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DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES AND EDUCATION

Board on Behavioral, Cognitive, and Sensory Sciences

Workshop 2: "Understanding Ontologies in Context" Presenter Biographical Sketches

Susan Michie is Professor of Health Psychology and Director of the Centre for Behavior Change at University College London (www.ucl.ac.uk/behaviour-change). She is co-Director of NIHR's Behavioral Science Policy Research Unit, leads UCL's membership of NIHR's School of Public Health Research and is an NIHR Senior Investigator. Her research focuses on behavior change in relation to health and the environment: how to understand it theoretically and apply theory to intervention development, evaluation and implementation. Her research, collaborating with disciplines such as information science, environmental science, computer science and medicine, covers population, organizational and individual level interventions. Examples include the Human Behavior-Change Project www.humanbehaviourchange.org) and Complex Systems for Sustainability and Health www.ucl.ac.uk/bartlett/environmental-design/research/research-projects/cussh. She is an investigator on three Covid-19 research projects. She serves as an expert advisor on the UK's Scientific Pandemic Influenza Group on Behavioral Science (Covid-19) and is a consultant advisor to the World Health Organization on Covid-19 and behavior. She is also expert advisor to Public Health England and the UK Department of Health and Social Care, is Chair of the UK Food Standard Agency's Social Sciences Advisory Committee and chaired the Academy of Social Science's 'Health of People' project.

Robert West is Professor of Health Psychology and Director of Tobacco Studies at the Cancer Research UK Health Behavior Research Centre, University College London, UK. He is also co-director of the National Centre for Smoking Cessation and Training and is Editor-in-Chief of the journal Addiction. He is co-author of the English National Smoking Cessation Guidelines that provided the blueprint for the UK-wide network of stop-smoking services that are now an established part of the UK National Health Service. His research includes evaluations of methods of helping smokers to stop and population surveys of smoking and smoking cessation patterns.

Sandro Galea is a physician, epidemiologist, and author, is dean and Robert A. Knox Professor at Boston University School of Public Health. He previously held academic and leadership positions at Columbia University, the University of Michigan, and the New York Academy of Medicine. He has published extensively in the peer-reviewed literature, and is a regular contributor to a range of public media, about the social causes of health, mental health, and the consequences of trauma. He has been listed as one of the most widely cited scholars in the social sciences. He is past chair of the board of the Association of Schools and Programs of Public Health and past president of the Society for Epidemiologic Research and of the Interdisciplinary Association for Population Health Science. He is an elected member of the National Academy of Medicine. He has received several lifetime achievement awards. He holds a medical degree from the University of Toronto, graduate degrees from Harvard University and Columbia University, and an honorary doctorate from the University of Glasgow.

Howard Koh is Professor of the Practice of Public Health Leadership at the Harvard T.H. Chan School of Public Health. He has previously served as the 14th Assistant Secretary for Health for the US Department of Health and Human Services (2009-2014) after being nominated by President Barack Obama, and as Commissioner of Public Health for the Commonwealth of Massachusetts (1997-2003) after being appointed by Governor William Weld. He is a co-investigator on the CHOICES project. This project is focused on understanding and modeling the cost-effectiveness of interventions that can improve children's nutrition and physical activity and reduce the prevalence of obesity, which includes modeling work, evidence reviews, and simulation modeling of the cost-effectiveness of a wide variety of interventions, from restaurant calorie menu labeling to sugar sweetened beverage excise taxes. Results from this work should begin to provide researchers and policymakers with both methods and data to use in deciding on the "best value for money" in interventions to reduce obesity prevalence in children and adults in the United States. He contributes to development of the tools, products and strategies to engage public state health officials in learning about cost-effectiveness analysis, the CHOICES framework and model and use of cost-effectiveness analysis for decision making. A graduate of Yale College and the Yale University School of Medicine, he trained at Boston City Hospital and Massachusetts General Hospital, held major academic positions at Boston University and Harvard University, published more than 250 articles in the medical and public health literature, and has received over 70 awards for accomplishments in public health, as well as six honorary degrees.

