



BCAR NETWORKING AND SCIENTIFIC RETREAT

FEBRUARY 1, 2023

THE UNIVERSITY CLUB
UNIVERSITY OF PITTSBURGH
123 UNIVERSITY PLACE,
PITTSBURGH, PA, 15213





The mission of Bridging Connections in Addiction Research (BCAR) is to promote addiction research by providing networking and collaborative opportunities among faculty and trainees at the University of Pittsburgh. BCAR advances collaboration through regular meetings, where attendees present current research and have opportunities for structured and unstructured networking. Our vision is to develop and nurture a multidisciplinary addiction research community at the University of Pittsburgh where we can explore collaborative opportunities in research, funding, and trainee development.

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AGENDA—UNIVERSITY CLUB BALLROOM B

10:30am – 11:00am	Registration
11:00am – 11:15am	Opening Remarks <ul style="list-style-type: none">- Jane Liebschutz, MD, MPH, FACP
11:15am – 12:15pm	Keynote Address <ul style="list-style-type: none">- Jeffrey Samet, MD, MA, MPH
12:15pm – 1:15pm	Networking Lunch <ul style="list-style-type: none">- Sponsored by UPMC Health Plan
1:15pm – 2:00pm	Poster Session <ul style="list-style-type: none">- Ballroom B and Gold Room (2nd Floor)
2:00pm – 2:10pm	Break
2:10pm – 2:40pm	Bridging Research Centers <ul style="list-style-type: none">- Colleen McClung, PhD—Center for Adolescent Reward, Rhythms and Sleep (CARRS)- Janice Pringle, PhD—Program Evaluation and Research Unit (PERU)- Cara Nikolajski, PhD, MPH—UPMC Center for High Value Health Care
2:40pm – 3:10pm	BCAR Pilot Studies <ul style="list-style-type: none">- Shirley Hill, PhD- Sean Farris, PhD- Jason Colditz, PhD, MEd
3:10pm – 3:20pm	Discussion <ul style="list-style-type: none">- Mark Geraci, MD
3:20pm – 3:45pm	Flash Talks <ul style="list-style-type: none">- BaDoi Phan, BS- Payel Roy, MD, MSc- Sierra Stringfield, PhD- Jessica Frankeberger, MPH- Ruby Holland, BA
3:45pm – 3:55pm	Discussion <ul style="list-style-type: none">- James Schuster, MD, MBA
3:55pm – 4:10pm	Closing Remarks <ul style="list-style-type: none">- Daniel Rosen, PhD, MSW
4:10pm – 4:30pm	Networking
	Adjourn to The Oaklander for Happy Hour <ul style="list-style-type: none">- 5130 Bigelow Blvd, Pittsburgh, PA, 15213



JEFFREY SAMET, MD, MA, MPH

BRIDGING CONNECTIONS IN ADDICTION RESEARCH,
UNIVERSITY OF PITTSBURGH
KEYNOTE SPEAKER

Dr. Jeffrey Samet is the John Noble, MD Professor in General Internal Medicine and Professor of Public Health at Boston University and a practicing primary care and addiction medicine physician at Boston Medical Center. He served as the Chief of our General Internal Medicine Section for 20 years. As a primary care and addiction medicine physician at Boston Medical Center for the last 30 years, he has extensive experience treating substance use disorders in general healthcare settings.

His research focuses on alcohol and drug use disorder and HIV infection in medical settings. He has conducted clinical research both locally and internationally on linking patients who use drugs to appropriate medical care. He serves as the Principal Investigator (PI) of R01 and P01 studies funded by the National Institute of Health with a focus on clinical substance use and HIV infection. He is the PI of Massachusetts HEALing Communities Study - a large scale NIDA funded, Helping to End Addiction Longterm (HEAL) initiative which aims to develop a tailored community-based approach to reduce opioid related deaths.

His international HIV activities have occurred predominantly in Russia but also in India, Uganda, Ukraine, and Vietnam. He currently leads the NIAAA Alcohol-HIV Center, International URBAN ARCH, which seeks to reduce the consequences of alcohol on people living with HIV. He serves as Co-Editor in Chief of the journal *Addiction Science & Clinical Practice* and has co-authored over 350 peer-reviewed publications. He has mentored medical students, residents, fellows, and faculty in patient-oriented research including NIH K awardees (11 as primary and 4 as secondary mentor) and 5 NIDA international INVEST Fellows.

He is strongly committed to substance use education and is PI of two NIDA R25 grants to advance physician addiction education and research: the Clinical Addiction Research and Education Program, which is in its 22nd year of continuous funding and the Research in Addiction Medicine Scholars (RAMS) program, which is in its 11th year of continuous funding.



MARK GERACI, MD

Mark W. Geraci, MD, is Associate Vice Chancellor for Interdisciplinary Research, Health Sciences, the Vice Dean for Research for the UPSOM and the Interim Chair of the Department of Medicine. He seeks to advance research efforts across all six health sciences schools by implementing novel approaches and programs and enhancing the research infrastructure necessary to support the University's expanding biomedical research activities.

