



The University of Virginia is pleased to announce the  
**17<sup>th</sup> Annual Virginia IRB Consortium Conference:**  
**"Ethical AI in Human Subject Research: Balancing Progress and Protections"**  
(Chat GPT-generated title!)  
**Date: Friday, November 3, 2023**  
**Time: 9:00 am-3:00 pm**  
**Via Zoom**

Register in advance for this meeting:

<https://virginia.zoom.us/meeting/register/tJlqcOmpqTguEt3i2LzC5hEcoBw9vE8Dddk8>

After registering, you will receive a confirmation email containing information about joining the meeting.

Continuing Education provided by the University of Virginia School of Medicine and School of Nursing.

**Part of the Research Ethics Series**

**Course Description:** *This series will address research rigor, integrity, and the responsible conduct of research.*

**Target Audience:** Physicians, Nurses, and other healthcare professionals

**Desired Outcomes:**

Through participation in this educational series, participants should be able to:

1. Describe how to conduct research responsibly
2. Explain how to protect human participants in research

**Agenda:**

**8:30 Zoom log-on opens**

**8:55-9:00 Welcome**

Jean Eby, ScD, MS, MEd

**9:00-10:00 Generative AI for Research: The Future is Automated**

Anton Korinek, PhD

**10:00-11:00 Panel: IRB Review of Research Involving AI**

Natalie Klein, PhD, CIP

Stephen Rosenfeld, MD, MBA

Lois Shepherd, JD

**11:00-11:15 Break**

**11:15-12:15 Cutting-Edge Issues in Accreditation**

Robert Hood, PhD

**12:15-12:45 Lunch Break**

**12:45-1:45 Panel: Q&A with IRB Chairs**

Lindsey Harvell-Bowman, PhD

Charles J. Schlepner, MD, MSc, FACP, FIDSA, FSHEA

Tancy Vandecar-Burdin, PhD

**1:45-2:00 Break**

**2:00-3:00 Research in the Age of AI**

Philip Bourne, PhD, FACMI

Renée Cummings, MA, MS

## Speakers

### *Philip Bourne*

Philip E. Bourne, PhD, FACMI is the Stephenson Founding Dean of the School of Data Science, Professor of Data Science and Biomedical Engineering at the University of Virginia, USA. Prior to that he was the Associate Director for Data Science (ADDS; aka Chief Data Scientist) for the US National Institutes of Health (NIH). Prior to joining NIH, Dr. Bourne was Associate Vice Chancellor for Innovation and Industry Alliances in the Office of Research Affairs and a Professor in the School of Pharmacy and Pharmaceutical Sciences at the University of California San Diego (UCSD). He has published over 350 papers and 5 books garnering over 80,000 citations and co-founded 4 companies.

### *Renée Cummings*

Professor Renée Cummings, a 2023 VentureBeat AI Innovator Award winner, is an artificial intelligence (AI), data and tech ethicist, and the first Data Activist-in-Residence, at the University of Virginia's (UVA), School of Data Science, where she was named Professor of Practice in Data Science. She's also a distinguished member of the World Economic Forum Data Equity Council and the World Economic Forum AI Governance Alliance, AI & Equality Initiative at Carnegie Council for Ethics in International Affairs and a member of the Global Academic Network, at the Center for AI and Digital Policy (CAIDP), Washington, DC. Listed, in 2020, among the "100 Most Brilliant Women in AI Ethics," among World Summit AI's Top 50 AI Innovators and among Inspired Minds AI Brains Hall of Fame, Professor Cummings is also a criminologist, criminal psychologist, therapeutic jurisprudence specialist, and a community scholar at Columbia University.

