



9th
BIENNIAL MEETING
of the
**INTERNATIONAL DRUG &
ALCOHOL RESEARCH
SOCIETY**

Rio de Janeiro, Brazil
April 29 – May 3, 2024





9TH



***BIENNIAL INTERNATIONAL DRUG & ALCOHOL
RESEARCH SOCIETY***

PROGRAM

Recent Advances in Drug Addiction

*April 29 – May 3, 2024
Grand Hyatt Rio de Janeiro
Rio de Janeiro, Brazil*

Conference Organizers:

**Syed Ali, Nick Gilpin, Barbara Juarez, Barbara Mason, Sulie L. Chang,
Emmanuel Onaivi, Alex Dopico, Antonio Noronha, and George Koob**

Executive Secretary:

Nikki Mullen

The International Drug & Alcohol Research Society (IDARS) would like to thank the following organizations for their generous financial support of the meeting:



**Department of Pharmacology, Addiction Sciences and Toxicology,
UTHSC, Memphis, TN – Alex Dopico**

Eliot Gardner

Sunday, April 28, 2024

REGISTRATION AND WELCOME

3:00 – 6:00 PM

Monday, April 29, 2024

- 8:00 – 2:00 PM** **Registration Desk Open**
- 8:00 – 8:10 AM** **Welcome & Opening Remarks in Conference Room**
Nick Gilpin and George Koob
- 8:10 – 9:00 AM** **Plenary Lecture I**
Closing the Treatment Gap, and Alcohol Use Disorder Perspective
George Koob, Director, NIAAA, Baltimore, Maryland, USA
- Moderator:** **Nick Gilpin, LSU, New Orleans, Louisiana, USA**

SESSION I: DRUG AND ALCOHOL EFFECTS ACROSS THE LIFESPAN

- Moderators:** **Tiffany Willis (USA)**
- 9:00 – 9:20 AM** **Epigenome-wide association study (EWAS) of cocaine users.**
Rodrigo Grassi-Oliveira, University of Aarhus, DENMARK.
- 9:20 – 9:40 AM** **Binge-drinking during mature adulthood induces behavioral and biochemical indices of cognitive decline in C57BL/6J mice.**
Karen Szumlinski, University of California, Santa Barbara, California, USA
- 9:40 – 10:00 AM** **Early life adversity effects on reward-related behavior and drug intake in developing rats.**
Millie Rincon-Cortes, University of Texas at Dallas, Texas, USA.
- 10:00 – 10:20 AM** **Prenatal alcohol effects on amygdala function and maladaptive behaviors.**
Marvin Diaz, SUNY Binghamton University, New York, USA
- 10:20 – 10:40 AM** **COFFEE/TEA BREAK**

SESSION II: TRANSCRIPTIONAL AND EPIGENETIC EFFECTS OF ALCOHOL ON END ORGANS

- Moderators:** **Antonio Noronha (USA) and Mohammed Akbar (USA)**
- 10:40 – 11:00:** **Role of Chromatin Modifier Developmental Pluripotency Associated Factor 4 in Mediation of Fetal Alcohol Effects on Neuroendocrine System.**
Dipak Sarkar, Rutgers University, USA.
- 11:00 – 11:20:** **RNA-seq analysis reveals mechanisms underlying binge ethanol-induced differential spleen atrophy in adolescent rats.**
Sulie Chang, Seton Hall University, USA.

11:20 – 11:40: Adolescent binge drinking disrupts fMRI neuronal networks and cognition through epigenetic priming of neuroimmune signaling and silencing of cholinergic neurons.

Fulton Crews, *University of North Carolina, USA.*

11:40 – 12:00: Deciphering brain epitranscriptome: A new mechanism of adult psychopathology after adolescent alcohol exposure.

Subhash Pandey, *University of Illinois-Chicago, USA.*

12:00 – 1:30 PM LUNCH

SESSION III: SUBSTANCE ABUSE AND EARLY DEVELOPMENT

Moderators: *Anna Bukiya (USA) and Fernando Valenzuela (USA)*

1:30 – 1:50 PM Fetal cerebral artery mitochondria as a target of maternal alcohol intoxication.

