



## 2019 External Advisory Committee Members



### **Daniel Cooper, MD**

Director, Institute for Clinical and Translational Science  
Program Director, Clinical Research Center at Irvine  
University of California, Irvine

Dan M. Cooper MD is the UC Irvine Associate Vice Chancellor for Clinical and Translational Science and the PI of UCI's CTSA, the Institute for Clinical and Translational Science (ICTS). Dr. Cooper is a pediatric pulmonologist and professor of pediatrics with more than 35 years of NIH funding focused broadly on the role of physical activity in health and disease in babies, children, and adolescents, all critical periods of growth and development. He received his MD degree at UCSF, trained in pediatrics at NYU Bellevue, and completed a pediatric pulmonary fellowship training under the mentorship of the late Dr. Robert Mellins at Columbia University. Dr. Cooper spent 15 years at Harbor-UCLA Medical Center where he continued his clinical and academic career and benefitted greatly from the mentorship of Dr. Karlman Wasserman, a pioneering researcher in exercise science and the late Dr. JoAnne Brasel, renowned for her work in the endocrinology of growth and development. Among current projects, Dr. Cooper is the PI of the Pediatric Clinical Center of the NIH Common Fund Molecular Transducers of Physical Activity, the most ambitious study ever undertaken to elucidate the mechanisms that link physical activity to improved health across the lifespan. Dr. Cooper also leads the NCATS funded Project REACH (Revamping Exercise Assessments in Child Health) which is focused on developing novel approaches to integrate whole body gas exchange, immune cell genomics, and flow cytometry to develop better ways to use exercise in diagnostic and therapeutic basic science and clinical discovery.



### **Patrick A. Flume, MD**

Associate PI, Medical University of South Carolina CTSA  
Program Director, Research Center at MUSC CTSA  
Medical University of South Carolina

Patrick Flume is a Professor of Medicine and Pediatrics at the Medical University of South Carolina and has been part of the MUSC program since 1993. He serves as the Powers-Huggins Endowed Chair for Cystic Fibrosis and oversees the MUSC Cystic Fibrosis Center. He is the Deputy Editor for the Journal of Cystic Fibrosis. He leads additional clinical programs dedicated to bronchiectasis and non-tuberculous mycobacteria (NTM). He leads the clinical research program for the MUSC pulmonary division. His own interests include new drug and therapy development for patients with CF, bronchiectasis and NTM lung disease, but he also has an interest in determining optimal management of CF pulmonary exacerbations. He serves as co-PI for the MUSC CTSA award, guiding several programs including the Nexus (clinical research center) and Quality and Efficiency. He serves as the Assistant Provost for Research Compliance and Regulatory Affairs.



**James Heubi, MD**

Director, Clinical Translational Research Center  
Co-Director, Center for Clinical and Translational Science and Training  
Associate Dean, Clinical and Translational Research  
Cincinnati Children's Hospital Medical Center

Dr. Heubi received his M.D. from Indiana University in 1973, had pediatric residency training at Riley Children's Hospital in Indianapolis, fellowship training in pediatric gastroenterology, hepatology and nutrition at Cincinnati Children's Hospital Medical Center. His seminal research includes studies of bile acid malabsorption, bone disease in cholestatic liver disease, bile acid synthetic defects, and cholesterol absorption and metabolism. He was program director of the Cincinnati Children's Hospital General Clinical Research Center from 1988-2012 and provided strong leadership for clinical research in Cincinnati with this highly successful program. He served on the NIH GCRC Review Committee from 1997-2001 (Chair 2000-2001) and served on NCRR Council from 2007-2011. Dr. Heubi is Associate Dean for Clinical and Translational Research at University of Cincinnati College of Medicine. He is co-principal investigator of the Cincinnati CTSA award which was funded in 2009. He is the current co-director of the Cincinnati Center for Clinical and Translational Science and Training. Dr. Heubi is program director of a long-standing T35 medical student training grant. He has trained a cadre of investigators that have now assumed faculty positions worldwide. Dr. Heubi's research is currently supported by 5 NIH and CFF grants, and he has published more than 190 original articles.