Kathryn Phillips is Professor of Health Economics and Health Services Research in the Department of Clinical Pharmacy at UCSF. A leader in the application of new technologies to improve healthcare, she is the Founding Director of the UCSF Center for Translational and Policy Research on Personalized Medicine (TRANSPERS). She is a core faculty member in the UCSF Philip R. Lee Institute for Health Policy Studies and UCSF Helen Diller Family Comprehensive Cancer Center, and is affiliated with the Institute for Human Genetics, Department of Epidemiology and Biostatistics, Baker Computational Health Sciences Institute, and Global Health Sciences. She focuses on the value of new technologies and how to most effectively and efficiently implement them into health care. Her core specialty is personalized (or precision) medicine — a new era of healthcare where medical interventions can be tailored to individual patients based on their unique genetic make-up. Her work spans multiple disciplines, including basic, clinical and social sciences, and brings together leading experts in academia, industry, healthcare, payers, and government. Her pioneering research on the application of health services research to personalized medicine has revealed insights on how to bridge the gap between emerging technologies and their use in the clinic. She led one of the earliest studies on the societal implications of pharmacogenomics, underscoring its potential to reduce the incidence of adverse drug reactions (JAMA, 2001). She has also conducted seminal work on HIV, as her analysis of HIV home testing informed the FDA's decision to approve the first home collection HIV test (New England Journal of Medicine, 1995). She has published over 150 peer-reviewed articles in major journals including JAMA, New England Journal of Medicine, Science, and Health Affairs. She has had continuous funding from NIH as a Principal Investigator for over 25 years and was recently awarded a 5-year, $6M NIH grant to examine payer coverage and economic value for emerging genomic technologies (cell-free DNA tests and tests based on polygenic risk scores). She serves on the editorial boards for Health Affairs, Value in Health, JAMA Internal Medicine, Genetics in Medicine; is a member of the National Academy of Medicine Roundtable on Genomics and Precision Health; and has served on the governing Board of Directors for GenomeCanada and as an advisor to the FDA, CDC, and the President's Council of Advisors on Science and Technology. She has also served as an advisor to many diagnostics, sequencing,

and pharmaceutical companies. She is Chair of the Global Economics and Evaluation of Clinical Sequencing Working Group, and a member of an evidence review committee for the Institute for Clinical and Economic Review (ICER).

Richard Moser is the Training Director and Research Methods Coordinator in the Behavioral Research Program's Office of the Associate Director, which is housed within the Division of Cancer Control and Population Sciences at the National Cancer Institute (NCI). He directs the fellowship training program for the Division and provides analytic support for BRP research projects, including research design, data access, and statistical methodology. He serves as the Senior Methodologist for the Health Information National Trends Survey (HINTS), and he directs the Grid-Enabled Measures (GEM) project, which is a web-based portal that uses technologically mediated social participation to promote the use of standardized health research measures and data sharing. His research interests include statistical methodology, survey methods, data harmonization practices, health cognitions, and end-of-life issues. Before joining NCI, he conducted alcoholism research at the Palo Alto, California, Veterans Affairs Hospital. He also taught statistics at several Bay Area psychology graduate programs and consulted for a leading statistical software company. He is an author or co-author on more than 65 peer-reviewed journal articles and several book chapters spanning a range of topics including survey methodology, analytic procedures, health behaviors, and innovative uses of data.

Lyubov Remmenik is an oncologist with expertise in ontology development, cancer surveillance, epidemiology, public health and informatics support of clinical and population-based studies. At CBIIT, she leads and coordinates the Enterprise Vocabulary Services (EVS) for content development, editing, and production, including terminology services collaborations with the Clinical Trials Reporting Program (CTRP), Genomic Data Commons (GDC), external health agencies, and data standard organizations. He previously worked at the NIH Clinical Center Biomedical Translational Research Information System (BTRIS) providing leadership in building semantic infrastructure, ontology development, and data standards implementation for the only NIH information system integrating longitudinal data across NIH institutions from more than 10,000 clinical studies, and serving multiple disparate information systems across diverse knowledge domains and data types. He earned her medical degree and doctorate in cancer immunology and virology in Russia. Her doctoral research was focused on the molecular epidemiology of antigens relative to the structural proteins of mouse mammary tumor virus (MMTV) in the human population. He was a founding leader of the Russian national cancer surveillance system (aggregating cancer and healthcare data in a population of 145 million) and managed a portfolio of research projects with an emphasis on cancer incidence, mortality, screening, diagnosis, treatment and outcomes, adverse event reporting, clinical data collection and analysis, and public health. She served as a co-investigator for the World Health Organization large-scale prospective study on the assessment of the efficacy of breast self-examination in reducing breast cancer mortality and as a principal investigator for several WHO and International Agency for Research on Cancer (IARC) projects aimed at evaluating the consequences of the Chernobyl accident and nuclear missiles testing.