Anna Bukiya, *University of Tennessee HSC, USA.*

1:50 – 2:10 PM Acute exposure to THC alters discrete components of neuromuscular junction transmission in larval zebrafish.

Declan Ali, *University of Alberta, CANADA.*

2:10 – 2:30 PM Effects of prenatal alcohol exposure on behavior in mice with dopamine and microglia cell specific deletion of CB2R.

Ana Canseco-Alba, *National Institute of Neurology and Neurosurgery, MEXICO.*

2:30 – 2:50 PM Effects of developmental alcohol and cannabis exposure on cortical sensory processing.

Alex Medina, *University of Maryland, USA.*

2:50 - 3:10 PM COFFEE/TEA BREAK

SESSION IV: FLASH TALKS- STUDENT & POST-DOC

Moderator: *Barbara Juarez, University of Maryland, USA*

3:10 – 3:19 PM Opioid-induced dysbiosis of maternal gut microbiota during gestation alters offspring gut microbiota and pain sensitivity.

Yaa Abu, *University of Miami, USA*

3:19 – 3:27 PM Cortical brain areas involved in contextual tolerance to fentanyl in male C57BL/6 mice.

Rosa Serrano, *Yale University, USA*

3:27 – 3:36 PM Central Amygdala Neuronal Populations Control Opioid-Related Behavior: The Role of Glucocorticoids.

Lucas Tortorelli, *NIH, USA.*

- 3:36 – 3:45 PM **Neonatal morphine exposure (NME) results in sustained alterations to the gut microbiome contributing to hypersensitivity to thermal pain in adolescence.**
Danielle Antoine, University of Miami, USA
- 3:45 – 3:54 PM **Opioid antagonism modulates oxytocin-induced anxiety-like behavior: Implications for treatment of substance use disorders.**
Khalin E. Nisbett, NIH, USA
- 3:54 – 4:03 PM **Binge ethanol exposure in mouse equivalent to third trimester human pregnancy: Impact on neuronal function in the subiculum.**
Katalina Lopez, University of New Mexico, USA
- 4:03 – 4:12 PM **Effect of ketone esters on blood alcohol levels in rats and human.**
Janaina Vendruscolo, NIH, USA
- 4:12 – 4:21 PM **Psilocybin modulation of a cognitive control nucleus.**
Maxwell Madden, University of Maryland, USA
- 4:21 – 4:30 PM **Cell-Type-Specific Analysis of Dopaminergic Neurons in Ventral Hippocampus in Cocaine Action.**
Veronika Kondev, Mount Sinai University, USA
- 4:30 – 4:39 PM **Systemic inhibition of mTOR activity does not block the expression of incubated craving for methamphetamine or sucrose.**
Fernando Cano, University of California, Santa Barbara, USA
- 4:39 – 4:48 PM **CCL2 antagonist RS504393 reverses heroin-induced hyperalgesia and place aversion in adult male and female rats.**
Nadia Said, NIH, USA
- 4:48 – 4:59 PM **Use of Social Media Platforms Among Cannabis Retailers in the United States.**
Patricia Cavazos-Rehg, Washington University, USA

Tuesday, April 30, 2024

8:00 – 2:00 PM Registration desk open

8:00 – 9:00 AM **Plenary Lecture II**
Associative and Sensorimotor Basal Ganglia Circuit Roles in Substance Use and Misuse.
David Lovinger, *Intramural Scientific Director, NIH/NIAAA, USA*

Moderator: **Antonio Noronha (USA)**

SESSION V: RECENT INSIGHTS ON THE NEUROBIOLOGY OF STRESS EFFECTS ON ALCOHOL- AND COCAINE-RELATED BEHAVIORS

Moderator: **Marcus Weera (USA)**

9:00 – 9:20 AM **Stress increases voluntary ethanol intake in mice with a history of chronic intermittent ethanol exposure.**
Marcelo Lopez, *Medical University of South Carolina, USA.*

9:20 – 9:40 AM **Lateral hypothalamus mediates stress-induced escalation of alcohol drinking.**
Marcus Weera, *Tufts University, USA.*