**Rebecca Jackson, MD**

Director, OSU Center for Clinical and Translational Science  
Associate Dean for Clinical Research  
The Ohio State University

Dr. Jackson, Professor of Medicine at The Ohio State University, is a well-recognized clinical and translational scientist, involved in collaborative multidisciplinary team science with a focus on the epidemiology of chronic disease in women including osteoporosis and fracture, cardiovascular disease, cancer and osteoarthritis. She has a national presence in translational science through her leadership roles in the national CTSA Consortium Steering Committee, Clinical Research Forum, and NIH Advisory Board for Clinical Research. She has more than 25 years of NIH funded clinical trials and observational cohort experience with extensive experience and funding in defining biomarkers and genetic associations (through the conduct of GWAS and exome sequencing studies) for sick of cardiovascular disease, fractures, and knee OA. She is currently PI on multiple RC2 and N01 grants, co-investigator on multiple U01, R01 and R21 grants, and is mentor to 2 K awardees. She was vice-chair of the Women's Health Initiative for more than a decade and currently is PI of the WHI Midwest Regional Field Center. Dr. Jackson was selected to be the first director of The Ohio State University's Center for Clinical and Translational Science which received CTSA funding in 2008. Since that time she has led the programmatic functions, operations, and strategic planning for the Center in successful development and integration of clinical and translational research infrastructure at OSU. Most recently, Dr. Jackson and The Ohio State University were awarded a \$65.9 million NIH grant to participate in the HEALing Communities Study.



**Sean Mooney, PhD**

Co-Lead, NCATS CTSA National Center for Data to Health  
Chief Research Officer  
University of Washington Medicine

Dr. Sean Mooney is the Chief Research Information Officer (CRIO) of UW Medicine and a Professor in the Department of Biomedical Informatics and Medical Education at the University of Washington. As CRIO, he leads the growing Research Information Technology team and provides strategic vision to the development of new platforms that leverage large clinical datasets. Previous to his CRIO role, he was an Associate Professor and Director of Bioinformatics at the Buck Institute for Research on Aging in Northern California. His group is known for managing the development of informatic tools for supporting biomedical research. His research interests focus on data science applications in biomedicine, particularly in understanding the underlying molecular causes of inherited genetic diseases and cancer. As an Assistant Professor, he was appointed in Medical and Molecular Genetics at Indiana University School of Medicine and founder and director of the Indiana University School of Medicine Bioinformatics Core. In 1997, he received his B.S. with Distinction in Biochemistry and Molecular Biology from the University of Wisconsin at Madison. He then received his Ph.D. in 2001 at the University of California in San Francisco, and was later an American Cancer Society John Peter Hoffman Fellowship at Stanford University. He is funded by the National Library of Medicine and other NIH Institutes, mostly in the area of data science and translational medicine. He also has experience leading the construction of communities; he is co-founder of one of the largest nonprofits focusing on biomedical entrepreneurship in the Bay Area, BioE2E, and the Indiana Biomedical Entrepreneur Network. He was part of the team that won the \$150k 2000 Garage.com Student Business Plan Competition, where the proposed plan focused on web-based tools for drug discovery research.



**Philip Payne, PhD, FACMI**

Founding Director, Institute for Informatics  
Washington University School of Medicine, St. Louis

Dr. Payne is the founding Director of the Institute for Informatics (I2) at Washington University in St. Louis, where he also serves as a Professor in the Division of General Medical Sciences. Previously, Dr. Payne was Professor and Chair of the Department of Biomedical Informatics at The Ohio State University. Dr. Payne is an internationally recognized leader in the field of clinical research informatics (CRI) and translational bioinformatics (TBI). His research portfolio is actively supported by a combination of NCATS, NLM, and NCI grants and contracts, as well a variety of awards from both non-profit and philanthropic organizations. Dr. Payne received his Ph.D. with distinction in Biomedical Informatics from Columbia University, where his research focused on the use of knowledge engineering and human-computer interaction design principles in order to improve the efficiency of multi-site clinical and translational research programs. Prior to pursuing his graduate training, Dr. Payne served in a number of technical and leadership roles at both the UCSD Shiley Eye Center and UCSD Moores Cancer Center. Dr. Payne's leadership in clinical research informatics community has been recognized through his appointment to numerous national steering, scientific, editorial, and advisory committees, including efforts associated with the American Medical Informatics Association (AMIA), AcademyHealth, the Association for Computing Machinery (ACM), the National Cancer Institute (NCI), the National Library of Medicine (NLM), and the CTSA consortium, as well as his engagement as a consultant to academic health centers throughout the United States and the Institute of Medicine. Dr. Payne is the author of over 190 publications focusing on



the intersection of biomedical informatics and the clinical and translational science domains, including several seminal reports that have served to define a new sub-domain of biomedical informatics theory and practice specifically focusing upon clinical research applications.



**Julian Solway, MD**

Director, Institute for Translational Medicine  
Dean for Translational Medicine, Biological Sciences Division  
University of Chicago

Julian Solway, MD, is the Walter L. Palmer Distinguished Service Professor of Medicine and Pediatrics at University of Chicago. As Dean for Translational Medicine, he is Founding Director of the University of Chicago-Rush University Institute for Translational Medicine and its NIH Clinical and Translational Science Award (CTSA). He is also Vice Chair for Research in the Department of Medicine. Dr. Solway served full terms on the NHLBI HLBP (program project grant review) and NIH/CSR Respiratory and Applied Physiology Study Sections, and was Deputy Editor of the American Journal of Respiratory and Critical Care Medicine. He has held national leadership roles as President of the ATS RSF Assembly and co-Chair of the National CTSA Consortium Steering Committee. He received a BS from Massachusetts Institute of Technology and his MD from Harvard University, subsequently completing residency and a pulmonary fellowship at the Brigham and Women's Hospital.



