This Wednesday! BBI FY17 Seed Grant Q&A - Event 1
The Brain and Behavior Initiative (BBI) will be announcing the next round of seed grants soon. Like last year, we hope to facilitate the development of proposals by holding Q&A presentation events. Our first event will follow Juan Uriagereka’s presentation in AV Williams, 1146.

Date: Wednesday, November 2, 2016
Time: 5 p.m.
Location: A.V Williams, 1146

News

"Insight Into Neural Language Enables Amputees to Discern Light Touch to Intense Pressure"
A new prosthetic system allows amputees to feel the same intensity of pressure on their prosthetic hand as they can feel with their natural hand.
Read More

"For the first time in humans, researchers use brain surface stimulation to provide 'touch' feedback"
Researchers at the National Science Foundation Center for Sensorimotor Neural Engineering have used direct stimulation of the human brain surface to provide basic sensory feedback through artificial electrical signals, enabling a patient to control movement while performing a simple task: opening and closing his hand.
Read More

'Mean girl' meerkats can make twice as much testosterone as males
Testosterone. It's often lauded as the hormone that makes males bigger, bolder, stronger. Now, researchers have identified one group of animals, the meerkats of Africa, in which females can produce even more testosterone than males -- the only animals known to have such a pattern. Female meerkats with high levels of testosterone-related hormones are more likely to be leaders, but they also pay a price for being macho, according to two new studies.
Read More

"The Revival of Brain PET"
A brain scanning technique invented nearly half a century ago gave researchers important insights into brain function, but was superseded in the early 1990s by a newer, more sophisticated method. Significant advances in recent years have, however, enabled researchers to visualize certain cellular and molecular processes in the living human brain for the very first time, leading to what might be called a revival of the old technique.

"For the first time in humans, researchers use brain surface stimulation to provide 'touch' feedback"
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"Transplanted embryonic neurons integrate into adult neocortical circuits"
Using chronic in vivo two-photon imaging, we show that embryonic neurons transplanted into the visual cortex of adult mice mature into bona fide pyramidal cells with selective pruning of basal dendrites, achieving adult-like densities of dendritic spines and axonal boutons within 4–8 weeks.

"A Biophysical Theory of Beta Waves"
A new theory from scientists at Brown University suggests that one type of oscillation, the beta wave, arises from the thalamus, the part of the brain that relays sensory information to the cortex, and in doing so, may help inhibit sensory and motor information processing.

"How Experience Shapes Adult Neurogenesis"
Interneurons and mature granule cells in the adult mouse brain are critical for newborn neurons’ responses to novel environments.

"Scientists propose neuroscience framework for diagnosing addictions"
Scientists at the National Institute on Alcohol Abuse and Alcoholism (NIAAA), part of the National Institutes of Health, propose using an assessment tool to diagnose addictive disorders that considers addiction-related behaviors, brain imaging, and genetic data.

**Events**

**Cognitive Science Colloquium**
Speaker: David Rand, Yale University
Title: Human cooperation
Date: November 3, 2016
Location: Bioscience Research Building, 1103
HESP Seminar
Speaker: Kostas Kokkinakis, University of Kansas
Title: Binaural perception in noise and reverberation with bilateral cochlear implant devices
Date: Wednesday, November 2, 2016
Time: 12:00 p.m.
Location: Lefrak Hall 2208

IAI Colloquium
Speaker: Dr. Juan Uriagereka, Department of Linguistics/Faculty member, Brain and Behavior Initiative
Title: On the algorithmic beauty of language
Date: Wednesday, November 2, 2016
Time: 4 p.m.
Location: A.V. Williams, 1146

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NACS Seminar
Speaker: Dr. Josh McDermott, Massachusetts Institute of Technology
Title: Computational Neuroimaging of Human Auditory Cortex
Date: November 4, 2016
Time: 10:15 a.m.
Location: Bioscience Research Building, 1103

Save the Date
BBI FY17 Seed Grant Q&A Events
The Brain and Behavior Initiative (BBI) will be announcing the next round of seed grants soon. Like last year, we hope to facilitate the development of proposals by holding Q&A presentations at two events.

November 2: ISR and BBI are sponsoring a presentation by Juan Uriagereka, "On the algorithmic beauty of language" from 4-5 PM in A.V. Williams, 1146. The BBI seed grant Q&A will follow from 5-7, with light refreshments.
November 29: BBI will host an event at the Maryland Neuroimaging Center that will include a tour of the facilities and a BBI seed grant Q&A from 4-6 PM. Light refreshments will be served.

**Funding Announcements**

View recent funding opportunity announcements

For more funding information, please visit the BBI funding page.

For more information about the Brain and Behavior Initiative, visit bbi.umd.edu.