9:40 – 10:00 AM **Adult BNST stimulation promotes sex-specific negative affect-like behavior and parabrachial activation in mice with adolescent alcohol history.**
Lucas Albrechet-Souza, *LSU Health Sciences Center, USA.*

10:00 – 10:20 AM **Critical role of microglia in stress-induced neuroadaptations in accumbens core and cocaine seeking.**
Constanza Garcia-Keller, *Medical College of Wisconsin, USA.*

10:20 – 10:40 AM **COFFEE/TEA BREAK**

SESSION VI: EXPLORING MULTILEVEL VULNERABILITIES IN ADDICTION: INSIGHTS AND INNOVATIONS FROM THE COCAINE BIOBANK

Moderators: **Olivier George (USA) and Lieselot Carrette (USA)**

10:40 – 11:00 AM **An autophagy-related protein Becn2 regulates cocaine reward behaviors via the brain dopaminergic system.**
Ming Xu, *University of Chicago, USA.*

11:00 – 11:20 AM **Identification of gene variants that predict cocaine addiction-like behaviors in heterogeneous stock rats.**
Olivier George, *University of California San Diego, USA*

11:20 – 11:40 AM **Sex-specific differences in deltaFosB expression promotes neuroadaptation and cocaine self-administration in heterogeneous stock rats.**

Philip Vieira; CSU Dominguez Hills, USA.

11:40 – 12:00 PM **Role of Peli1 expression and microglia activation in cocaine self-administration in heterogeneous stock rats.**

Ming-Lei Guo, Eastern Virginia Medical School, USA.

12:00 – 12:20 PM **Leptin Protects Against the Development and Expression of Cocaine Addiction-Like Behavior in Heterogeneous Stock Rats.**

Lieselot Carrette, University of California San Diego, USA

12:20 – 1:40 PM **LUNCH BREAK**

**SESSION VII: THE INTERSECTION OF PAIN-RELATED BEHAVIORS AND
SUBSTANCE USE DISORDERS**

Moderators: Jose Moron-Concepcion (USA)

1:40 - 2:00 PM **Genetic and genomic analysis of mechanisms underlying ethanol-induced analgesia.**

Michael Miles, Virginia Commonwealth University, USA

2:00 - 2:20 PM **Oxytocin effect on hyperalgesia during alcohol dependence in rats.**

Brendan Tunstall, University of Tennessee Health Science Center, USA

2:20 - 2:40 PM **Sex-dependent effect of pain on alcohol drinking behavior in rat models of AUD: role of the CeA-NAc dynorphin projection.**

Lucia Hipolito, University of Valencia, SPAIN

2:40 - 2:50 PM **COFFEE/TEA BREAK**

2:50 - 3:10 PM **Dissection of neural circuitry underlying pain-induced aversion leading to abnormal opioid intake.**

Nicolas Massaly, University of California, Los Angeles, USA

3:10 – 3:30 PM **Sex Differences in the Adolescent Alcohol-Induced Hyperalgesia**

Tiffany Wills, LSUHSC, USA

3:30 – 3:50 PM **Elevated dopamine D1/D2 receptor ratio in opioid use disorder recovery.**

Peter Manza, NIH, USA

3:50 – 4:10 PM **Dissection of PAG connectivity during osteoarthritis progression for the investigation of potential networks related to opioid addiction.**

Joyce da Silva, University of Maryland, USA

4:10 – 5:00 PM **IDARS Business Meeting
Led by Nick Gilpin and Barbara Juarez**

Wednesday, May 1, 2024

FREE DAY

CONFERENCE TOUR

**NO SCHEDULED CONFERENCE
ACTIVITIES**

Thursday, May 2, 2024

SESSION VIII: ALCOHOL: FROM GENES TO THE CLINIC

- Moderators:** Adolf Pfefferbaum (USA) and Edith Sullivan (USA)
- 8:20 – 8:40 AM** **Transcriptomic mechanisms of chronic alcohol exposure.**
Sean Farris, *University of Pittsburgh, USA*
- 8:40 – 9:00 AM** **A role for interleukin-33 in the neuroimmunophysiology of excessive alcohol intake.**
Regina Mangieri, *UT-Austin, USA*
- 9:00 – 9:20 AM** **BK channels enable differential interactions between alcohol and neurosteroids on cerebral artery function.**
Alex Dopico, *University of Tennessee Health Science Center, USA*
- 9:20 – 9:40 AM** **AUD and aging exert compounded untoward effects on regional thalamic volumes in people living with HIV infection.**
Adolf Pfefferbaum, *SRI, USA*
- 9:40 – 10:00 PM** **COFFEE/TEA BREAK**

