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EPOR Fall 2024 Speaker List

Class date	Speaker	Subject
24-Sep	Siri Greeley	Registries and Rare Disease Clinical Research: If You Build it, They Will Come...
1-Oct	David Meltzer	Resources of the Institute for Translational Medicine
8-Oct	Martha van Haitsma	Designing Surveys
15-Oct	Elaine Worcester	Testing a Hypothesis
22-Oct	Steve White	Grantsmanship and Writing Your K Awards
29-Oct	Megan Huisingsh-Scheetz	Fundamentals of Outcomes Research
5-Nov	Eric Polley	Designing Clinical Research
12-Nov	Emily Anderson	Ethical Considerations in Planning Clinical Research
19-Nov	Rajesh Jain	Use of Secondary and Public Data Sources to Conduct Research
3-Dec	Julie Johnson	Using the Electronic Medical Record and the Center for Research Informatics

**No class November 26 due to Thanksgiving holiday*



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Siri Atma Greeley, MD, PhD

Siri Atma W. Greeley is an Associate Professor of Pediatrics and Medicine in the Section of Adult and Pediatric Endocrinology, Diabetes, and Metabolism at University of Chicago, where he is also Associate Director for Pediatric Diabetes for the Kovler Diabetes Center. He has been studying diabetes since the age of 14 years, when his father was diagnosed with autoimmune type 1 diabetes. Dr. Greeley completed his undergraduate education at Columbia University in New York before earning his MD – as well as a PhD in the immunology of type 1 diabetes – from the University of Pennsylvania School of Medicine. He then moved to Chicago, where he completed his Pediatrics Residency and Pediatric Endocrinology Fellowship at the University of Chicago and Comer Children’s Hospital, where he currently has an active clinical practice in which he sees patients with all forms of diabetes or other endocrine problems.

Dr. Greeley is an internationally recognized expert on monogenic forms of diabetes, with a particular focus on congenital forms of diabetes diagnosed at a very young age. Along with Drs. Louis Philipson, MD, PhD, Graeme Bell, PhD and Rochelle Naylor, MD, Dr. Greeley conceived of and developed the web-based US Monogenic Diabetes Registry (<http://monogenicdiabetes.uchicago.edu>) that now includes over 4000 individuals with known or suspected monogenic forms of diabetes. Thanks to the active ongoing interest of the Registry participants, Dr. Greeley’s patient-oriented and outcomes based clinical studies have led to over 50 original research publications that include several key contributions to the overall understanding of monogenic forms of diabetes.

David Meltzer, MD, PhD

David Meltzer is Chief of the Section of Hospital Medicine, Director of the Center for Health and the Social Sciences, and Chair of the Committee on Clinical and Translational Science at the University of Chicago, where he is Professor in the Department of Medicine, and affiliated faculty at the University of Chicago Harris School of Public Policy and the Department of Economics. Meltzer’s research explores problems in health economics and public policy with a focus on the theoretical foundations of medical cost-effectiveness analysis and the cost and quality of hospital care. Meltzer has performed randomized trials comparing the use of doctors who specialize in inpatient care (“hospitalists”). He is currently leading a Centers for Medicaid and Medicare Innovation Challenge award to study the effects of improved continuity in the doctor patient relationship between the inpatient and outpatient setting on the costs and outcomes of care for frequently hospitalized Medicare patients. He led the formation of the Chicago Learning Effectiveness Advancement Research Network (Chicago LEARN) that helped pioneer collaboration of Chicago-Area academic medical centers in hospital-based comparative effectiveness research and the recent support of the Chicago Area Patient Centered Outcomes Research Network (CAPriCORN) by the Patient Centered Outcomes Research Institute (PCORI).

Martha van Haitsma, PhD

Martha has co-directed or directed the University of Chicago Survey Lab since its inception, and is currently the President of the Association of Academic Survey Research Organizations (AASRO). Martha earned her PhD in sociology from the University of Chicago and her MA from the University of Texas at



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Austin. She has been teaching graduate-level survey and interview research methods courses at the University of Chicago since 1999.

Elaine Worcester, MD

Director of the Essentials of Patient Oriented Research (EPOR) course sponsored by the Institute for Translational Medicine. The course is offered as three 10-week segments (Fall, Winter and Spring) covering topics relevant to clinical research including elements of study design, ethical aspects of translational medicine and the responsible conduct of research, and basics of statistics for human research. Lectures are given by many members of the Biological Science Division; many of them noted translational researchers.

Her research group investigates mechanisms of kidney stone formation, including studies of human physiology, surgical mapping and biopsy of stone patients, and detailed histology of renal papillary tissue from stone formers of differing phenotypes to find the pathways that lead to stone growth in the kidneys, and potential targets for prevention and treatment. These studies involve collaboration between investigators from both clinical and basic science backgrounds, which will be the paradigm for most clinical researchers in future.

