Message from the Director

We've had a bit of fun over the past two weeks. On March 3rd, the center hosted a graduate student & postdoc event aimed at bringing together students and postdocs in various research disciplines and programs that would not otherwise have an opportunity to interact. Despite some rainy/snowy weather, the event was well attended with over 70 students, postdocs, and faculty participating. While there were some enjoyable ice breakers (who knew so many people have been attacked by monkeys), there was an opportunity to hunt for individuals with expertise in the various areas of neuroscience the center was designed to support. If you were not in attendance, we announced the winners of the travel grant at the event. This cycle's winners are: Haigaung Wen (Zhongming Liu Lab), Aslihan Terzi (Suter Lab), Katie Scott (Fekete Lab), Jingyoung Lee (Freeman Lab), Sara Wirbisky (Freeman Lab), and Johnny Wise (Cannon Lab). One of our winners, Haiguang Wen, will be presenting at the upcoming Human Brain Mapping Conference in Geneva. His work was selected for both an oral and poster presentation, which is typically offered to the top 2% of all abstracts submitted to this conference. Additionally, Wen's abstract entitled "Decoding Human Brain Activity to Reconstruct Naturalistic Visual Experiences", was also awarded the Merit Award by the Organization of Human Brain Mapping. Congratulations, Haiguang!

- Donna Fekete, *Inaugural Director*

Featured Faculty Member:

Dr. A.J. Schwichtenberg joined the Purdue family at the start of 2013 as an assistant professor in Human Development & Family Studies. AJ's main research interests are developmental trajectories in early childhood, at risk development, developmental disabilities (e.g., Autism Spectrum Disorders), sleep health, and social-emotional development.

AJ did her postdoc at the M.I.N.D. Institute (Medical Investigation of Neurodevelopmental Disorders) at the University of California, Davis. The Autism Research Training Program (ARTP) provided a rich curriculum of developmentally-based training in epidemiology, genetics, brain development, neuroimaging, neurophysiology, neurotoxicology, immunology, and the early identification and treatment of ASD. Mentored by Sally Ozonoff, Ph.D., her ARTP research included applying her knowledge of early parent-child relations to children at risk for ASD (infant siblings of children with ASD) within an ongoing prospective longitudinal study.

Building on the wide breadth of training provided at the M.I.N.D. Institute, Dr. Schwichtenberg received a career transition award from the NIMH (K99/R00) which combined her interests in autism and sleep development. She would be interested in exploring collaborations related to infant neuroimaging, sleep, and autism. To learn more about Dr. Schwichtenberg, please visit her website.

Upcoming Events:

- The Integrative Neuroscience Center will have a station in Lyles-Porter Hall at this year's Spring Fest on April 16th.

- Save the date for our upcoming Traumatic Brain Injury Symposium on May 11th at the Burton D.

Morgan Center. Details will be forthcoming.

- Friday, May 13th, the 2016 Chicago Symposium on Translation Neuroscience will take place at the Kapp Center for Biomedical Discovery. For more information click here.

Funding Opportunities:

NIH Mechanistic Basis of Diffuse White Matter Disease in Vascular Contributions to Cognitive Impairment and Dementia (VCID)(R01) The purpose of this FOA is to support hypothesis-testing research to elucidate cellular and molecular mechanisms that underlie diffuse white matter disease of vascular origin including multifocal, small, and silent brain infarcts that may contribute to cognitive impairment and dementia. Deadline: April 19

Michael J. Fox Foundation The Michael J. Fox Foundation works tirelessly to accelerate promising research toward breakthroughs for Parkinson's patients. While our strong emphasis is on funding translational and clinical research, we also support high-risk/high-reward discovery work. Learn more about our priorities on our Research Strategy page.

In addition to funding, awardees benefit from working with our internal research staff and broad network of scientific and industry advisors.

Core funding programs: Target Advancement (novel targets, priority targets, lead pathway target), Therapeutic Development (disease-modifying, symptomatic, clinical ,and pre-clinical), and Outcome Measures (imaging agents, biomarker assay, clinical outcomes).

Pre-proposal deadline: May 18th, 2016

NIH Bioengineering Research Partnerships (U01) This FOA encourages bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. Awards will focus on supporting multidisciplinary teams that apply an integrative, quantitative bioengineering approach to developing technologies, and engage biomedical researchers or clinicians throughout the project. Deadline: May 18

We are actively seeking student volunteers for Spring Fest. Please email neuro@purdue.edu if you would like to participate, or if you have an idea you would like to see represented.

Postdoc Mini-Symposium:

The Integrative Neuroscience Center would love to se our Postdocs well represented at the 2016 Life Sciences Postdoc Mini-Symposium - details below.

The event will be Friday April 15, 2016 from 1-5 PM in MRGN

(1) Fill out the attached revised Abstract Form.
(2) Indicate on the Abstract Form your preference for poster only or poster and talk.
(3) Convert the Abstract Form to a single page PDF.
(4) Send your PDF to Kathy Anderson at kianders@purdue.edu by 5 PM Friday March 25, 2016.

A selection committee will review each abstract and make decisions regarding selection for oral presentations *vs.* poster presentations by Friday April 1, 2016.

Thank you for participating in this key event and for enhancing our overall postdoc program at Purdue.

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