NEUROSCIENCE RETREAT

SUNDAY, JULY 23 - MONDAY, JULY 24, 2017

CANAAN VALLEY RESORT • DAVIS, WV

SUNDAY, JULY 23, 2017

10:15 **WELCOME MESSAGE**

George Spirou, PhD • Co-Director, WVU BRNI

10:30 **NEW FACULTY SYMPOSIUM** MODERATOR:

Candice Brown, PhD • Asst. Professor • Physiology, Pharmacology, + Neuroscience

:30 "Clinical research investigating novel treatments for opioid use disorder"
James Mahoney, PhD • Asst. Professor, Clinical Neuropsychologist
Behavioral Medicine + Psychiatry

:45 "The effects of synaptically released zinc on auditory processing"
Charles Anderson, PhD • Asst. Professor, Physiology, Pharmacology, + Neuroscience

11:00 "Investigating functional development of neural circuits specified by the genomic screen homeobox transcription factors"
Sadie Bergeron, PhD • Asst. Professor, Department of Biology

:15 "Shamanism: An answer to our prayers? A story about a sage"
Vincent Setola, PhD • Asst. Professor, Physiology, Pharmacology, + Neuroscience

:30 "Mandatory use of Ohio's prescription drug monitoring program"
Erin Winstanley, PhD • Assoc. Professor, Pharmaceutical Systems + Policy

:45 "Assessing complex cognitive functions in animal models of TBI"
Cole Vonder Haar, PhD • Asst. Professor, Behavioral Neuroscience , Psychology

12:00 **IDEAs PRESENTATION** MODERATOR:

David Siderovski, PhD • Chair • Physiology, Pharmacology, + Neuroscience

LUNCH

12:00 "The role of amyloid brain imaging in evaluating dementia: the WVU experience in the IDEAS study"
Mark Miller, MD • Professor + Dana Farnsworth Chair of Education in Psychiatry

1:00 **POSTER SESSION #1**

12:45 Poster Judging meeting: All judges meet near registration table for instructions

3:30 **CREATIVE SHOWCASE + MIXER**

6:00 **COOKOUT DINNER** Outdoor Pavillion

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8:30 **TRAINEE SYMPOSIUM**

Moderator: Cristina Sanchez, PhD • Postdoctoral Fellow • Meares Lab

:30 "Regulator of G Protein Signaling-21 (RGS21): a novel modulator of the mammalian taste system"
Adam Schroer • Graduate Student • Siderovski Lab • Cellular + Integrative Phys.

:45 "Transmitter co-expression reveals key organizational principles of local interneuron heterogeneity in the olfactory system"
Kristyn Lizbinski • Graduate Student • Dacks Lab • Biology

9:00 "Decoding motor command for control of a myoelectric prosthesis"
Anton Sobinov • Graduate Student • Yakovenko Lab/NERL • Neuroscience

:15 "THC withdrawal is a stressor that alters emotionality-related behaviors in mice"
Kristen Trexler • Graduate Student • Kinsey Lab • Behavioral Neuroscience

:30 "Quantitative assessment of the cerebrovasculature in Alzheimer's disease "
Dominic Quintana • Graduate Student • SImpkins Lab • Neuroscience

:45 "The first documented corollary discharge to an olfactory pathway"
Phillip Chapman • Graduate Student • Daly Lab • Biology

10:15 **POSTER SESSION #2**

10:00 Poster Judging meeting: All judges meet near registration table for instructions

12:00 **HUMAN NEUROSCIENCE SYMPOSIUM**

LUNCH

Moderator: Greg Dunaway, PhD • Dean, Eberly College of Arts + Sciences

:00 "Understanding the human social brain at the single-neuron level"
Shuo Wang, PhD • Assistant Professor • Chemical + Biomedical Engineering

:15 "Implantable optoelectronic microsystems for bi-directional sensing and stimulating activity in brain circuits"
Joonhee Lee, PhD • Assistant Professor • Physics + Astronomy

:30 "Functional neurosurgery, movement disorders, and postural instability: Frontiers and opportunities for collaboration"
Nick Brandmeir, MD • Assistant Professor • Neurosurgery

:45 "Intervention experiments in human brains: Their importance (and ethical prickle)"
John Bickle, PhD • Professor + Head of Philosophy • Mississippi State University
Affiliate Faculty * Neurobiology + Anatomical Sciences * University of Mississippi

1:30 **BREAK OUT**

FACULTY Pine Room

BRNI Faculty Meeting
"Neuro Grad Program"
"Institutional + Campus Updates"

Main Ballrooms **TRAINEES**

"Funding your research career: Developing a competitive fellowship application"
Joan Lakoski, PhD