Dr. Geraci works to build collaborations and to stimulate interdisciplinary research with the ultimate goals of promoting health and healing, curing disease, and enhancing lives. Dr. Geraci's research interests center on early lung carcinogenesis and chemoprevention and the use of lung cancer animal models. Recently, he has a major role in the ACTIV 4 clinical trails for COVID.



JAMES SCHUSTER, MD, MBA

James Schuster, MD, MBA is the Chief Medical Officer for the UPMC Insurance Services Division where he has served in leadership roles for nearly 2 decades. In addition, Dr. Schuster oversees the UPMC Center for High Value Healthcare which has a decade long record of multiple research awards and publications and is a member of the Board of Governors of the Patient Centered Outcomes Research Institute.

Dr. Schuster received a BA with a major in history at Washington University in St. Louis, completed his medical education at the University of Louisville, his residency in psychiatry and MBA at the University of Pittsburgh and is a Clinical Professor in the University of Pittsburgh Department of Psychiatry. He also has board certification in general, addictions, and geriatric psychiatry.

POSTER PRESENTERS

Renee Cloutier, PhD

COORDINATING PENNSYLVANIA'S COMMUNITIES TO REDUCE OPIOID OVERDOSE DEATHS

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Shirley Hill, PhD

EPIGENETIC CHANGES IN THE DOPAMINERGIC RECEPTOR DRD2 ASSOCIATED WITH FAMILIAL RISK FOR ALCOHOL USE DISORDER

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Rachel Rice, BS

CROSS-GENERATIONAL EPIGENETIC EFFECTS OF PRE-CONCEPTION ALCOHOL USE ON GENE EXPRESSION ASSOCIATED WITH CANCER SUSCEPTIBILITY

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Emily Dauria, PhD, MPH & Sheridan Sweet, BS, BA

EHEALTH ENHANCED PEER NAVIGATION FOR SUBSTANCE USE TREATMENT AND HIV-PREVENTION SERVICES FOR YOUNG ADULTS SURVEILLED BY THE CRIMINAL LEGAL SYSTEM: A PILOT RANDOMIZED TRIAL STUDY PROTOCOL

Behavioral and Community Health Sciences

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Judith Feinberg, MD

PRELIMINARY RESULTS OF MIXED METHODS ASSESSMENT OF FENTANYL TEST STRIP USE BY PEOPLE WHO INJECT DRUGS IN RURAL COMMUNITIES

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Ruby Holland, BA

CHRONIC OPIOID USE PROMOTES THE WITHDRAWAL STATE THROUGH KAPPA OPIOID RECEPTOR-DEPENDENT INHIBITION OF GENETICALLY DIVERSE VENTRAL TEGMENTAL AREA NEURONS

Neurobiology

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Brooke Bender, BS

DOPAMINE AND CALCIUM-INDICATED ACTIVITY IN THE DORSAL STRIATUM DURING THE TRANSITION TO DLS DOPAMINE-DEPENDENT COCAINE-SEEKING AND PAVLOVIAN CUE EXTINCTION

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Whitney Menarcheck, MS & Ellie Gordon, BA

REDUCE RETURN TO USE: PERSONALIZED AI FOR INDIVIDUALS IN RECOVERY

BehAlvior

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Courtney Kuza, PhD, MPH

RISK PREDICTION FOR OVERDOSE PREVENTION

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Eric Hulsey, DrPh, MA

HIGH-THRESHOLD BUPRENORPHINE TREATMENT PRESCRIBING IN MICHIGAN

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Kenneth A. Perkins, PhD

PROCEDURES FOR CONDUCTING A CROSSOVER EVALUATION OF ADDICTION TREATMENT EFFICACY (CREATE) STUDY OF NOVEL DRUGS TO TREAT SUBSTANCE ABUSE

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Debra Moore, PhD

IMPACT OF ORGANIZATIONAL HEALTH, MORALE, AND COVID ON PA OPIOID TREATMENT CENTERS OF EXCELLENCE (COE)

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Sara Morrison, PhD

DIVERGENT RELATIONSHIPS BETWEEN EXCITATORY AND INHIBITORY RESPONSES IN THE NUCLEUS ACCUMBENS AND SIGN TRACKING/GOAL TRACKING BEHAVIOR

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Venkatesh Krishnamurthy, MD

HYPERAROUSAL AND HYPERSOMNOLENCE IN OPIOID USE DISORDER ON BUPRENORPHINE COMPARED TO INSOMNIA DISORDER WITH AND WITHOUT COMORBID PSYCHIATRIC CONDITIONS

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Brant Hasler, PhD, DBSM

PRE-PANDEMIC CIRCADIAN PHASE PREDICTS PANDEMIC ALCOHOL USE AMONG ADOLESCENTS

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Sandford Zeng & Elin McLaughlin