### *Lindsey Harvell-Bowman*

Lindsey A. Harvell-Bowman is an interdisciplinary researcher at James Madison University as Associate Professor in the School of Communication Studies and adjunct faculty in the Ferkauf Graduate School of Psychology at Yeshiva University. A member of the Osage Nation, a Native American tribe of the American Great Plains (Oklahoma), she received her PhD in Social Influence from the University of Oklahoma in 2012, where she focused on existential concern as a persuasion tool in campaign message design. Dr. Harvell-Bowman's research currently centers around the psychological experiences of suicidality and death anxiety, as well as mortality salience effects in advocacy messages. Dr. Harvell-Bowman is a member of the International Society for the Science of Existential Psychology (ISSEP) Board of Directors, and has served as Treasurer on the ISSEP Executive Committee, as well as a member of the Task Force for Pedagogical Advancement and the Grants & Awards Committee. Dr. Harvell-Bowman also serves on the Board of Trustees with the Ernest Becker Foundation (EBF) and has been featured on several of their webinars. Her research also served as a framework for the EBF's publication, "Death Anxiety & Social Change: A communications Guide for Advocates." She has a co-edited book entitled, *Denying Death: An Interdisciplinary Approach to Terror Management Theory* (2016), as well as a sole-authored book entitled, *The Psychology and Communication Behind Flight Anxiety: Afraid to Fly* (2021). She's worked on several grant-funded interdisciplinary research teams involving communication, psychology, and health research. Dr. Harvell-Bowman has nearly a decade of experience in formal ethical review of research, having served as a member and Vice-Chair of the Institutional Review Board. Currently, she serves as the Chair of the IRB at James Madison University. Alongside her esteemed board members and colleagues, Dr. Harvell-Bowman revised and passed several policies to streamline Scholarship of Teaching and Learning (SoTL) research proposals and produced helpful guides for faculty at her institution to ensure that SoTL research continues to be produced and valued within institutions.

### *Robert Hood*

Robert Hood is Director of Accreditation and Global Outreach at the Association for Accreditation of Human Research Protection Programs, Inc (AAHRPP). In this role, Dr. Hood engages with stakeholders to ensure AAHRPP Accreditation Standards are consistent with evolving research ethics guidelines, laws, and professional practice standards. Dr. Hood has a background in applied ethics and has worked in academia, government, and not-for-profit organizations.

### *Natalie Klein*

Natalie Klein is the Director of the Division of Policy and Assurances for the U.S. Department of Health and Human Services (HHS), Office for Human Research Protections (OHRP), which provides leadership in the protection of the rights, welfare, and wellbeing of subjects involved in research conducted or supported by HHS. She joined OHRP in 2021 from the US Army Medical Research and Development Command (USAMRDC), where she served as a liaison to intramural research institutes for human research protections policy and helped provide regulatory oversight for USAMRDC-supported research conducted at over 1600 institutions in 67 countries. She received the Department of the Army Superior Civilian Service Award in 2019, in part for her contributions to assessing the ethical, legal, and social implications of emerging technologies. She holds a doctorate in Brain and Cognitive Sciences.

### *Anton Korinek*

Anton is a Professor at the University of Virginia, Department of Economics and Darden School of Business as well as a Nonresident Fellow at the Brookings Institution, a Research Associate at the NBER, a Research Fellow at the CEPR and the Economics of AI Lead at the Centre for the Governance of AI. He received his PhD from Columbia University in 2007 after several years of work experience in the IT and financial sectors. He has also worked at Johns Hopkins and at the University of Maryland and has been a visiting scholar at Harvard University, the World Bank, the IMF, the BIS and numerous central banks. His research analyzes how to prepare for a world of transformative AI systems. He investigates the implications of advanced AI for economic growth, labor markets, inequality, and the future of our society. In his past research, he investigated the mechanics of financial crises and developed policy measures to prevent future crises, including an influential framework for capital flow regulation in emerging economies.