SESSION IX: TARGETING PEPTIDE RECEPTORS FOR ADDICTION TREATMENT

- Moderators:** Giordano de Guglielmo (USA) and Roberto Ciccocioppo (ITALY)
- 10:00 – 10:20 AM** **Stress effects on kappa opioid receptor responses in dopamine neurons projecting to the dorsal medial prefrontal cortex.**
Elyssa Margolis, *University of California, San Francisco, USA.*
- 10:20 – 10:40 AM** **The role of kappa opioid receptor-expressing cells in social defeat stress-escalated alcohol drinking.**
Rajani Maiya, *LSU Health Sciences Center, USA*
- 10:40 – 11:00 AM** **The role of N/OFQ signaling in a rat model of opioid use disorder.**
Giordano de Guglielmo, *University of California San Diego, USA*
- 11:00 – 11:20 AM** **Coactivation of NOP and classical opioid receptor systems in opioid use disorder.**
Roberto Ciccocioppo, *University of Camerino, ITALY.*
- 11:20 – 11:40 AM** **Oxytocin signaling in the central amygdala contributes to its therapeutic potential in reducing alcohol consumption.**
Howard Becker, *Medical University of South Carolina, USA.*

11:40 – 12:00 PM **Hormone control of food versus drug choice behavior.**
Tod Kippin, University of California, Santa Barbara, USA.

12:00 – 1:30 PM LUNCH

SESSION X: CANNABINOIDS AND ENDOCANNABINOIDS

Moderators: Emmanuel Onaivi (USA) and Prakash Nagarkatti (USA)

1:30 - 1:50 PM **Psychiatric Side Effects of the Cannabinoid CB1 Inverse Agonist SR141716 (Rimonabant) were Likely Predictable from Preclinical Animal Models.**
Eliot Gardner, NIH, USA

1:50 - 2:10 PM **Cannabinoid CB2 receptor neuro-immune crosstalk in alcohol induced behavioral effects.**
Emmanuel Onaivi, NIDA-NIH & William Paterson University, USA

2:10 - 2:30 PM **Role of anandamide in the attenuation of acute respiratory distress syndrome through induction of epigenetic pathways and regulation of dysbiosis.**
Mitzi Nagarkatti, University of South Carolina, USA

2:30 - 2:50 PM **Intracellular signaling of SR171416A – A CB1R inverse agonist/antagonist evoked emesis in least shrew.**
Nissar Darmani, Western University of Health Sciences, USA

2:50 - 3:10 PM **Alcohol induced behavioral and immune perturbations are attenuated by activation of CB2 cannabinoid receptors.**
Aaliyah Roberts, William Paterson University, USA

3:10 – 3:30 PM **Delta-8-tetrahydrocannabinol Attenuates Experimental Multiple Sclerosis Through Modulation of Gut Microbiota**
Prakash Nagarkatti, University of South Carolina, USA

3:30 - 3:40 PM COFFEE/TEA BREAK

SESSION XI: CORTICAL CIRCUIT CONTROL OF COGNITION AND ACTION IN ADDICTION

Moderator: Brian Mathur (USA)

3:40 – 4:00 PM **Transcranial magnetic stimulation of human PFC effects on behavioral outcomes in AUD patients**
Abraham Zangen, Ben Gurion University, ISRAEL

4:00 – 4:20 PM **Decoding Neuropeptide S Modulation of OFC-mediated Reward Seeking in an Oral Fentanyl Self Administration Task.**
Kasey Girven, University of Washington, USA

- 4:20 – 4:40 PM** **Chronic alcohol drinking effects on PFC circuits in non-human primates.**
Verginia Cuzon-Carlson, Oregon Health & Science University, USA
- 4:40 – 5:00 PM** **Alcohol drinking is governed by anterior cingulate cortex-dependent arousal.**
Rafiq Huda, Rutgers University, USA

Friday, May 3, 2024

SESSION XII: ALCOHOL AND OPIOIDS: OVERDOSE, STRESS, AND TREATMENT

Moderators: Leandro Vendruscolo (USA) and Mohammed Akbar (USA)

8:40 - 9:00 AM **Understanding Fentanyl Lethality: Respiratory Depression and Potential Biomarkers of Addiction-like Behaviors.**
Renata Marchette, NIDA, NIH, USA.