PROPENSITY FOR RISKY CHOICES DESPITE LOWER CUE-REACTIVITY IN ADOLESCENT RATS

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Raagini Jawa, MD, MPH, FASAM

INTEGRATING BUPRENORPHINE AND HARM REDUCTION INTO U.S. PRIMARY CARE: A COST-EFFECTIVENESS MODELLING STUDY

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Lauren DePoy, PhD

PRENATAL CIRCADIAN RHYTHM DISRUPTION INDUCES SEX-SPECIFIC SUBSTANCE USE-RELATED PHENOTYPES IN MICE

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Laura DeCastro, MD, MHSc

PERCEPTION OF CANNABIS USE (MEDICAL MARIJUANA AND/OR NON PRESCRIBED MARIJUANA) IN ADULTS WITH SICKLE CELL DISEASE

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BaDoi Phan, BS

GENETIC RISK VARIANTS FOR ADDICTION TRAITS COINCIDE AT BRAIN CELL TYPE OPEN CHROMATIN

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POSTER PRESENTERS

Christina Schulz, PhD

THE ASSOCIATION BETWEEN IMPULSIVITY, ALCOHOL CONSUMPTION, AND SEXUAL RISK-TAKING THROUGH POSITIVE SEX-RELATED ALCOHOL EXPECTANCIES AMONG BISEXUAL WOMEN

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Abigail Hellman, PhD

CHEMOGENETIC ACTIVATION OF KAPPA OPIOID RECEPTOR-EXPRESSING NEURONS IN THE ROSTRAL VENTROMEDIAL MEDULLA INHIBITS HYPERALGESIA IN A MOUSE MODEL OF ACUTE AND CHRONIC POSTSURGICAL PAIN

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Payel Roy, MD, MSc

CHANGES IN BUPRENORPHINE PRESCRIBING AFTER THE APRIL 2021 X-WAIVER EXEMPTIONS

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Tyia Wilson, PhD

INTERPERSONAL INFLUENCES ON ALCOHOL USE PATTERNS OF BLACK ADOLESCENTS: A SOCIAL NETWORK ANALYSIS

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Yanmei Qi, PhD

CONTRIBUTION OF DORSAL HORN MOR-EXPRESSING INTERNEURONS TO NEUROPATHIC PAIN

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Jason Colditz, PhD, MEd

IDENTIFYING AND CHARACTERIZING SUBSTANCE USE RECOVERY COMMUNITIES ONLINE

Medicine

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Meilin Jia-Richards, PhD

FACETS OF TRAIT IMPULSIVITY AND RELATIONSHIPS TO EXTERNALIZING BEHAVIOR TRAJECTORIES FROM CHILDHOOD TO ADOLESCENCE

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Paramita Basu, PhD

SEX DIFFERENCES IN THE CONTRIBUTION OF MITOGEN-ACTIVATED PROTEIN KINASE AND EXTRACELLULAR SIGNAL-REGULATED KINASE TO ACUTE AND LATENT POSTSURGICAL PAIN SENSITIZATION

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Collin Lehmann, BS

REWARD PREDICTION ERROR SIGNALING IN VTA DOPAMINE NEURONS FOLLOWING OPIOID EXPOSURE

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Katherine Guyonn-Harris, PhD

PREPARING TO PARENT IN RECOVERY: INTEREST IN PRENATAL PARENTING INTERVENTIONS AMONG WOMEN WITH OPIOID USE DISORDER

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POSTER PRESENTERS

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BCAR PILOT STUDIES FUNDED BY THE PITTSBURGH FOUNDATION

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IDENTIFICATION OF NOVEL TREATMENTS FOR ALCOHOL USE DISORDER WITH COMORBID CHRONIC PAIN

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CROSS-GENERATIONAL EPIGENETIC EFFECTS OF PRE-CONCEPTION ALCOHOL USE ON GENE EXPRESSION ASSOCIATED WITH CANCER SUSCEPTIBILITY

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A DESCRIPTION OF THE HUMAN CENTERED DESIGN (HCD) PROCESS ON CREATING A PILOT FOR AN INTERDISCIPLINARY CANNABIS PROJECT

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FLASH TALKS

BaDoi Phan, BS, MD-PhD Student

CELL TYPE-SPECIFIC GENE THERAPY TARGETING NEURONS OF THE REWARD BRAIN IN RODENTS AND NON-HUMAN PRIMATES

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IMPACT OF APRIL 2021 X-WAIVER EXEMPTION ON BUPRENORPHINE PRESCRIBING: AN INTERRUPTED TIME SERIES ANALYSIS

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DETERMINING THE LONG-LASTING EFFECTS OF ADOLESCENT CANNABINOID EXPOSURE

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HOSPITAL ADMISSIONS IN THE FIRST YEAR POSTPARTUM AMONG WOMEN WITH OPIOID USE DISORDER

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CHRONIC OPIOIDS INHIBIT KAPPA OPIOID RECEPTOR-EXPRESSING VTA NEURONS TO DRIVE WITHDRAWAL BEHAVIORS

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