Welcome Address

As vice president for research and innovation and professor of mechanical engineering at the University of Nevada, Reno, Dr. Mridul Gautam leads the articulation and implementation of a shared vision for research and guides the administrative division focused on developing world-class research and discovery, the careers and competitiveness of faculty, and the institution’s capacity as an R1 comprehensive/doctoral university with very high research activity, as classified by the Carnegie Classification of Institutions of Higher Education. Under his leadership, Research & Innovation provides high quality services and infrastructure to enable faculty, students and staff to excel in their research, scholarly and creative endeavors and to advance innovation and commercialization. The division helps build interdisciplinary collaborations and maintain a safe, healthy, and ethical environment in which to conduct research.

Dr. Gautam is a Fellow of the National Academy of Public Administration and is chair of the Board of Directors and Executive Committee of the Coalition of EPSCoR/IDeA States. He serves on additional boards and committees including the Association of Public and Land-Grant Universities’ Commission on Economic and Community Engagement and Board of Directors of the Desert Research Institute Research Park. He is a University Counselor for Oak Ridge Associated Universities and a member of the National Academies’ Government-University-Industry Research Roundtable. Dr. Gautam is an internationally recognized researcher and expert in the area of heavy-duty mobile source exhaust emissions, aerosol sampling, and particulate matter measurement, characterization, and control. He received his doctorate in mechanical engineering from WVU in 1989 and his master’s in mechanical engineering from the Indian Institute of Technology, Delhi in 1984. Prior to joining the University of Nevada, Reno in 2013, he served as associate vice president for research at West Virginia University (WVU).
Speaker Information

**KEYNOTE: Building A Trust Infrastructure for Research with Pervasive Digital Devices**

Katie Shilton is an associate professor in the College of Information Studies at the University of Maryland, College Park. Her research explores ethics and policy for the design of information technologies. She is the PI of the PERVADE project, a multi-campus collaboration focused on big data research ethics. Other projects include developing privacy-sensitive search for email collections; analyzing ethical cultures in computer security research; and building tools to facilitate ethics discussions in mobile application development. Her work has been supported by a Google Faculty Award and multiple awards from the U.S. National Science Foundation. Katie received a B.A. from Oberlin College, a Master of Library and Information Science from UCLA, and a Ph.D. in Information Studies from UCLA.

**Plenary 1: Trust Building and Creating Trustworthiness through Community Engagement: Bridging Researchers and Underserved Communities**

Dr. Sergio Aguilar-Gaxiola is a professor of clinical internal medicine, School of Medicine, University of California (UC), Davis. He is the founding director of the Center for Reducing Health Disparities at the UC Davis Health System, the director of the Community Engagement Program of the UC Davis Clinical and Translational Science Center, the co-director of the UC Davis Latino Aging Research and Resource Center, and co-chair of NIH’s Community Engagement Key Function Committee for the NIH-funded Clinical and Translational Science Awards. In 2007, he completed a 4-year term as a member of the National Advisory Mental Health Council of the National Institute of Mental Health. He was the chairman of the Board of Directors of Mental Health America for a 2-year term (2008-2010). He is currently a board member of the Steering Committee and Research Scientist member of the National Hispanic Science Network, a member of the Scientific Advisory Committee of Autism Speaks, a member of the International Advisory Committee of the Carlos Slim Health Institute, a member and treasurer of the Board of the Latino Physicians of California, first vice president of National Alliance on Mental Illness (NAMI) California, and a member of the California Medical Board’s Cultural and Linguistic Competency Program Workgroup. He has held several World Health Organization (WHO) and Pan American Health Organization advisory board and consulting
Speaker Information

positions and is currently a member of the Executive Committee of the WHO World Mental Health Surveys Consortium and its coordinator for Latin America and the Caribbean.