9:00 - 9:20 AM **The role of central amygdala astrocytes in ethanol dependence.**
Judson Chandler; Medical University of South Carolina, USA

9:20 - 9:40 AM **The Stress of Addiction: Dysregulation of Psycho-neuro-endocrine Systems in Alcohol and Opioid Dependence**
Leandro Vendruscolo, NIDA, NIH, USA

9:40 – 10:00 AM **A Proof-of-Concept Human Laboratory Study of a Selective Glucocorticoid Antagonist for Alcohol Use Disorder.**
Barbara Mason, Scripps, USA.

10:00 - 10:20 AM **KNX100: A Novel Clinical-Stage Small Molecule Showing Potential for Treating Opioid and Alcohol Use Disorders.**
Michael Bowen, University of Sydney, AUSTRALIA

10:20 – 10:40 AM COFFEE/TEA BREAK

SESSION XIII: CELLULAR CROSSTALK IN HIV AND DRUG ABUSE-MEDIATED INFLAMMATION

Moderators: Shilpa Buch (USA) and Sabita Roy (USA)

10:40 – 11:00 AM **HIV and opiate-mediated AD and senescence in astrocytes.**
Shilpa Buch, University of Nebraska, USA

11:00 – 11:20 AM **HIV and Drugs of Abuse-Mediated Neuroinflammation: Role of miRNAs and inflammasomes.**
Palsamy Periyasamy, University of Nebraska, USA

11:20 – 11:40 AM **Neuroinflammatory overload in methamphetamine misuse and HIV infection.**
Michael Toborek, University of Miami, USA

11:40 – 12:00 AM **Single cell RNA sequencing of mouse amygdala under opioid dependent and withdrawal states.**
Sabita Roy, University of Miami, USA

12:00 – 12:20 PM Lung and brain injury by alcohol and e-cigarettes: Common mechanisms and role of extracellular vesicles in organ crosstalk.
Yuri Persidsky, Temple University, USA

12:20 – 12:30 PM CLOSING COMMENTS & DISCUSSION
George Koob, IDARS President

12:30 – 2:00 PM LUNCH

2:00 PM
CONFERENCE DISMISSED

**9th IDARS Meeting
Rio de Janeiro, Brazil
Participant List 2024**

Yaa Abu

University of Miami
Miami, Florida, USA
yfa8@med.miami.edu

Mohammed Akbar

NIAAA / NIH
Bethesda, Maryland USA
akbarm@mail.nih.gov

Lucas Albrechet-Souza

LSU Health Sciences Center
Baton Rouge, Louisiana, USA
504-338-1769
lidesou@lsuhsc.edu

Declan Ali

University of Alberta
Edmonton, CANADA
780-492-6094
declan.ali@ualberta.ca

Danielle Antoine

University of Miami
Miami Florida, USA
dxa795@med.miami.edu

Howard C. Becker

University of South Carolina
Charleston, South Carolina, USA
843-810-8219
beckerh@musc.edu

Michael Bowen

University of Sydney
Sydney, AUSTRALIA
michael.bowen@sydney.edu.au

Shilpa Buch

University of Nebraska Medical Center
Omaha Nebraska, USA
1-402-559-3165
sbuch@unmc.edu

Anna Bukiya

The University of Tennessee HSC
Memphis, Tennessee USA
1-901-448-2128
abukiya@uthsc.edu

Fernando Cano

University of California
Santa Barbara California, USA
(951) 505-1702
fjcano@ucsb.edu