**Victoria Tift, MBA**

Founder and former Chief Executive Officer  
Clinical Research Management, Inc.

Ms. Tift has over 30 years of experience as a business owner, CEO and serial entrepreneur. She began her journey in the US Peace Corps in West Africa in the field of infectious disease control. She contracted malaria several times and witnessed the overwhelming effects from infectious diseases. She came back to the US with a commitment to finding treatments for malaria and other devastating diseases around the globe. That commitment led her to create her first company, Clinical Research Management, a contract research organization that provided FDA regulated medical research and development services to the US Department of Defense, National Institutes of Health, and commercial pharmaceutical companies in 1994. Through her vision and leadership, the company grew from three employees to over 450.

Ms. Tift served as the CEO of Clinical Research Management, from 1994 until 2018. She sold the firm to a publically traded competitor in 2016 and is currently involved in 4 additional firms that she owns or holds a vested interest in both in the US and in Africa. During her career she has been recognized for several awards including: Winner of the State of Ohio Small Business Person of the Year by the *US Small Business Administration*; Winner of the National Small Business Person of the Year by the *US Small Business Administration*; Named a Women of Note by *Crain's Cleveland Business*; Recipient of Cleveland Crain's Leading EDGE Award by *The Entrepreneurs EDGE*; Awarded Top Ten Women Business Owners of Northeast OH by the *National Association of Women Business Owners*; Ernst & Young Entrepreneur of the Year award for Northeast Ohio.



Ms. Tifft brings a wealth of practical experience to entrepreneurs, business owners and executives. She works closely with businesses and helps them with strategy development and implementation, P&L oversight, advice on how to navigate the government procurement process, and establishing measurable goals and key performance indicators. She currently serves on several public and private advisory boards and boards of directors and is an Entrepreneur in Residence for the Akron Bounce Innovation Hub. She is also a partner and manager of the \$20M Akron Fusion Venture Investment Fund. The Fund invests in promising companies in the Ohio region and beyond. She is deeply committed to the Northeast Ohio region and actively participates as a volunteer and philanthropist to help advance a number of causes.

Ms. Tifft obtained her Bachelor of Science in Biology from the University of Akron and holds an MBA from the Case Western Reserve University Weatherhead School of Management.



**John Yates III, PhD**

Ernest W. Hahn Professor, Chemical Physiology and Molecular and Cellular Neurobiology  
The Scripps Research Institute

John R. Yates is the Ernest W. Hahn Professor in the Departments of Molecular Medicine and Neurobiology at The Scripps Research Institute. His research interests include development of integrated methods for tandem mass spectrometry analysis of protein mixtures, bioinformatics using mass spectrometry data, and biological studies involving proteomics. He is the lead inventor of the SEQUEST software for correlating tandem mass spectrometry data to sequences in the database and developer of the shotgun proteomics technique for the analysis of protein mixtures. His laboratory has developed the use of proteomic techniques to analyze protein complexes, posttranslational modifications, organelles and quantitative analysis of protein expression for the discovery of new biology. Many proteomic approaches developed by Yates have become a national and international resource to many investigators in the scientific community. He has received the American Society for Mass Spectrometry research award, the Pehr Edman Award in Protein Chemistry, the American Society for Mass Spectrometry Biemann Medal, the HUPO Distinguished Achievement Award in Proteomics, Herbert Sober Award from the ASBMB, and the Christian Anfinsen Award from The Protein Society, the 2015 ACS's Analytical Chemistry award, 2015 The Ralph N. Adams Award in Bioanalytical Chemistry, the 2018 Thomson Medal from the International Mass Spectrometry Society, and the 2019 John B. Fenn Distinguished Contribution to Mass Spectrometry award from the ASMS. He was ranked by Citation Impact, Science Watch as one of the Top 100 Chemists for the decade, 2000-2010. He was #1 on a List of Most Influential in Analytical Chemistry compiled by *The Analytical Scientist* 10/30/2013 and is on the List Of Most Highly Influential Biomedical Researchers, 1996-2011, *European J. Clinical Investigation* 2013, 43, 1339-1365 and the Thomson Reuters 2015 List of Highly Cited Scientists. He has published over **950** scientific articles with **>125,000** citations, and an H index of **174 (Google Scholar)**. Dr. Yates served as an Associate Editor at *Analytical Chemistry* for 15 years and is currently the Editor in Chief at the *Journal of Proteome Research*