Dr. Aguilar-Gaxiola’s research includes cross-national comparative epidemiologic research on patterns and correlates of mental disorders and substance abuse in general population samples. His applied research program has focused on identifying unmet mental health needs and associated risk and protective factors to better understand and meet population mental health needs and reduce mental health disparities primarily in underserved populations. He is also very active translating mental health and substance abuse research knowledge into practical information that is of public health value to consumers and their families, service administrators, and policy makers. Dr. Aguilar-Gaxiola is the author of more than 120 scientific publications. He is the recipient of multiple awards including the Vanderbilt University Distinguished Alumnus Award, the Medal of Congress (“Medalla de la Cámara de Diputados”) of Chile for work related to mental health research, the U.S. Department of Health and Human Services Office of Minority Health’s 2005 National Minority Health Community Leader Award (Hispanic Community), the 2009 National Award of Excellence in Blending Research and Practice from the National Hispanic Science Network, and the 2012-2013 UC Davis Chancellor’s Achievement Award for Diversity and Community in the Academic Senate category. Dr. Aguilar-Gaxiola was a member of the U.S. Institute of Medicine/National Research Council (IOM/NRC) Committee on Depression, Parenting Practices, and the Health Development of Young Children (2007-2009) report and the IOM/NRC Women’s Health Research: Progress, Pitfalls, and Promise (2010) report.

Plenary 2: Promoting Inclusion and Building Trust—Opportunities under the Common Rule

Yvonne Lau, MBBS, MBHL, PhD is the Director of the Division of Education and Development (DED) at the U.S. Department of Health and Human Services (HHS) Office for Human Research Protections (OHRP). Dr. Lau received her medical degree from the University of Hong Kong, and is a Fellow of the Royal College of Surgeons of Edinburgh (FRCSEd) in the United Kingdom. She obtained her Master in Bioethics and Health Law (MBHL) and her PhD in Bioethics from the University of Otago in New Zealand.

Yvonne Lau, MBBS, MBHL, PhD

Director of the Division of Education and Development

U.S. Department of Health and Human Services Office for Human Research Protection
Speaker Information

Breakout Session 1 A: Participatory Research in the Age of Digital Health

Dr. Katherine Kim is a health informatics researcher and program developer specializing in digital health and community engagement. Dr. Kim is Principal, Consumer Health Informatics at MITRE, a non-profit research and development organization. She is also an Adjunct Associate Professor at the University of California Davis in the School of Medicine, Public Health Sciences Department. Dr. Kim leads ACTIVATE, a comprehensive model for equitable and sustainable digital health for underserved and rural communities. The ACTIVATE program provides community health centers with technology and assistance to develop virtual care, remote patient monitoring, and digital health literacy that engages patients and improves health outcomes. She serves as the Clinical Lead for MITRE’s Age Better LabTM, a connector and collaborator with academia, government, and industry for aging research and digital health solutions.

Dr. Kim has received numerous awards for community-engaged and participatory research related to mobile applications for cancer care coordination, precision health, and citizen science with Native American communities.

Dr. Kim has over 20 years of previous experience as a hospital and medical group manager, an entrepreneur – CEO of a venture-funded startup, leader of a technology incubator, and founder of a consulting firm – and in software product development with Oracle. She received a PhD at UC Davis, MPH/MBA at UC Berkeley, and BA at Harvard.

Katherine Kim, PhD, MPH, MBA, FAMIA
Principle, Consumer Informatics at MITRE
Adjunct Associate Professor
University of California Davis
Breakout Session 2A: Privacy and Confidentiality in the Age of Mobile Apps and Connected Devices

Rob is a clinical research professional with over 2 decades of experience in research operations and human subjects protections. After spending 15 years building and managing a central research office for a large multi-hospital community health system, he went on to work as IRB member and Chair for a large independent IRB where he also specializes in medical device research reviews. He speaks widely on topics ranging from contract and budget negotiation to the protection of vulnerable subjects. He has a BSHS in Clinical Research Administration and has certifications as CCRC, CIP and CRCP.

Rob Romanchuk, BSHS, CIP, CCRC, CRCP
Clinical Research professional

Breakout Session 3A: Deploying Virtual Reality to Decrease Chronic Pain and Suffering within the Veteran Population

Ms. Rumzie is a registered nurse who currently works as the Virtual Reality (VR) clinical leader at the VA Sierra Nevada HCS. This multi-disciplinary modality to improve pain, stress, and improve mood has been implemented in the Community Living Center, the Mental Health Unit (MHU), and the Medical Surgical Units within the Reno VA. She has led an innovation ecosystem spread of VR to 6 VA facilities and recently completed a research study to explore the feasibility of using VR in the outpatient setting. Following up on this feasibility study she was award an innovation grant to further study the use of VR for Women Veterans with Post Traumatic Stress Disorder (PTSD). Her work with VR in the MHU was considered a national VA best practice and is featured on the VA Diffusion of Excellence Marketplace which is now accessible to community partners to help spread innovative practices beyond the VA. Her work also includes the use of this technology to reduce burnout among clinical staff.

