Opportunities Week of April 19, 2019

**Medical and Health Profession School Fair:** Featuring admissions representatives from medical schools, dental schools, pharmacy schools, nursing programs, podiatry schools, PA program, OT program, respiratory care program, public health program and the other graduate health programs. Event will be held Friday, April 26th, 1:00-4:00 PM, SAC Ballroom B
For more info, see attached flyer

**Stony Brook Young Investigators Review Colloquium:** Stony Brook Young Investigators Review is holding its biannual colloquium (Scholars for Credit Event) this Wednesday 4/24 at 1:00 PM in the Student Activity Center Auditorium. We are proud to be hosting Dr. Christopher Rozell Ph.D. who is currently a Professor in Electrical and Computer Engineering at the Georgia Institute of Technology, where he previously held the Demetrius T. Paris Junior Professorship. His research interests live at the intersection of machine learning, signal processing, complex systems, computational neuroscience, and biotechnology. He will be discussing rapidly developing neuroengineering technologies that will dramatically increase our potential to build hybrid neuro-technology systems that may increase the effectiveness of scientific discovery and clinical therapies.
For more info, see attached flyer

**University at Buffalo Pharmacy Summer Institute:** The Pharmacy Summer Institute is an enrichment program providing information about the challenging career pathway opportunities in the profession of pharmacy and exposure to the fields of pharmacy practice and pharmaceutical sciences to interested and motivated high school and college students. This unique day camp experience incorporates active participation in a broad scope of learning experiences, including "hands-on" training in pharmacy practice skills, lectures by faculty and local Buffalo area alumni pharmacist practitioners and field trips. The program reviews pharmacy education opportunities and the pharmacy curriculum at SPPS as well as recommended high school preparatory and collegiate pre-pharmacy course work.
For more info, see [https://pharmacy.buffalo.edu/news-events/events/annual-events/pre-pharmacy-summer-camp.html](https://pharmacy.buffalo.edu/news-events/events/annual-events/pre-pharmacy-summer-camp.html)

**Stony Brook School Dual MSW/MPH Degree:** We are excited to announce that the School of Social Welfare and the Program in Public Health are now offering a dual MSW/MPH degree. Public health social work emphasizes prevention, health impact, population health, and health equity. This dual degree represents a commitment to combine expertise in two fields of study to educate the next generation of students to serve at the juncture of social work and public health. Students enrolled in this program will learn alongside students and faculty from a variety of health professions in Stony Brook University’s Health Sciences Center.
Applications are being accepted at this time for both the MSW and MPH programs for fall 2019 admission.
More information and applications at [https://socialwelfare.stonybrookmedicine.edu/academics/msw-mph](https://socialwelfare.stonybrookmedicine.edu/academics/msw-mph) and [https://publichealth.stonybrookmedicine.edu/academics/degreeoptions/grad/msw](https://publichealth.stonybrookmedicine.edu/academics/degreeoptions/grad/msw)
Stony Brook University
PreMed & PreDental Presents

Medical & Health Profession School Fair

Friday, April 26th, 2019
1:00PM - 4:00PM
Student Activities Center
Ballroom B

www.stonybrook.edu/prehealth

Featuring Admissions Representatives from: medical schools, dental schools, pharmacy schools, nursing programs, podiatry schools, PA program, OT program, respiratory care program, public health program and the other graduate health programs.

Sponsored by: Stony Brook Pre-Med Society
Dr. Christopher J. Rozell, Ph.D

Neuroengineering and AI: Opportunities and Challenges in a Future Blurring the Lines Between Mind and Machine

Wednesday, April 24 • 1 pm
Sidney Gelber Auditorium, Student Activities Center,
Free and open to the public • Seating is limited

New neuroengineering technologies are rapidly developing, dramatically increasing our potential to build hybrid neuro-technology systems that may dramatically increase the effectiveness of scientific discovery and clinical therapies. These hardware advances require parallel advances in the artificial intelligence algorithms governing how the technology interacts with the brain. What is science fact and what is science fiction? I will survey recent research building intelligent technologies that interface with neural systems to create novel cyborgs. Examples will include using brain stimulation to alter neural function for treating complex diseases, building robotic neuroscientists to advance science and the search for new therapies, and novel brain-machine interfaces that bypass the body so the mind can directly interact with the complex physical world. As the lines between mind and machine grow more blurry, we will also discuss a number of new questions this raises about what it means to be human and the resulting consequences for everything from medical ethics to our legal system.

To submit questions, email younginvestigators@gmail.com