

DIFFUSION OF MEDICAL TECHNOLOGY



# Workshop and Steering Committee Meeting Neuroscience Center Building, Room C May 5-6, 2016

# **SPEAKER BIOSKETCHES**

Revised 5-4-16



## Leila Agha, PhD, Boston University

Leila Agha is an assistant professor at Boston University and a faculty research fellow at the National Bureau of Economic Research. She received her PhD in economics from the Massachusetts Institute of Technology. Her research focuses on technology and innovation in health care, and understanding how the organization of health care impacts productivity. Recent research topics have included the impact of health

information technology adoption on costs and quality of care, the diffusion of new cancer drugs, and the over-use and misapplication of medical technology.



## Jay Bhattacharya, PhD, Stanford University

Jay Bhattacharya is a professor of medicine and a core faculty member at the Center for Health Policy and the Center for Primary Care and Outcomes Research at Stanford University. His research focuses on the constraints that vulnerable populations face in making decisions that affect their health status, as well as the effects of government policies and programs designed to benefit vulnerable populations. He has published empirical economics and health services research on the elderly, adolescents, HIV/AIDS,

and managed care. Most recently, he has researched the regulation of the viatical-settlements market (a secondary life-insurance market that often targets HIV patients) and summer/winter differences in nutritional outcomes for low-income American families. He is also working on a project examining the labor-market conditions that help determine why some U.S. employers do not provide health insurance.



## Arlene Bierman, MD, Agency for Healthcare Research and Quality

Arlene S. Bierman is director of AHRQ's <u>Center for Evidence and Practice</u> <u>Improvement</u> which consists of five divisions the Evidence-Based Practice Center Program; the U.S. Preventive Services Task Force Program; the Division of Decision Science and Patient Engagement; the Division of Health Information Technology and the Division of Practice Improvement and the National Center for Excellence in Primary Care Research. Dr. Bierman is a general internist, geriatrician and health

services researcher whose work has focused on improving access, quality and outcomes of health care for older adults with chronic illness in disadvantaged populations. Dr. Bierman has also developed strategies for using performance measurement as a tool for knowledge translation, as well as conducted research to increase policymakers' uptake of evidence. As tenured professor she held appointments Health Policy, Evaluation, and Management; Public Health; and Medicine; and Nursing at the University of Toronto, where she was the inaugural holder of the Ontario Women's Health Council Chair in Women's Health and a senior scientist in the Li Ka Shing Knowledge Institute at St. Michael's Hospital. She was also principal investigator for the Project for an Ontario Women's Health Evidence-Based Report Card (POWER) study, which provided actionable data to help policymakers and health care providers improve health and reduce health inequities in Ontario. Dr. Bierman has served on many advisory committees including the Geriatric Measurement Advisory Panel of the National Committee for Quality Assurance, the boards of Health Quality Ontario, and the National Center of Excellence National Initiative for Care of the Elderly (NICE). She received her MD degree from the University of North Carolina School of Medicine in Chapel Hill where she was a Morehead Fellow. She completed fellowships in Outcomes Research at Dartmouth Medical School, and Community and Preventive Medicine at the Mount Sinai School of Medicine and also served as an Atlantic Philanthropies Health and Aging Policy Fellow/American Political Science Foundation Congressional Fellow.



## David Chambers, DPhil, National Cancer Institute

David Chambers is Deputy Director for Implementation Science of the Division of Cancer Control and Population Sciences, National Cancer Institute, where he manages a team focusing on efforts to build and advance the field of implementation science through funding opportunity announcements, training mechanisms, dissemination platforms, and enhancement of partnerships and networks to integrate research, practice, and policy. Dr. Chambers publishes on strategic research directions in implementation science and serves as a plenary speaker at numerous scientific

conferences. He received his AB degree (with Honors) in economics from Brown University in 1997 and an MSc and DPhil degree in management studies (organisational behaviour) in 1998 and 2001, respectively, from Oxford University (UK).

## Joseph Chin, MD, MS, Centers for Medicare & Medicaid Services

Joseph Chin is the Deputy Director of the Coverage and Analysis Group (CAG) in the Center for Clinical Standards and Quality at the Centers for Medicare & Medicaid Services (CMS). He joined CMS in 1992 as a medical officer in the quality improvement component and transitioned to CAG in 1999, focusing on systematic evidence reviews, Medicare translational science and preventive services. Prior to joining CMS, Dr. Chin practiced full time in occupational and ambulatory medicine. He is board certified in preventive medicine, completed his MD, MS in epidemiology and residency at the University of Maryland School of Medicine, and maintains an active primary care practice in Maryland.