Ana Canseco-Alba

National Institute of Neurology and
Neurosurgery
Mexico City, MEXICO
312-476-9261
cansecoana@yahoo.com.mx

Lieselot Carrette

University of California
San Diego California, USA
781-588-9765
icarrette@health.ucsd.edu

Lawrence Judson Chandler

Medical University of South Carolina, USA
843-792-8541
chandj@musc.edu

Sulie Chang

Seton Hall University
New Jersey USA
1-973- 432 -2073
sulie.chang@shu.edu

Roberto Ciccocioppo

University of Camerino, ITALY
(39) 07-3740-3313
roberto.ciccocioppo@unicam.it

Fulton Crews

University of North Carolina
Charlotte, North Carolina, USA
919-260-2302
fulton_crews@med.unc.edu

Verginia Cuzon-Carlson

Oregon Health & Science University
Portland Oregon, USA
503-346-5482
cuzoncar@ohsu.edu

Nissar Darmani

Western University of Health Sciences
Pomona, California, USA
909-684-2366
ndarmani@westernu.edu

Marvin Diaz

SUNY Binghamton University
New York, USA
1-607-777-4372
mdiaz@binghamton.edu

Alex Dopico

University of Tennessee Health Science Center
Memphis, Tennessee, USA
1-901-438-4640
adopico@uthsc.edu

Sean Farris

University of Pittsburgh, USA
737-701-2625
farrissp@pitt.edu

Constanza Garcia-Keller

Medical College of Wisconsin, USA
843-714-7669
cgkeller@mcw.edu

Eliot Gardner

National Institutes of Health Biomedical
Research Center
Bethesda, Maryland USA
410-327-1773
egardner@intra.nida.nih.gov

Olivier George

University of California San Diego, USA
619-708-5629
olgeorge@health.ucsd.edu

Nicholas Gilpin

Department of Physiology
Louisiana State University Health Sciences
Center
ngilpi@lsuhsc.edu

Kasey Girven

University of Washington,
Seattle, Washington, USA
956-624-3375
ksgirven@uw.edu

Rodrigo Grassi-Oliveira

University of Aarhus, DENMARK
1-591-929-377
rodrigo.grassi@puhrs.br

Giordano De Guglielmo

University of California San Diego, USA
gdeguglielmo@health.ucsd.edu

Ming-Lei Guo

Eastern Virginia Medical School
Norfolk, Virginia, USA
GuoM@EVMS.EDU

Lucia Hipolito

University of Valencia, SPAIN
34647250246
lucia.hipolito@uv.es

Rafiq Huda

Rutgers University
New Jersey, USA
507-581-2675
rafiq.huda@gmail.com

Barbara Juarez

Departments of Pharmacology & Psychiatry
and Behavioral Sciences
University of Washington Medical Center
juarezb@uw.edu

Tod Kippin

University of California, Santa Barbara, USA
805-705-8286
kippin@ucsb.edu

Veronika Kondev

Mount Sinai University
New York City, New York, USA
815-514-1688
vkondev@sbcglobal.net

George Koob

National Institute on Alcohol Abuse and
Alcoholism
Bethesda, Maryland USA
301-402-0071
george.koob@nih.gov

Katalina Lopez

University of New Mexico, USA
505-228-7513
katalinamlopez3@gmail.com

Marcelo Lopez

Medical University of South Carolina
Charleston, South Carolina, USA
843-670-3286
lopezm@musc.edu

David Lovinger

National Institutes of Health/ National
Institute on Alcohol Abuse and Alcoholism
Maryland, USA
240-463-7001
lovindav@nih.gov

Maxwell Madden

University of Maryland, USA
mmadden@som.umaryland.edu

Rajani Maiya

LSU Health Sciences Center
New Orleans, Louisiana, USA
512-922-5596
rmaiya@lsuhsc.edu

Regina Mangieri

University of Texas at Austin, USA
512-914-3503
reginamangieri@utexas.edu

Peter Manza

National Institutes of Health
Maryland, USA
301-402-9724
manzapg@nih.gov

Renata Nunes Marchette

National Institutes of Health/ National
Institute on Drug Abuse
Maryland, USA
443-740-2730
renata.marchette@nih.gov