Ms. Rumzie recently received the GX2 Disruptor Award which is a Federal IT award to honor innovative practices within the federal government. She was named the Northern Nevada Nurse of Distinction Nurse Innovator of the Year Award in 2021, has received a commendation from the US Senate for her service to Veterans, and recently was selected as one of the top graduates of University

Megan Rumzie, MSN, MBA, RN, CNL, HNB-BC
Virtual Reality Clinical Leader
VA Sierra Nevada HCS
of Nevada, Reno with her picture featured on the “Wolf Walk Way”. She has a Masters in Nursing as well as a Masters in Business Administration. She is a certified Clinical Nurse Leader and a certified Holistic Nurse. This Spring she will complete her Doctorate of Nursing Practice in the Spring of 2022 and is committed to challenge the status quo by embracing innovative practices to improve the lives of Veterans. In her free time, she enjoys hiking, skiing, and boating with her family, reading, and traveling (anywhere).

Breakout Session 3A: Deploying Virtual Reality to Decrease Chronic Pain and Suffering within the Veteran Population

Carla Figura, PharmD, is a graduate of the University of Florida College of Pharmacy where she earned her PharmD degree in May 2018. She completed her residency training at VA Tennessee Valley Healthcare System in Nashville/Murfreesboro, TN, where she completed a PGY2 residency in Pain Management and Palliative Care in June 2020. Dr. Figura now serves as the Clinical Pharmacy Specialist in Pain Management at the VA Sierra Nevada Health Care System in Reno, NV.

Breakout Session 2A: Border and Refugee Populations: IRB Considerations and Risks for These Vulnerable Populations

With over 20 years of experience in higher administration, Mariette has a developed skill set that focuses on research ethics, flexible application of regulatory requirements, and organizational improvement. She is the Assistant Vice President, Regulatory Affairs & Safety, at the University of Arizona and has oversight of the Human Subjects Protection Program (IRB), Institutional Animal Care & Use Program (IACUC), HIPAA Privacy Program, Quality Program, Embryonic Stem Cell Research Oversight (ESCRO) Committee, Radiation Laboratory Safety Services and Occupational Health. She has a broad range of experience in both health care and social/behavioral research activities, mostly at academic medical centers and land-grant institutions. Mariette serves as a reviewer for accreditation of other institutions human research protection programs through AAAHRPP, has consulted for historically black (HBCU) and
**Speaker Information**

Hispanic serving institutions on process improvements and regulatory applicability, and is certified in HIPAA Privacy Protections, IRB regulations, and hospital research compliance.

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**Nicole Walters**

**Associate Director**

*University of California, Davis*

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**Breakout Session 2B: Operationalizing Gender-Neutral Language in Research Consent Documents**

Nicole Walters is the Associate Director for UC Davis IRB Administration. She holds a bachelor’s degree in Biological Sciences from University of the Pacific and is certified as both an IRB professional and project manager. Nicole started her research career at the UC Davis MIND Institute where she worked with children and their families participating in autism research. Through her experience with research participants she became interested in the ethical conduct of research and transitioned into research administration. She has more than a decade of IRB Administration experience and her current focus is process improvement, education, and training.

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**Breakout Session 3B: Teenage Mothers Pregnancy Risk Research: Navigating Ethical and Regulatory Requirements to Protect Sensitive Information**

Dr. Wei Yang is the Associate Dean and Foundation Professor of Epidemiology and Biostatistics at the School of Public Health, University of Nevada, Reno. He also serves as the Executive Director of the Nevada Center for Surveys, Evaluation, and Statistics (CSES). His research focuses on population-based surveillance on health status and behaviors, environmental epidemiology, and applied statistical methodology for clinical and translational research. Prior to joining the University of Nevada, Reno in 2007, he served as a physician and a clinical epidemiologist in occupational medicine, the Nevada State Chief Biostatistician, and the Director of the Center for Health Data and Research at the Nevada State Department of Health and Human Services.

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**Wei Yang, PhD, MD**

**Associate Dean**

Foundation Professor of Epidemiology and Biostatistics

*University of Nevada, Reno*