



# MD2K

Center of Excellence for  
**Mobile Sensor**  
Data-to-Knowledge

# CAREER DAY

OCTOBER 25, 2017

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FEDEX INSTITUTE OF TECHNOLOGY



# MD2K CAREER DAY

October 25, 2017  
- Program -

*Transitioning to the Real World: Career Narratives after a Ph.D. or an M.D.*

- 12:30 -12:40**    **Introduction** - Dr. Vivek Shetty, Assistant Vice-Chancellor for Research & Professor of Oral & Maxillofacial Surgery, UCLA
- 12:40 – 1:40**    **Careers in Academia**  
Clinician Academic - Dr. Ida Sim, Professor in Medicine, UC San Francisco  
Statistics - Dr. Susan Murphy, Professor of Statistics, Harvard University  
Computer Science - Dr. Jim Reh, Professor, Georgia Tech
- 1:40 – 2:40**    **Careers in Leadership, Management, and Administration**  
Corporate Leadership - Dr. Eric Fain, Past Group President of Abbott  
Funding Agency Leadership - Dr. Ed Ramos, Program Director, NIBIB, NIH  
Academic Leadership - Dr. M. David Rudd, President, University of Memphis
- 2:40 – 3:00**    **Discussion & Conclusion** – Dr. Vivek Shetty
- 3:00**            **Career Day Concludes**

#### **Moderator**

Dr. Vivek Shetty, Assistant Vice-Chancellor for Research & Professor of Oral & Maxillofacial Surgery, UCLA

#### **Center Director**

Dr. Santosh Kumar, Lillian and Morrie Moss Chair of Excellence Professor in the Department of Computer Science & MD2K Center Director, University of Memphis

#### **Panelists**

Dr. Ida Sim, Professor in Medicine, UC San Francisco  
Dr. Susan Murphy, Professor of Statistics, Harvard University  
Dr. Jim Reh, Professor & Deputy Director MD2K Center, Georgia Tech  
Dr. Eric Fain, Past Group President of Abbott  
Dr. Ed Ramos, Program Director, NIBIB, NIH  
Dr. M. David Rudd, President, University of Memphis

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Methodist Presentation Theater – 1st Floor  
FedEx Institute of Technology - Memphis, TN



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- Bio Sketches -



**Dr. Ida Sim** is a Professor of Medicine, Co-Director of Biomedical Informatics at the University of California, San Francisco's Clinical and Translational Sciences Institute. She is also co-founder of Open mHealth, a non-profit organization that is breaking down barriers to mobile health app and data integration through an open software architecture. Her research work is focused on knowledge-based technologies for evidence-based practice, especially in the ontological representation of clinical trials. She is a Fellow of the American College of Medical Informatics, and a member of the American Society for Clinical Investigation. She is also a practicing primary care physician.



**Dr. Susan Murphy** is the Professor of Statistics and Computer Science, and the Radcliffe Alumnae Professor at the Radcliffe Institute, Harvard University. She directs the Statistical Reinforcement Learning Lab at Harvard University. Her research concerns clinical trial design and the development of data analytic methods for informing multi-stage decision making in health. Murphy has developed a formal model of this decision-making process and an innovative design for clinical trials called Sequential Multiple Assignment Randomized Trial (SMART) that allow researchers to optimize adaptive interventions. In 2016, she was elected a member of the National Academy of Sciences, in 2014, she was elected a member of the National Academy of Medicine, and in 2013, she was selected as a MacArthur Fellow.



**Dr. Jim Rehg** is a Professor in the School of Interactive Computing at the Georgia Institute of Technology, where he is co-Director of the Computational Perception Lab (CPL) and Director of the Center for Behavioral Imaging. His research interests include computer vision, machine learning, pattern recognition, and robot perception. Dr. Rehg is the lead PI on an NSF Expedition to develop the science and technology of Behavioral Imaging, the measurement and analysis of social and communicative behavior using multi-modal sensing, with applications to developmental disorders such as autism. He also serves as the Deputy Director of the NIH Center of Excellence on Mobile Sensor Data-to-Knowledge (MD2K).



**Dr. Eric Fain** is the former Group President of St. Jude Medical in St. Paul, Minn, now currently Abbott. He was responsible for overseeing all research and development activities across the company, including clinical and regulatory affairs. He has also worked as President of the company's Implantable Electronic Systems Division and as President for the St. Jude Medical Cardiac Rhythm Management Division. He joined St. Jude Medical in 1997 when it acquired Ventitrex, Inc., where he had worked since 1987. Dr. Fain received his medical degree from Stanford University School of Medicine and a Sc.B. degree in applied math and biology from Brown University.

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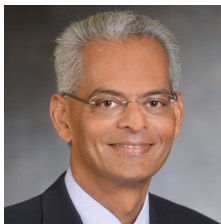
- Bio Sketches -



**Dr. Edward Ramos** is Program Director for the Division of Health Informatics Technologies (DHIT) at the National Institutes of Health (NIH). Dr. Ramos is involved in projects focused on understanding the role of genomics in population differences in disease distribution, identifying the societal implications of genomics, and analyzing the science policies relevant to these issues. Much of his work draws from the investigation of human genetic variation (from both a basic science and social science perspective) and its potential link to health and disease.



**Dr. M. David Rudd** is President of the University of Memphis, a position he has held since May of 2014. As a Distinguished University Professor of Psychology, he also continues funded research, along with his affiliation with the National Center for Veterans Studies at the University of Utah, as co-founder and scientific director. Before transitioning to his current position, he served as Provost for over a year in Memphis. Prior to moving to Memphis, he was dean of the College of Social & Behavioral Science at the University of Utah.



**Dr. Vivek Shetty** is a Professor of Oral & Maxillofacial Surgery at the University of California, Los Angeles, where he also serves as an Assistant Vice-Chancellor for Research. In addition to being a successful clinician-scientist, Dr. Shetty is deeply engaged in university governance and promoting impactful transdisciplinary scholarship within the University of California system. A past Chair of the UCLA Academic Senate, he currently serves as a member of UCLA's Committee on Tenure and Promotion. Due to his broad university experiences and insights, he mentors a broad range of faculty and graduate students about career pathways and transitions, navigating academia and balancing work-life demands. He also serves as the Director of the MD2Ks training core and is the Program Director of the NIH-funded annual mHealth Training Institute.



**Dr. Santosh Kumar** is the Lillian and Morrie Moss Chair of Excellence Professor in the Department of Computer Science at the University of Memphis and the Director of the NIH Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K), which is headquartered at the University of Memphis. His research seeks to define new frontiers in the newly-emerging discipline of mobile health (mHealth). His decade-long work has involved collecting mobile sensor data from over 100 human volunteers for 25,000+ hours in their natural environments as part of various scientific user studies. His collaborative research involves more than twenty faculty members from fifteen institutions, spanning a variety of disciplines, making his projects highly transdisciplinary.



*Advancing biomedical discovery and improving health through mobile sensor big data*

Cornell Tech ♦ Georgia Tech ♦ U. Memphis ♦ Northwestern ♦ Ohio State ♦ Open mHealth  
Rice ♦ UCLA ♦ UC San Diego ♦ UC San Francisco ♦ UMass Amherst ♦ U. Michigan ♦ WVU