Hi BB-ers,

The first Alumni event was a huge success. Thank you to our Alumni panel and BB Steering Committee!

Next week is the Thanksgiving break!! Take some time to relax, get outside and eat some good food. Remember – to be COVID safe!

November 16th – November 22nd

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<tr>
<th>ANOUNCEMENTS, NEWS AND OPPORTUNITIES</th>
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<tr>
<td><strong>UNDERGRADUATE RESEARCH SYMPOSIUM</strong></td>
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<td>On October 27th, we had another very successful virtual URS. A very special thank you once again to our URS Chairs, Yoona Cheong and Angel Lee, for putting together another phenomenal event.</td>
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<td>Please join me in congratulating Leigh Kinsler, a Behavioral Biology student, who gave a successful presentation and have now completed the presentation section of the honors requirement.</td>
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<td>Nice Job!!!</td>
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<td><strong>DAVID S. OLTON RESEARCH AWARD</strong></td>
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<td>Due to the uncertain nature of Spring research the Olton Research Award submission date has been moved to December 1, 2020. The application description has also been updated. If you have any questions contact Dr Bohn <a href="mailto:kbohn1@jhu.edu">kbohn1@jhu.edu</a></td>
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<td>Go to Research Grants &amp; Awards at: <a href="https://krieger.jhu.edu/behavioralbiology/current-students/funding/">https://krieger.jhu.edu/behavioralbiology/current-students/funding/</a></td>
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Are you curious about the exciting world of mouse cognition? I am a veterinarian studying the effects of early anesthetic exposure upon learning and memory. It is hypothesized that anesthetics given during neurodevelopment delays the expression of specific NMDA receptors that are required for synaptic pruning, which underlies aberrant growth of dendrites and subsequent learning and memory deficits. This aspect of the project (worth 2 credits) involves analyzing videos taken from two common animal behavior tests: the Open Field and the Novel Object Recognition Test. The Open Field measures normative behaviors (e.g. rearing, grooming, jumping, defecation) and exploration within the inner and outer parameters of the arena, which may suggest differences in anxiety between groups. The Novel Object Recognition Test is an assay of short term recognition memory, in which the difference in exploration between a familiar and novel object is determined. In addition to manually scoring the videos, you can learn how to organize and perform statistical analyses on these data in GraphPad Prism. There also remains the opportunity to complete further credits as data from additional groups or time points becomes available, or by assisting with analysis of the molecular component of this project (e.g. Sholl analysis with Golgi-stained mouse brains, and manual receptor counts from IHC / ICC of mouse / human-derived iPSC cerebral organoid stains), so to gain familiarity with the connection between behavior and molecular neuroscience. All work can be completed from the comfort of your home, on your own schedule. For more information, please contact Dr. Caroline Krall at ckrall2@jhmi.edu.

The Broad Summer Research Program (BSRP) offers students with a demonstrated commitment to promoting diversity and inclusion in STEM disciplines the opportunity to conduct intensive research in a collaborative community.

BSRP participants spend the summer performing original computational or experimental-based research in labs across the Broad Institute’s research areas, from cancer to infectious disease to...
computational biology. In addition, the program features a rich curriculum outside the lab that emphasizes career development, personal development, and teamwork in a small cohort.

Deadline: **January 11, 2021**

### BROAD BIOMEDICAL POSTBAC SCHOLARS PROGRAM

An innovative, two-year program, **BBPS** offers participants a comprehensive, structured and immersive experience that includes groundbreaking research and academic and career guidance. BBPS participants will carry out research as paid, full-time Associate Computational Biologists or Research Associates, working alongside leading scientists within the Broad Institute.

Eligibility - seniors or recent graduates who majored in the biological, physical or computer sciences, engineering or mathematics, and are interested in pursuing a graduate degree (M.S., Ph.D., M.D./Ph.D.)

Deadline: **January 18, 2021**

*For additional opportunities for Spring 2021 graduates visit our website, [https://www.broadinstitute.org/careers/recent-grads](https://www.broadinstitute.org/careers/recent-grads)*

### Interested in publishing your research?

The Hopkins Undergraduate Research Journal (HURJ) compiles STEM and humanities undergraduate research into a journal for faculty, staff and student to read. The journal helps to celebrate undergraduate work, which we find especially important given the current undergraduate climate. Please click this [link](https://www.broadinstitute.org/careers/recent-grads) to submit research.

The deadline for submission for the next journal is **December 1st**.

### EVENTS AND DUE DATES

**SPRING 2021 REGISTRATION ONGOING**

Undergraduate registration for Spring 2021 continues for the below students and opens at 7:00 a.m. on the following days:

- November 16th – Juniors
- November 18th – Sophomores
- November 20th – Freshmen
| LIFE DESIGN | How to Effectively Use LinkedIn (LDL-TV)  
Tuesday, 11/17 from 11am-12pm EST  
[https://jhu.joinhandshake.com/events/621895](https://jhu.joinhandshake.com/events/621895)  
Do you have a LinkedIn profile but you are not sure how to use it? No matter your background, major, or industry, LinkedIn can help level the playing field for all students. Join this session and learn how to enhance your personal brand, find jobs, and make connections using LinkedIn. |
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