IS Clinical Initiatives,
Penn Medicine Information Services
Clinical Instructor, Penn Medicine Informatics Rotation
Adjunct Assistant Professor of Medicine, Penn Medicine

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.



Marc Tobias, MD

Adjunct Assistant Professor
Instructor, Informatics Innovation

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.