### *Stephen Rosenfeld*

Stephen Rosenfeld is a Hematologist whose career has taken him from the practice of medicine and research, to informatics, to research ethics and IRB review. His relevant experiences including servings as the Chief Information Officer of the NIH Clinical Center, CEO of Western IRB, Executive Board Chair of Quorum Review, and, most recently, Executive Director of North Star Review Board, a unique nonprofit independent IRB. He is the immediate past chair of the Secretary's Advisory Committee on Human Research Protections (SACHRP), and was the primary author on that body's "IRB Considerations on the Use of Artificial Intelligence in Human Subjects Research."

### *Charles Schlepner*

After gaining a foundation at the University of Pittsburgh Graduate School of Public Health and at the University of Maryland School of Medicine, my clinical and research background was broadened at the University of Utah in medicine and viral immunology as a NIH-sponsored fellow. I recognized the ongoing interplay of patient care, public health, quality of health care and gaining new scientific knowledge. My career has been in academic medicine involved with undergraduate and graduate medical education over the last 45 years. My commitment to gaining new knowledge both personally and by assisting others has been evidenced through scholarly work and by IRB involvement in various capacities throughout most of my career. I have now served as the IRB Chair for the last 11 years at Carilion Clinic, hopefully fostering expansion of quality scholarly work by students, residents and faculty.

### *Lois Shepherd*

Lois Shepherd is the Wallenborn Professor of Biomedical Ethics at the Center for Health Humanities and Ethics and a Professor of Law and Public Health Sciences at the University of Virginia. She has particular expertise in the ethics, regulation, and law of human subjects research, with extensive teaching and scholarship in the field, and is a member of the Secretary's Advisory Committee on Human Research Protections (SACHRP).

### *Tancy Vandecar-Burdin*

Dr. Vandecar-Burdin is the Director of Old Dominion University's Social Science Research Center and has been with the SSRC since its inception in 1998. She also currently serves as the University Institutional Review Board (IRB) chair for the review of human subjects research. Dr. Vandecar-Burdin has over 25 years of experience with various forms of research methods and data collection including mail surveys, telephone surveys, household interviews, and focus groups. Dr. Vandecar-Burdin works with faculty, area businesses, and health and human service providers to determine their research and data collection needs, develop survey instruments, and inform evaluations of programs. Her research interests include: program evaluation, public opinion research methodology, criminology, victimology, and issues related to aging.

## **Accreditation & Designation Statements**



In support of improving patient care, the University of Virginia School of Medicine and School of Nursing is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

The University of Virginia School of Medicine and School of Nursing designates this live activity for a maximum of **5.0 AMA PRA Category 1 Credits**.™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The University of Virginia School of Medicine and School of Nursing awards **5.0 contact hours** for nurses who participate in this educational activity and complete the post activity evaluation.

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The University of Virginia School of Medicine and School of Nursing maintains a record of participation for six (6) years.

### **Disclosures:**

The following speakers and planning committee have no personal or professional financial relationships with a commercial entity producing healthcare goods and/or services:

Speakers: Philip Bourne, PhD, FACMI; Lauren Renée Cummings, MA, MS; Lindsey Harvell-Bowman, PhD; Robert Hood, PhD; Natalie Klein, PhD, CIP; Anton Korinek, PhD; Stephen Rosenfeld, MD, MBA; Charles J. Schlepner, MD, MSc, FACP, FIDSA, FSHEA; Lois Shepherd, JD; Tancy Vandecar-Burdin, PhD

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### **Disclosure of faculty financial affiliations**

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All individuals involved in the development and delivery of content for an accredited CE/IPCE activity are expected to disclose relevant financial relationships with ineligible companies occurring within the past 24 months (such as grants or research support, employee, consultant, stock holder, member of speakers bureau, etc.). The University of Virginia School of Medicine and School of Nursing employ appropriate mechanisms to resolve potential conflicts of interest and ensure the educational design reflects content validity, scientific rigor and balance for participants. Questions about specific strategies can be directed to the University of Virginia School of Medicine and School of Nursing of the University of Virginia, Charlottesville, Virginia.

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