
**THE GEORGE
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WASHINGTON, DC



THE DC CTSA CONSORTIUM PRESENTS THE FIFTH ANNUAL Spring Regulatory Update on Hot Topics in Clinical and Translational Research

Date Thursday, April 28, 2022
Thursday, May 5, 2022

Time 12:00pm – 4:00pm EDT

Summary

This annual meeting brings researchers, administrators, and clinical professionals from throughout the local CTSA region together for collaborative discussion and response to regulatory revisions and identified clinical research priorities within the current landscape of clinical trials.

This conference will focus on:

Day 1 – Lasting Impacts of the COVID-19 Pandemic
[DC CTSA Consortium Day One | GHUCCTS \(georgetownhowardctsa.org\)](#)

Day 2 – Artificial Intelligence in Research and Healthcare
[DC CTSA Consortium Day Two | GHUCCTS \(georgetownhowardctsa.org\)](#)

[Webinar Registration - Zoom](#)

DAY 1 – LASTING IMPACTS OF THE COVID-19 PANDEMIC

12:00pm – 12:05pm

Introduction

Sheila Garrity, JD, MPH, MBA. Associate Vice President for Research Integrity. Office of the Vice Provost for Research, The George Washington University

- Introduction to the conference, the Clinical and Translational Science Institute, and planning team
- Administrative explanation of the virtual tool and logistics of the conference, timeline, etc.

12:05pm – 12:15pm

Conference Welcome

Pamela M. Norris, PhD. Vice Provost for Research. Office of the Vice Provost for Research, The George Washington University

12:15pm – 1:15pm

Keynote Address – Transcriptome profiling of human blood as a platform for diagnostic biomarker development: Measure broadly, listen carefully.

Session Description. The human genome project ignited DNA-based research into heritable biomarkers of disease. However, RNA-based diagnostics and therapeutics are only now being fully realized. In this keynote, Dr. McCaffrey we'll explore a true 'Bench to Bedside' adventure from sequencing of the RNA transcriptome to identify clinically relevant biomarkers of cardiovascular and infectious diseases.

- Timothy McCaffrey, PhD – Professor of Medicine, Professor of Microbiology, Immunology, and Tropical Medicine. The George Washington University School of Medicine & Health Sciences

Moderator: Hiromi Sanders, JD, PhD. Director, Research Integrity & Compliance, The George Washington University

1:20pm – 2:35pm

Panel 1: Long-term COVID-19 Impacts on the Body

Session Description. As COVID-19 infects people all over the country and world, the long-term effects on the body and the mind become clearer. This panel of local experts will present on the findings from their observational studies.

- Hassan Ashktorab, PhD – Professor, Department of Pathology & Human Genetics. Director of Microarray Facility. Howard University
- Hassan Brim, MS, PhD – Associate Professor of Pathology, College of Medicine. Director of Research. Howard University
- Sabyasachi Sen, MD, PhD, FRCP – Professor, Department of Medicine. Professor of Biochemistry & Molecular Medicine, The George Washington University School of Medicine and Health Science. Associate Chief Endocrinology, Veterans Affairs Medical Center

Moderator: Jane Otado, PhD. Interim Director, Regulatory, Ethics, Knowledge & Support (REKS). Georgetown-Howard Universities for Clinical & Translational Science (GHUCCTS) College of Medicine, Family Medicine & Community Health. Howard University

2:40pm – 3:55pm

Panel 2: Vaccines Mandates, Distribution, and the Structure of Herd Immunity

Session Description. The US COVID-19 vaccination landscape has shaped the population health impacts of SARS-CoV-2, structured the potential for local elimination alongside natural immunity and behavioral containment, and will drive the transition out of the pandemic to endemic circulation of SARS-CoV-2. However, the tracking of vaccination progress at a fine geographical scale and through time has not been a US public health priority. Here we discuss the tracking of COVID-19 vaccination progress in the United States, characterize the spatio-temporal heterogeneity in these patterns, and discuss the epidemiological consequences of this distribution.

- Shweta Bansal, PhD – Provost's Distinguished Associate Professor, Department of Biology, Georgetown University
- Daniel P. Sulmasy, MD, PhD, MACP – Andre Hellegers Professor of Biomedical Ethics. Director, Kennedy Institute of Ethics

Moderator: Nabeel Qureshi, MBBS, MPH. Deputy Conflict of Interest Officer and Senior Research Compliance Officer, Georgetown University

3:55pm – 4:00pm

Day 1 Close. Sheila Garrity

DAY 2 – ARTIFICIAL INTELLIGENCE IN RESEARCH AND HEALTHCARE

12:00pm – 12:05pm

Introduction

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12:05pm – 12:15pm

Conference Welcome

Thomas Mellman, MD – Professor of Psychiatry. Director, Stress/Sleep Studies Program at Howard University. Principal Investigator for the Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS), Howard University

12:15pm – 1:15pm

Keynote Address – AI Across Borders: The Need for a Cosmopolitan Ethic.

Session Description. As AI and data systems become more multinational enterprises, cultural ethico-legal issues, problems - and solutions - relevant to safety, and biosecurity become increasingly important. Dr. Giordano will address these emerging trends, and propose possible paths toward ethically sound global engagement.

- Dr. James Giordano, PhD, MPhil – Professor of Neurology and Biochemistry. Chief of Neuroethics Studies Program at the Pelligrino Center for Clinical Bioethics. Director, REKS Ethics Subcomponent (GHUCCTS), Georgetown University

Moderator: Assya Pascalev, PhD. Associate Professor of Philosophy, Co-Director, REKS Ethics Subcomponent (GHUCCTS), Howard University. Executive Director, Bulgarian Center for Bioethics

1:20pm – 2:35pm

Panel 1: AI Across Borders: Staying Between the Ethical Lines in Biomedical and Translational Research.

Session Description. The panelists will discuss the influence and use of artificial intelligence in the health-tech industry, incorporating risk assessment frameworks on the front end of biotechnology development and ultimately how artificial models of moral reasoning can be trained and augmented in both experimental and clinical contexts.

- William Casebeer, PhD – Riverside Research Director of Artificial Intelligence and Machine Learning (AI/ML), Open Innovation Center (OIC)
- Diane DiEulis, PhD – Senior Research Fellow, National Defense University
- Ophir Frieder, MS, PhD – Professor, Department of Computer Science. Professor, Department of Biostatistics, Bioinformatics & Biomathematics. Georgetown University Medical Center

Moderator: Sarah Vittone, Dbe, MA, MSN, RN. Doctor of Bioethics. Assistant Professor, School of Nursing and Health Studies. Georgetown University.

2:40pm – 3:55pm

Panel 2: IRB in Technology Industry

Session Description. The panelists will discuss the basics of machine learning, how it introduces ethical risks, and potential ways to minimize these ethical risks and will present a deeper dive into specific case studies including the Axon ethics panel, Google, and Microsoft and whether or not ethics committees work at scale.

- Reid Blackman, PhD – CEO/Founder of Virtue
- Tracy Kosa, PhD – Privacy Researcher, Stanford University. Adjunct Professor, Seattle University Faculty of Law

Moderator: Rebecca Eberle, MSHS, CIP. Director, Office of Human Research. The George Washington University.

3:55pm – 4:00pm

Day 2, Close. Sheila Garrity