## Philip Goodney, MD, Dartmouth College Hitchcock Medical Center

Philip Goodney is a vascular surgeon at Dartmouth whose research focuses on studying and improving the patterns and outcomes of care provided to patients with cardiovascular disease. With funding from the National Institute on Aging (NIA), National Heart, Lung, and Blood Institute, U.S. Food and Drug Administration, Society for Vascular Surgery, and Department of Veterans Affairs, he has worked to examine the adoption, utilization, and effectiveness of newer treatments for vascular disease, as well as ways in which less effective treatments leave common practice. He is also a

leader in regional and national quality improvement initiatives in vascular surgery, and leads training programs for surgeons and other physicians in health services research. His online groups are available at <a href="http://www.dartmouthcesc.org/www.vaoutcomes.org/@DartmthSurgHSR">www.dartmouthcesc.org/www.vaoutcomes.org/@DartmthSurgHSR</a>



## John Haaga, PhD, National Institute on Aging

John Haaga has served since April 2015 as Acting Director for Behavioral and Social Research in the NIA. From 2004 to 2015 he was Deputy Director. He leads NIA's extramural program funding research in economics, demography, epidemiology, cognitive science and social neurosciences, behavioral genetics, and health services research related to aging. Dr. Haaga also serves as coordinator for the trans-NIH

Common Fund Program in Health Economics and as NIA representative for the program in Climate Change and Health. Before joining the NIA, he was Director of Domestic Programs of the NIH-funded Center for Public Information on Population Research, and of USAID-funded projects, at the Population Reference Bureau, a nonprofit research and education organization. From 1994 to 1997 he was staff director for the Committee on Population of the National Academy of Sciences. From 1991 to 1994 he directed extension research in family planning and maternal and child health at the International Centre for Diarrhoeal Disease Research, Bangladesh. During the 1980s, Dr. Haaga was a policy analyst in RAND and a research associate for the Cornell University International Nutrition program. He has served as President of the Association of Population Centers and Secretary-Treasurer and elected member of the Board of Directors of the Population Association of America. His PhD in public policy was awarded by the RAND Graduate School.



#### Haiden A. Huskamp, PhD, Harvard Medical School

Haiden A. Huskamp is professor of health care policy in the Department of Health Care Policy at Harvard Medical School. Dr. Huskamp has three primary areas of research: mental health and substance use disorder policy, prescription drug policy, and the rilization of and of life care services

financing and utilization of end-of-life care services.



#### Bruce Jacobs, MD, University of Pittsburgh

Bruce Jacobs is an assistant professor in the Department of Urology and a core faculty member of the Center for Research on Health Care. He completed his fellowship training in health services research, urologic oncology, and laparoscopy/endourology at the University of Michigan. His research interests focus on improving the access, delivery, and quality of urologic cancer care. He has a particular interest in the adoption of new

technologies and its implications for clinical outcomes and health policy.



### Pinar Karaca-Mandic, PhD, University of Minnesota

Pinar Karaca-Mandic is an associate professor at the University of Minnesota's School of Public Health, Division of Health Policy and Management. She is also a Research Associate at the National Bureau of Economic Research's Health Economics and Healthcare programs. She serves as an Associate Editor of Forum for Health Economics and Policy. Her research focuses on health insurance benefit design, health care regulations, insurance markets, pharmaceutical use, and medical technology diffusion.

Her research has been published in leading economics, policy and medical journals. Her research has been funded by the National Institute on Aging, the National Institute of Child Health and Human Development, the Agency for Healthcare Research and Quality, The U.S. Department of Health and Human Services, Health Resources and Services Administration, and the Robert Wood Johnson Foundation. She is the recipient of a KO1 career grant from the National Institutes of Health through which she has been studying physician medical technology adoption. Dr. Karaca-Mandic received her Ph.D. in economics from the University of California-Berkeley in 2004, and her B.A, in economics and mathematics from Swarthmore College.



## David Knutson, MS, Agency for Healthcare Research and Quality

David Knutson is the Director of the Center for Delivery, Organization, and Markets in the Agency for Healthcare Research and Quality. He leads the Center's efforts to improve the quality and efficiency of health care by providing evidence to decision makers on organization, payment, delivery, and markets. The Center's research portfolio covers four areas: organizational behavior, delivery systems, markets, and external factors.



## Ellen Meara, PhD, Dartmouth College

Ellen Meara is an associate professor of The Dartmouth Institute for Health Policy and Clinical Practice, an adjunct associate professor in economics, and an National Bureau of Economic Research faculty research fellow. Dr. Meara's areas of expertise include nonmedical determinants of health care utilization, health, and economic outcomes; the impact of health and income support policies on individuals with mental illness and substance use disorders; and health and labor market outcomes related to federal

disability programs.