Nicolas Massaly

University of California
Los Angeles, California, USA
929-328-4845
nmassaly@ucla.edu

Elyssa Margolis

University of California
San Francisco, California, USA
510-704-8753
elyssabmargolis@yahoo.com

Barbara Mason

Scripps
San Diego, California, USA
858-504-0905
samreed@scripps.edu

Alex Medina

University of Maryland, USA
amedinadejesus@som.umaryland.edu

Michael Miles

Virginia Commonwealth University
Richmond, Virginia, USA
804-982-9857
Michael.Miles@vcuhealth.org

Jose Moron-Concepcion

Washington University, USA
646-287-3550
jmoron-concepcion@wustl.edu

Mitzi Nagarkatti

University of South Carolina, USA
804-514-3955
mitzi.nagarkatti@uscmed.sc.edu

Prakash Nagarkatti

University of South Carolina, USA
804-399-4930
prakash@mailbox.sc.edu

Khalin Nisbett

National Institutes of Health
Maryland, USA
240-569-0006
jaddua.johnston@nih.gov

Antonio Noronha

NIAAA / NIH
Bethesda, Maryland USA
anoronha@mail.nih.gov

Emmanuel Onaivi

William Paterson University
Maryland, USA
Onaivie@wpunj.edu

Palsamy Periyassamy

University of Nebraska, USA
402-559-3121
Palsamy.periyasamy@unmc.edu

Subhash Pandey

University of Illinois-Chicago, USA
630-674-9794
scpandey@uic.edu

Yuri Persidsky

Temple University, USA
215-707-4353
linda.evans@temple.edu

Adolf Pfefferbaum

SRI, USA
650-279-0318
adolf.pfefferbaum@sri.com

Millie Rincon-Cortes

University of Texas
Dallas, Texas, USA
646-639-0224
millie.rincon-cortes@utdallas.edu

Aaliyah Roberts

William Paterson University, USA
robertsa24@student.wpunj.edu

Sabita Roy

University of Miami
Miami, Florida, USA
651-285-3760
sabita.roy@miami.edu

Nadia Said

National Institutes of Health
Bethesda, Maryland USA
240-569-0006
jaddua.johnston@nih.gov

Dipak Sarkar

Rutgers University
New Brunswick, New Jersey, USA
609-651-1023
Dipak.sarkar@rutgers.edu

Rosa Serrano

Yale University
New Haven, Connecticut, USA
rosa.serrano@yale.edu

Joyce Da Silva

University of Maryland
Maryland, USA
443-758-8635
jteixeira@umaryland.edu

Karen Szumlinski

University of California
Santa Barbara, California, USA
805-705-8304
szumlinski@ucsb.edu

Michael Toborek

University of Miami
Miami, Florida, USA

mtoborek@med.miami.edu

Lucas Tortorelli

National Institutes of Health
Bethesda, Maryland USA
951-547-9906

lucas.silvatoriorelli@nih.gov

Brendan Tunstall

University of Tennessee Health Science
Center

Memphis, Tennessee, USA
202-431-4573

btunstall@uthsc.edu

Janaina Vendruscolo

National Institutes of Health
Bethesda, Maryland USA
858-405-6346

janaina.vendruscolo@nih.gov

Leandro Vendruscolo

National Institutes of Health
Bethesda, Maryland USA
240-569-0006

jaddua.johnston@nih.gov

Philip Vieira

California State University, Dominguez Hills
Carson, California, USA

951-977-1449

pvieira@csudh.edu

Marcus Weera

Tufts University
Boston, Massachusetts, USA
517-489-7260

marcus.weera@tufts.edu

Tiffany Wills

LSUHSC
New Orleans, Louisiana USA

twills@lsuhsc.edu

Ming Xu

University of Chicago
Chicago, Illinois, USA

312-719-0109

mxu@uic.edu

Fernando Valenzuela

University of California
Santa Barbara, California, USA

505-239-8750

fvalenzuela@salud.unm.edu

Abraham Zangen

Head of the Brain Stimulation and Behavior
lab

Chair of the PsychoBiology Brain Program
Ben Gurion University, ISRAEL

972-8-647-2646

azangen@bgu.ac.il