Steve White, MD

Steve White is Vice Chair for Appointments and Promotions in the Department of Medicine and is a Professor of Medicine. His research interests involve asthma and COPD; he runs a cell biology laboratory that examines airway epithelial cell function and repair after injury, has in the past a number of R01 and program grants in asthma, and currently is PI on a major networked asthma clinical trial for NHLBI. He also works with the COPD Readmissions Program for the hospital.

Megan Huisingsh-Scheetz, MD, MPH

Megan Huisingsh-Scheetz is an Assistant Professor in the Section of Geriatrics and Palliative Medicine at the University of Chicago. As a clinician investigator and NIA K23 recipient, her research has focused on understanding how objectively measured activity and sedentary behavior patterns, resting metabolic rate, and body composition relate to frailty progression and frailty-related outcomes. Through her work, she analyzes accelerometry data to assess and trend activity patterns as markers of frailty. In partnership with NORC and Orbita, Inc, Dr. Huisingsh-Scheetz also developed and is studying the impact of EngAGE, a technology-based tool utilizing a voice assistant to deliver exercise programming to older adults in their home to reduce frailty. The program leverages caregivers to provide social motivation to the older adult to simultaneously combat loneliness. She also helped establish and now co-directs the Successful Aging and Frailty Evaluation™ (SAFE) clinic in which she assesses and manages frail older adults in consultation.

Eric Polley, PhD

Eric Polley is an Associate Professor in the Department of Public Health Sciences at The University of Chicago where he is the faculty director for the Data Science in Public Health concentration in the Master



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of Public Health program. Dr. Polley was previously an Assistant Professor of Biostatistics in the Department of Quantitative Health Sciences at Mayo Clinic. Dr. Polley received his PhD in biostatistics from the University of California, Berkeley in 2010. With Mark van der Laan, they developed the Super Learner ensemble prediction methodology. Prior to joining Mayo, Dr. Polley was a mathematical statistician in the Biometric Research Branch at the U.S. National Cancer Institute. His research area involves the development and evaluation of prediction methods, Innovative methods for diagnostic and prognostic prediction, and precision medicine clinical trial design.

Emily Anderson, PhD, MPH

Emily E. Anderson is an associate professor. She teaches research ethics and responsible conduct of research to graduate and medical students as well as courses in empirical bioethics and global bioethics. Her areas of interest and expertise include researcher and physician professionalism and misconduct; ethical issues in research with vulnerable populations; informed consent; institutional review board (IRB) policy; and the application of qualitative research techniques to the study of research ethics. Dr. Anderson has published articles in the American Journal of Bioethics, Ethics and Behavior, Journal of Law Medicine and Ethics, Academic Medicine, Accountability in Research, and the Journal of Empirical Research on Human Research Ethics (JERHRE). She serves as associate editor for Narrative Inquiry in Bioethics. She also has almost 20 years of experience serving on six different IRBs and frequently presents at conferences including the American Society for Bioethics and Humanities (ASBH) and Public Responsibility in Medicine and Research (PRIM&R). Dr. Anderson has also been a co-investigator on several federally-funded research and educational projects.

Dr. Anderson is the Principal Investigator/Project Director of the Loyola University Chicago-Ukrainian Catholic University (LUC-UCU) Doctoral and Post- Doctoral Bioethics Fellowship Program. This program provides advanced training in research ethics in English to scholars and professionals from Ukraine. The aim of this program is to train a critical mass of bioethics experts who will hold positions of scholarship and leadership in health research institutions in Ukraine. These individuals will be instrumental in providing direction on matters of research ethics to their educational institutions, government agencies, and international organizations. This program is a partnership between the Neiswanger Institute and UCU's School of Bioethics.

Rajesh K. Jain, MD

Dr. Jain specializes in endocrinology and focuses on metabolic bone diseases and is the adult endocrinology fellowship program director. His clinical focus is on osteoporosis and calcium disorders. He conducts research in a variety of areas within osteoporosis and metabolic bone disease, including the effects of physical activity and body fat on bone, diabetes-related fracture risk, and differences in fracture risk factors in racial and ethnic minorities. Many of the studies he publishes use electronic health data and publicly available data. He is also an investigator for clinical trials in hypoparathyroidism.

Julie Johnson, PhD, MPH, RN



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Julie has more than 15 years of clinical and healthcare experience as a nurse, analyst, teaching assistant, research assistant, and clinical program coordinator. As part of the CRDW team, she works directly with stakeholders to translate their research questions into optimized requests for the technical team. In addition, she is a guest speaker for the Office of Clinical Research's monthly research series and an instructor for the Fundamentals of Clinical Research course and SPORT program. Julie is a 1999 graduate of Georgetown University's School of Nursing and Health Studies, a 2003 graduate of The University of Illinois at Chicago's (UIC) School of Public Health, and received her PhD in 2018 from UIC's College of Nursing.