## Sharon-Lise Normand, PhD, Harvard Medical School

Sharon-Lise Normand is professor of health care policy (Biostatistics) in the Department of Health Care Policy at Harvard Medical School and professor in the Department of Biostatistics at Harvard T.H. Chan School of Public Health. Dr. Normand earned her PhD in biostatistics from the University of Toronto, holds an MS as well as a BS degree in statistics, and completed a postdoctoral fellowship in

Health Care Policy at Harvard Medical School. Her research focuses on the development of statistical methods for health services and outcomes research, primarily using Bayesian approaches. She was the 2010 President of the Eastern North American Region of the International Biometrics Society and the inaugural vice chair of the Patient-Centered Outcomes Research Institute's Methodology Committee (2010-2012). She is a fellow of the American Statistical Association, American College of Cardiology, and American Heart Association, and an associate of the Society of Thoracic Surgeons. In 2011, Dr. Normand was awarded the American Statistical Association Health Policy Statistics Section's Long Term Excellence Award; in 2012, the American Heart Association's Distinguished Scientist Award; in 2013 elected to the Society for Research Synthesis Methodology; and in 2015 awarded the L. Adrienne Cupple Award for Excellence in Teaching, Research, and Service in Biostatistics from Boston University.



## A. James O'Malley, PhD, Dartmouth College

A. James O'Malley is professor of biostatistics in the Department of Biomedical Data Science and the Dartmouth Institute of Health Policy and Clinical Practice in the Geisel School of Medicine at Dartmouth. He received his PhD in statistics from the University of Canterbury, New Zealand, in 1999, and later that year was awarded the L.J. Cote award for excellence in applied statistics from Purdue University. His methodological interests encompass Bayesian statistics, statistical inference for social networks,

multivariate hierarchical models, and comparative effectiveness research including causal inference for both randomized and observational studies. His subject-matter research interests include the relationship between health and social networks, evaluation/estimation of variations in health quality and outcomes, vascular surgery, and evaluation of medical devices. He was chair of the Health Policy Statistics Section of the America Statistical Association (ASA) in 2008, co-chair of the 2011 International Conference on Health Policy Statistics, and is an associate editor for *Statistics in Medicine* and previously for *Health Services and Outcomes Research Methodology*. In 2011 he received the Mid-career Excellence award from the Health Policy Section of the ASA and in 2012 was elected to be a fellow of the ASA.



## Benjamin Roin, PhD, Massachusetts Institute of Technology

Benjamin Roin is an assistant professor of technological innovation, entrepreneurship, and strategic management at the MIT Sloan School of Management. He is also an associate member of the Broad Institute. Dr. Roin's work focuses on entrepreneurship, intellectual property, and innovation policy. His primary areas of research are patent law, biopharmaceutical innovation, and government regulation of the pharmaceutical industry. He has written about the market-exclusivity protections available for old and repurposed drugs, the implications of the finite patent term and limited patent-term

extensions for drug-development strategy, public and private insurer reimbursement policies, and Hatch-Waxman litigation. In 2013, Dr. Roin received the Kauffman/iHEA Award for Health Care Entrepreneurship and Innovation Research (along with Eric Budish and Heidi Williams). In addition to his academic research, he currently works with the Institute of Medicine, National Health Council, and the Multi-Regional Clinical Trial Center on issues related to patent law, U.S. Food and Drug Administration law, clinical-trial regulations, and pharmaceutical innovation policy.



## Jonathan Skinner, PhD, Dartmouth College

Jonathan Skinner is the James O. Freedman Presidential Professor in Economics at Dartmouth College and a professor at the Geisel School of Medicine's Institute for Health Policy and Clinical Practice. His research interests include the economics of government transfer programs, technology growth and disparities in health care, and the savings

behavior of aging baby boomers. Dr. Skinner received his MA and PhD in economics from the University of California, Los Angeles and a BA in political science and economics from the University of Rochester.



## Robert J. Town, PhD, University of Pennsylvania

Robert J. Town is the Gilbert and Shelley Harrison Professor of Health Care Management at the Wharton School at the University of Pennsylvania. His research focuses upon health economics, industrial organization, and applied econometrics. His work primarily focuses on intersection of government policy and provider and insurer competition in the health care marketplace. Dr. Town has studied the role of network formation in

hospital competition, the role of competition in determining hospital quality, the policy impact of the Medicare HMOs, the measurement of hospital quality, health care market dynamics, impact of behavioral responses on consumer and insurer behavior, and the appropriate competition policy in health care and health insurance markets. He has advised several state and federal antitrust authorities on competition issues spanning a diverse set of industries. He is also research associate at the National Bureau of Economic Research in Cambridge, Massachusetts. Prior to joining the faculty at the University of Pennsylvania, he was the James A. Hamilton Professor at the University of Minnesota, an assistant professor in the Graduate School of Management at the University of California, Irvine and a staff economist in the Antitrust Division at the U.S. Department of Justice. He received his PhD in economics from the University of Wisconsin-Madison. Dr. Town is also the co-founder of Picwell, Inc., which provides online health insurance consumer decision support.



## Heidi Williams, PhD, Massachusetts Institute of Technology

Heidi Williams is the Class of 1957 Career Development Assistant Professor in the MIT Department of Economics and a faculty research fellow at the National Bureau of Economic Research. Her research agenda focuses on investigating the causes and

consequences of technological change in health care markets. Dr. Williams received her AB in mathematics from Dartmouth College in 2003, her MSc in development economics from Oxford University in 2004, and her PhD in economics from Harvard in 2010.