



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

I am thrilled to announce our new Operations Manager for the Neuroscience Institute, Dr. Cinthia Sanchez-Hernandez. Cinthia completed her PhD in Biological Sciences here at Purdue in 2014 under the guidance of Dr. Richard Kuhn. Cinthia comes to us from the Minority Engineering Program in the College of Engineering where she has spent the last three years assisting with designing, coordinating, and executing outreach, recruitment, and retention programs for pre-college, college, and graduate students. Feel free to stop by and say hello to Cinthia - she is located in 247 Drug Discovery Building, and can be reached at sanchezh@purdue.edu. To continue with exciting news, renovations on the Hall for Discovery Learning will begin on Monday. The Neuroscience Institute will occupy the 3rd floor and is slated for move in during August of 2018. Finally, we are pleased to announce this cycle of travel grant recipients (listed below). Congratulations!

Travel Grant Recipients

Ankita Thawani - Biological Science

Aslihan Terzi - Biological Science

Eric Cameron - Health Science

Hyunsu Park - Biomedical Engineering

Keelan Trull - Chemistry

Matthew Pharris - Biomedical Engineering

Paola Montenegro - Medicinal Chem/Molecular Pharmacology

- Donna Fekete

NeuroNetworking

We have had a great turnout the past two weeks, please join us for our next session with Dr. Lee and Dr. Thomovsky.
Food will be provided.

1160 LYLES
Wednesday, June 21st

Hyowon (Hugh) Lee (BME) “Implantable sensors and actuators for neurological applications”
Stephanie Thomovsky (VET SCI) - TBA



Featured Faculty Member:

Greg Francis is a professor of Psychological Sciences, where he investigates cortical models of visual perception. Another primary interest explores statistical issues in experimental psychology, especially publication bias. A secondary research interest explores methods of applying quantitative models of cognition to the design of human-computer interfaces. A tertiary research interest is the development of Internet activities for teaching psychology and statistics. He earned a BS in Mathematics

and Physics from Butler University in 1989 and a PhD in Cognitive & Neural Systems from Boston University in 1994.



TBI Summit Registration Information

It is hard to believe that the summit is only a little over a month away.

Don't miss your opportunity to participate in this dynamic event--register today! We expect to be at capacity, so reserve your spot by registering using the link below: (use the same link to book your hotel)

<https://www.regonline.com/5thannualTBIsummit>

Summit Highlights:

- Hear and learn from leaders in TBI research and sports medicine
- CEUs available for ATCs
- Tremendous networking opportunity
- Poster sessions showing the work happening with our Big Ten and Ivy League colleagues
- Contribute to the dialogue regarding your research and best practices

Inventors and Colleagues

OTC is looking for interns. If you know any talented undergrads looking for a paid job or grad students curious about technology commercialization who can spare a few hours a week, I hope you can pass this on to them or send me their names. OTC interns' primary responsibility is writing our marketing summaries. Someone knowledgeable in life science would be an asset to the team of interns.

The posting can be found here: <https://www.prf.org/careers/job-listings/PRF%20-%20Office%20of%20Technology%20Commercialization%20Intern.html>

New Instrumentation

The Bindley Bioscience Center Imaging Facility received EVPRP funding through the competitive Equipment Program to purchase an IncuCyte imaging platform for real-time live cell analysis. For more information regarding the instrument and its capabilities contact Andy Schaber (schaber@purdue.edu).

The IncuCyte S3 is a compact dual fluorescent and HD-phase contrast imaging microscope placed within a standard tissue culture incubator thus providing unparalleled environmental control. It has a rotating objective turret with 4x, 10x and 20x objectives that allow concurrently run experiments requiring different magnifications. The 2 fluorescent channels have the following bandpass excitation and emission wavelengths: Green: EX - 440nm-480nm, EM - 504nm-544nm and Red; EX 565nm-605nm, EM - 625nm-705nm. This semi-high content equipment enables multiple dish observation (up to 6 multi-well dish format vessels) and quantification of cell behavior over time by automatically gathering and analyzing images to generate decision making data in an "all in-one" format that is seamless from image acquisition to image analysis and to generation of statistically relevant data within one work-flow. Data acquired from the time points is used to generate movies and/or graphical data for quantitative measurements of multiple cellular applications. Among these applications, the IncuCyte S3 can automatically measure proliferation, apoptosis, viability, phagocytosis, cell migration, 3D spheroid growth, stem cell colony control and can detect fluorescently labeled proteins, ligands and reporter gene activation. Chief among the many applications is cell monitoring whereby the device enhances understanding of normal cell behaviors and the ability to recognize different or abnormal behaviors.

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
<u>NIH-NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)</u>	400,000	June 20, 2017
<u>Challenge.gov NSF Hearables Challenge</u>	Between 3,000 & 80,000	June 26, 2017
<u>**DOD-CDMRP Psychological Health/Traumatic Brain Injury Research Program</u>	850,000	June 30, 2017
NIH Advancing Our Understanding of the Brain Epitranscriptome <ul style="list-style-type: none"> • <u>R21</u> • <u>R01</u> 	Varies	June 2017
<u>Michael J. Fox Foundation for Parkinson's Research Inflammation Biomarkers for Parkinson's Disease</u>	Up to 300,000	August 4, 2017
NIH Role of Myeloid Cells in Persistence and Eradication of HIV-1 Reservoirs from the Brain <ul style="list-style-type: none"> • <u>R21</u> • <u>R01</u> 	Varies	August 7, 2017
<u>**DOD-CDMRP Neurofibromatosis Research Program (NFRP)</u>	Varies	August 9, 2017
<u>**American Hearing Research Foundation Research Program</u>	25,000	August 15, 2017
<u>NSF Research in the Formation of Engineers (RFE)</u>	350,000	September 27, 2017
<u>**NSF-Simons Research Centers for Mathematics of Complex Biological Systems (MathBioSys)</u>	15,000	September 29, 2017
<u>NIH Novel Cell Non-autonomous Mechanisms of Aging (R01)</u>	250,000	October 3, 2017
NIH From Genomic Association to Causation: A Convergent Neuroscience Approach for Integrating Levels of Analysis to Delineate Brain Function in Neuropsychiatry <ul style="list-style-type: none"> • <u>R01</u> • <u>Collaborative R01</u> 	Varies	October 5, 2017
**NIH Cellular and Molecular Biology of Complex Brain Disorders <ul style="list-style-type: none"> • <u>R21</u> • <u>R01</u> 	Varies	October 16, 2017
**NIH Global Brain and Nervous System Disorders Research Across the Lifespan <ul style="list-style-type: none"> • <u>R21</u> • <u>R01</u> 	125,000	November 7, 2017
<u>NIH Innovative Research in Cancer Nanotechnology (IRC�) (R01)</u>	450,000	November 21, 2017

**Newly Added

