Message from the Director:

First and foremost, while we are still uncertain of the outcome from our director search, let me thank you all for the time, effort, and feedback you have contributed to the process. We had an excellent turn out for Dr. Finkbeiner's talk and visit last week, and could not be happier with the steady participation and patience you have displayed. This is truly a wonderful community, and any director is fortunate to have such support.

We are pleased to announce a weekly seminar/social called **NeuroNetworking** to run for 8 weeks this summer. Starting **Wednesday, June 8th from 4-6pm in 1160 Lyles Porter Hall**, we will be gathering neuroscientists interested in learning more about specific areas. The format is for two members to each give a 30 min seminar, followed by a **social hour** with snacks and beverages. Our first area will be Development, Genetics, and Neuropharmacology presentations on June 8th (Dr. Amy Brewster and Dr. Sebastien Helie) and June 15th (Dr. Natalya Kaganovich and Dr. Ed Fox), moving into Aging and Neurodegeneration on the 22nd and 29th. We will post the full agenda with talk titles to the website when we have completed the schedule. Please join us! Finally, as a reminder, we are planning a retreat for the fall, so please weigh in and provide your thoughts.

- Donna Fekete, *Inaugural Director*

Featured Faculty Member: Dr. Alexander Francis is an associate professor of Speech, Language and Hearing Sciences at Purdue University. He earned my B.A. in Linguistics from the University of Illinois at Urbana-Champaign in 1991, completing one semester of study in Allgemeine und Indogermanische Sprachwissenschaft at the Ludwig-Maximilians-Universität München. Dr. Francis did his graduate work at the University of Chicago, earning an M.A. in Linguistics in 1993 and a dual Ph.D. in Cognitive Psychology and Linguistics in 1999. He completed a postdoctoral fellowship in the Department of Speech and Hearing Sciences at the University of Hong Kong, and has been at Purdue since 2002. In addition to his position in SLHS, he's also a faculty associate in the Center on Aging and the Life Course, a Linguistics Program faculty member, and holds a courtesy appointment in the Dept. of Psychological Sciences. Dr. Francis' research program investigates the contribution of cognitive mechanisms such as working memory and selective attention to understanding speech in difficult circumstances, such as when listening to a talker with an unfamiliar accent or in the presence of competing sounds or other background noise. He uses behavioral and psychophysiological measures of autonomic nervous system activity to assess speech understanding, cognitive effort, and stress in younger and older adults with and without hearing impairment under a range of listening conditions. Results of this research provide insight into the cognitive foundations of spoken language understanding, and contribute to research on improving workplace policies and design, particularly as related to better accommodating the needs of older workers and those with hearing impairment and/or noise sensitivity. Visit Dr. Francis' website for more information.

Positions Available:

Postdoctoral Position Available in Protein Engineering Optical Tools for Live-Cell Imaging

A postdoctoral position in protein engineering to develop novel genetically-encoded optical sensors or non-channel optogenetic actuators is currently available in the Tantama Lab at Purdue University (www.chem.purdue.edu/tantama). Our research group develops optical tools to study cellular stress and signaling in neurodegeneration using live-cell microscopy. The ideal candidate will have a track record of experience in one or more of the following areas: molecular biology, protein biochemistry, or live-cell fluorescence microscopy. We are particularly interested in candidates with expertise in experimental and computational protein science, but all highly-qualified candidates will be considered. Please send a single PDF containing a cover letter, full CV, and

contact information for three references to mtantama@purdue.edu. In the cover letter, briefly describe your previous training with a focus on how it is relevant to protein engineering and live-cell optical microscopy. Also, discuss how your personal research goals align with those of the Tantama Lab, and comment on the additional training you hope to gain through this experience. We are committed to excellence through diversity and encourage all highly-qualified individuals to apply.

Research Technician Position Available

A research technician position is available in the Tantama Lab at Purdue University (www.chem.purdue.edu/tantama). Our research group develops optical tools to study cellular stress and signaling in neurodegeneration using live-cell microscopy. Duties include but are not limited to assisting with rodent colony maintenance, cell culture, molecular biology, protein biochemistry, spectroscopy, and microscopy. The ideal candidate will have experience in at least one of these areas and a Bachelor of Science or equivalent degree. Please send a single PDF containing a cover letter, full CV, and contact information for three references to mtantama@purdue.edu. We are committed to excellence through diversity and encourage all highly-qualified individuals to apply.

Funding Opportunities:

NIH Career Development Awards:

NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (K01) Deadline: June 12

NINDS Advanced Postdoctoral Career Transition Award to Promote Diversity in Neuroscience Research (K22) Deadline: June 12

Competition is now open for HHMI Professors: http://www.hhmi.org/programs/hhmi-professors - Intent to apply is due July 1, 2016

NIH Impact of Aging in Human Cell Models of Alzheimer's Disease (R01) The goal of this FOA is to establish the impact of aging on the expression and/or modulation of AD pathological processes and to assess age-related AD genotype-phenotype relationships in human cell models. Research incorporating different brain cell types to promote neural circuit maturation and complexity in such cell models is expected to better recapitulate and give greater insight into AD pathological processes. Deadline: September 28.

NIH Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R01) This FOA invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. Deadline: October 5.

Limited Submission: *Searle Scholars Program* The Searle Scholars Program seeks to fund high risk, high reward projects from candidates in their first appointment as a tenure-track assistant professor beginning on or after July 1, 2015. Applicants should be pursuing independent research careers in biochemistry, cell biology, genetics, immunology, neuroscience, pharmacology, or related areas in chemistry, medicine, and the biological sciences. Those in other fields including engineering, physics, psychology, and nutritional science may be eligible provided the project has a strong life science focus (*see past awardees on the Searle website*). For this opportunity, Purdue is limited to ***one*** application.

Internal Deadlines:
Monday, June 13: A one-page summary of the candidate's research and a full CV should be submitted. *(Please indicate if you are competing for Pew, Searle, or both.)*
Monday, June 20: Rankings due to the EVPRP.

Sponsor Deadline: September 30

NSF Next Generation Networks for Neuroscience (NeuroNex) The goal of this solicitation is to foster the development and dissemination of: (1) innovative research resources, instrumentation, and neurotechnologies, and (2) theoretical frameworks for understanding brain function across organizational levels, scales of analysis, and/or a wider range of species, including humans. This interdisciplinary program is one element of NSF's broader effort directed at Understanding the Brain, a multi-year activity that includes NSF's participation in the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative and the phased approach to develop a national research infrastructure for neuroscience. Deadline: September 2 – LOI; October 21 – Full proposal.

Copyright © 2016 Purdue University Pillars of the Life Sciences, All rights reserved.
You are receiving this email if you are a member of our Integrative Neuroscience Center or you have expressed interest in the center.

Our mailing address is:
Purdue University Pillars of the Life Sciences
207 S. Martin Jischke Drive
Lafayette, IN 47907

Add us to your address book

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list