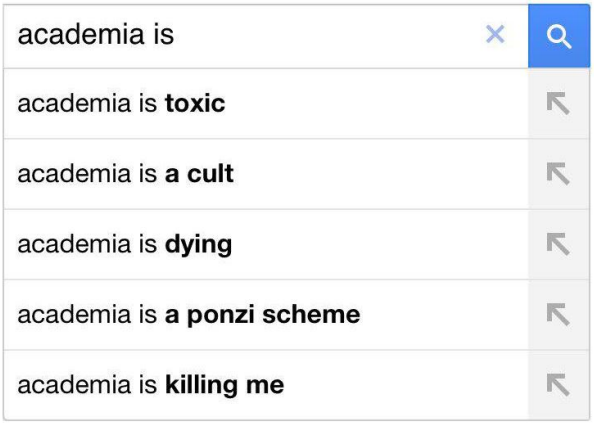
Message from the John & Donna Krenicki Director of Integrative Neuroscience:

You cannot make this stuff up, folks:



Enjoy a well deserved spring break!

- Donna Fekete

PURDUE INSTITUTE FOR
INTEGRATIVE
NEUROSCIENCE
Where science meets engineering

PIIN Travel Grant Winners – Spring 2017

Note: The next call will be out early summer for travel from July to December

Ikbeom Jang - Electrical and Computer Engineering

Megha Rajendran - Chemistry

Nicole Vike - Biomedical Engineering

Sena Zeynep - Health Sciences

Yukai Zou - Biomedical Engineering

Congratulations!

Featured Faculty Member: Julia Chester

Julia A. Chester received her Ph.D. in Behavioral Neuroscience from Oregon Health and Science University. She is currently an Associate Professor of Behavioral Neuroscience in the Department of Psychological Sciences. Her research program is broadly focused on the study of genetic, environmental, and neurobiological factors that influence the development of psychiatric disorders such as addiction, anxiety disorders, and schizophrenia.

A primary area of her research examines the genetic and neurochemical mechanisms that regulate behavioral and motivational effects of alcohol. She uses **rodent models of drug-seeking and conditioned behavior to advance the development of medications to treat alcohol use disorders and co-morbid conditions.**

Dr. Chester has a strong interest in the role of stress and stress hormones in influencing alcohol-seeking behaviors and other behaviors that model abnormal psychological processes and disease states in humans. Her recent work has largely focused on developing an animal model of co-morbid post-traumatic stress disorder (PTSD) and alcohol use disorder and exploring target mechanisms for the treatment of these disorders.

For a list of recent publications, visit Dr. Chester's website: http://www.purdue.edu/hhs/psy/directory/faculty/Chester_Julia.html

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Special Lectures in Neuroscience Course

Optogenetics: Illuminating Neural Circuit Function in the Visual System

BIOL 69500

Thomas Knopfel **- 3/22-3/23**

Public lecture – March 22, 3pm, MRGN 121

Andreas Burkhalter **- 3/29-3/30**

Public lecture – March 29, 4pm, MRGN 121

Zhuo-Hua Pan **- 4/19-4/20**

Public lecture – April 19, 4pm, MRGN 121

Axelrod Lecture Series

Dr. Bruce Yankner will be the speaker for the 2017 Axelrod Lectures. Bruce A. Yankner, M.D., Ph.D. is Professor of Genetics and Neurology at Harvard Medical School, Director of the Harvard Neurodegeneration Training Program, and Co-Director of the Paul F. Glenn Laboratories for Biological Mechanisms of Aging. His seminar dates and times are listed below.

