

Addiction Risks and Mechanisms Study Section [ARM]

The Addiction Risks and Mechanisms (ARM) study section reviews applications for quantitative and qualitative human research aimed at understanding the nature and etiology of addiction at the individual level. Variables of interest may be behavioral, psychological, psychosocial, psychiatric, genetic, cognitive, biological, or neurophysiological. Methodological approaches may be longitudinal, cross-sectional, survey- and interview-based, experimental or laboratory-based, or may focus on the analysis of existing datasets. Specific areas covered include:

- Use and abuse of illicit drugs (including cocaine, heroin, marijuana, methamphetamine, new and emerging drugs) and alcohol; prescription drug misuse; nicotine dependence and use of alternative tobacco products.
- Environmental, psychological, genetic, biological, and other risk factors that might influence or predict the onset or progression of addictive behaviors during critical developmental periods (e.g., adolescence, emerging adulthood) and across the lifespan; inter-generational transmission of addictive behaviors.
- Co-morbidity of addictions and other behavioral, medical, and psychological conditions; substance-related violence and victimization.
- Factors that might predict who is most likely to benefit from evidence-based substance use treatments.
- The influence of social and environmental context on addictive behaviors in individuals.
- Acute and long-term behavioral and physiological effects of substance use and misuse.
- Laboratory studies examining drug or alcohol administration in controlled conditions.
- Neurocognitive processes associated with addictive behaviors such as cue reactivity, impulsivity, and decision making. Studies may include brain imaging (e.g., fMRI) and electrophysiological (e.g., EEG) methods.
- Preliminary assessments of how candidate pharmacotherapies affect neurocognitive processes and mechanisms associated with addictive behaviors.
- The development and testing of tools and methods for understanding addiction.

Study sections with most closely related areas of similar science listed in rank order are:

[Interventions to Prevent and Treat Addictions Study Section \[IPTA\]](#)

[Psychosocial Development, Risk, and Prevention Study Section \[PDRP\]](#)

[Community Influences on Health Behavior Study Section \[CIHB\]](#)

[Community-Level Health Promotion Study Section \[CLHP\]](#)

[Behavioral Genetics and Epidemiology Study Section \[BGES\]](#)

[Social Sciences and Population Studies Study Section \[SSPA & SSPB\]](#)

[Child Psychopathology and Developmental Disabilities Study Section \[CPDD\]](#)

[Biobehavioral Regulation, Learning and Ethology Study Section \[BRLE\]](#)

CHAIRPERSON

[CARPENTER, MATTHEW J](#), PHD (18)
PROFESSOR
DEPARTMENT OF PSYCHIATRY AND BEHAVIORAL SCIENCES
MEDICAL UNIVERSITY OF SOUTH CAROLINA
CHARLESTON, SC 29425

MEMBERS

[CORBIN, WILLIAM R](#), PHD (19)
PROFESSOR
DEPARTMENT OF PSYCHOLOGY
ARIZONA STATE UNIVERSITY
TEMPE, AZ 85287

[CORNELIUS, MARIE D](#), PHD (20)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHIATRY
AND EPIDEMIOLOGY
SCHOOL OF MEDICINE
UNIVERSITY OF PITTSBURGH
PITTSBURGH, PA 15213

[DAUGHTERS, STACEY B](#), PHD (22)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHOLOGY AND
NEUROSCIENCE
UNIVERSITY OF NORTH CAROLINA,
CHAPEL HILL
CHAPEL HILL, NC 27516

[GEORGE, TONY P](#), MD (18)
PROFESSOR AND CO-DIRECTOR
DIVISION OF BRAIN AND THERAPEUTICS
DEPARTMENT OF PSYCHIATRY
UNIVERSITY OF TORONTO
TORONTO, ON M5T1R8

[HEITZEG, MARY M](#), PHD (21)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHIATRY
AND ADDICTION RESEARCH CENTER
UNIVERSITY OF MICHIGAN
ANN ARBOR, MI 48109

[HOPFER, CHRISTIAN J](#), MD (20)
PROFESSOR
DEPARTMENT OF PSYCHIATRY
SCHOOL OF MEDICINE
UNIVERSITY OF COLORADO AT DENVER
AURORA, CO 80045

[JOHNSON, MATTHEW W](#), PHD (21)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHIATRY AND
BEHAVIORAL SCIENCES
JOHNS HOPKINS UNIVERSITY SCHOOL OF
MEDICINE
BALTIMORE, MD 21224

[JOHNSON, SHARON D](#), PHD (18)
PROFESSOR
SCHOOL OF SOCIAL WORK
UNIVERSITY OF MISSOURI, ST LOUIS
ST LOUIS, MO 631214499

[KAUFMAN, MARC J](#), PHD (18)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHIATRY
HARVARD MEDICAL SCHOOL
MCLEAN HOSPITAL
BELMONT, MA 02478

[KERR, WILLIAM C](#), PHD (21)
SENIOR SCIENTIST
ALCOHOL RESEARCH GROUP
PUBLIC HEALTH INSTITUTE
EMERYVILLE, CA 94608

[LEVE, LESLIE D](#), PHD (19)
PROFESSOR
DEPARTMENT OF COUNSELING
PSYCHOLOGY AND HUMAN SERVICES
UNIVERSITY OF OREGON
EUGENE, OR 97403

[LUCIANA, MONICA](#), PHD (19)
PROFESSOR AND CHAIR
DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MN 55455

[NAGEL, BONNIE J](#), PHD (19)
PROFESSOR
DEPARTMENT OF PSYCHIATRY &
BEHAVIORAL NEUROSCIENCE
OREGON HEALTH AND SCIENCE
UNIVERSITY
PORTLAND, OR 97239

[SIMMONS, VANI N](#), PHD (19)
ASSOCIATE MEMBER
DEPARTMENT OF HEALTH
OUTCOMES AND BEHAVIOR
H LEE MOFFITT CANCER CENTER
AND RESEARCH INSTITUTE
TAMPA, FL 33647

[SIMONS, JEFFREY S](#), PHD (21)
PROFESSOR
DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF SOUTH DAKOTA
VERMILLION, SD 57069

[STRASSER, ANDREW A](#), PHD (20)
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHIATRY
ABRAMSON CANCER CENTER
PERELMAN SCHOOL OF MEDICINE
THE UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA, PA 19104

[WITKIEWITZ, KATIE](#), PHD (19)
PROFESSOR
DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NM 87131