Monday, April 2 – 3:30 PM

Tuesday, April 3 – 1:30 PM

Both seminars will be in PFEN 241 (Deans Auditorium)

Bruce A. Yankner, M.D., Ph.D. is Professor of Genetics and Neurology at Harvard Medical School, Director of the Harvard Neurodegeneration Training Program, and Co-Director of the Paul F. Glenn Laboratories for Biological Mechanisms of Aging. Dr. Yankner graduated from Princeton University, received his M.D. and Ph.D. from Stanford University, and did a residency at Massachusetts General Hospital. His work has contributed to understanding pathogenic mechanisms in Alzheimer's disease, Down's syndrome and Parkinson's disease, beginning with the initial observation that amyloid beta protein is a toxic molecule, and later with investigations into the roles of presenilin proteins, notch and Wnt in neuronal signaling and pathology. Work from the Yankner laboratory also defined the first transcriptome profile of the aging human brain, its evolution from mouse to man, and a role for DNA damage in brain aging. More recently, his laboratory has identified a gene network controlled by the master transcriptional repressor REST that promotes neuronal survival and stress resistance in the aging brain and may protect against Alzheimer's disease. He has received the Major Award for Medical Research from the Metropolitan Life Foundation, the Derek Denny-Brown Neurological Scholar Award from the American Neurological Association, the Irving S. Cooper Award from the Mayo Clinic, the Zenith Award from the Alzheimer's Association, the Ellison Medical Foundation Senior Scholar Award, the Nathan W. Shock award from NIA and the NIH Director's Pioneer Award.

Greater Indiana Chapter - Society for Neuroscience Meeting

March 31st from 8AM to 6PM

Goodman Hall - IU Health Neuroscience Center

355 W 16th St. Indianapolis, IN 46202

For registration and a full agenda, please visit the site.

Discovery Park's New Blog

Discovery Park is pleased to announce the launch of the new Discovery Park Chief Scientist's Blog. We invite you to follow along for updates on all that's happening at Discovery Park and more information on how you can get involved.

Foundation Grant Opportunity

American Society of Neuroradiology (ASNR)
The Foundation of the ASNR
Amount **$250,000 USD**

The ASNR anticipates funding multiple awards under this program. Applicants may request up to two years and $250,000 in total costs, inclusive of both direct and indirect costs. Exceptions for particularly unique projects will be considered, but requests that exceed $100,000 must be well justified in the Budget Justification section of the application. Budgets that exceed $100,000 require pre-approval by the Chairs of the Research committee prior to submission. Indirect costs may not exceed 10 percent of direct costs. For additional information please visit: http://www.theaftd.org/research/funding-opportunities

Funding Opportunities

Opportunity	Award Amount	Deadline
Team-Research BRAIN Circuit Programs – TeamBCP (U19)	Varies	March 1, 2017
New Investigator Awards in Alzheimer's Disease http://www.afar.org/research/funding/new-investigator-awards	100,000	March 6, 2017
Exploratory Targeted BRAIN Circuits Projects – eTargetedBCP (R21)	Varies	March 8, 2017
Simons Foundation Autism Research (SFARI) Initiative 2017 Pilot and Research Awards	70,000-275,000	March 22, 2017

NSF Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering (BIGDATA)	200,000-500,000	March 22, 2017
NIH BRAIN Initiative: Research Career Enhancement Award for Investigators to Build Skills in a Cross-Disciplinary Area (K18)	Varies	April 14, 2017
***NIH From Genomic Association to Causation: A Convergent Neuroscience Approach for Integrating Levels of Analysis to Delineate Brain Function in Neuropsychiatry* *U01* *Collaborative U01*	2,500,000	May 1, 2017
NIH Eradication of HIV-1 from Central Nervous System Reservoirs (RO1)	Varies	May 7, 2017
NIH Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research (P50)	1.75 Million	May 24, 2017
NIH Perception and Cognition Research to Inform Cancer Image Interpretation *R21* *R01*	Varies	May 30, 2017
***NIH Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01)*	400,000	June 5, 2017
NIH-NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)	400, 000	June 20, 2017
NIH Advancing Our Understanding of the Brain Epitransciptome *R21* *R01*	Varies	June 2017

****Newly Added**