Virtual Tutorial Fair: August 19th 7-8 PM ET

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- Meet each tutor.
- Ask them to tell you about their course.

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### The Neurobiology of Sleep and Its Role in Mental Health

#### Dr. Tony Cunningham
- Anxiety disorders and Posttraumatic Stress Disorder.
- My research seeks to discover ways in which poor sleep might contribute to the over 25 years.

#### Ed:
- Within cognitive neuroscience labs, treatments. In choosing to pursue clinical training populations and the development of new therapeutic knowledge of these systems can be applied to clinical research.

#### Sam:
- I am a postdoctoral researcher in Brad Lowell's lab at Beth Israel, where I study how neural circuits are involved in sleep disruption as both a result and potential guide appetites for specific nutrients.

#### Sofia:
- I am a postdoctoral researcher at BIDMC and Harvard Medical School. My primary research focus is understanding the role of sleep and sleep loss in emotion and memory processing, and how knowledge of these systems can be applied to clinical populations and the development of new therapeutic treatments. In choosing to pursue clinical training within cognitive neuroscience labs,

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### Neural Basis of Feeding Behavior

#### Dr. Ed Pace-Schott & Dr. Sam Walker
- We are what we eat - but how do we decide what, when, and how much to eat? In this course, we will explore how the brains of diverse species regulate feeding and associated behaviors. We will learn about principles of neural circuit organization, and the wide variety of cutting-edge techniques used by neuroscientists to investigate the brain and behavior, by discussing primary research in the neuroscience of feeding. In doing so, we will explore core neurobiological processes including reward, sensation, memory, decision-making, motivation, and more; and look at how these processes are altered in human diseases.

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### Neuroscience of Learning & Memory

#### Dr. Vincent Pham
- The brain’s ability to learn and form memories gives organisms the flexibility to alter their behaviors in changing environments beyond simple reflexes and stereotyped behaviors. This course will provide an overview of the molecular mechanisms at play underlying the fundamental processes of learning and memory.

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### Sex, Gender, and the Brain

#### Dr. Tari Tan
- Animals exhibit many innate, sex-typical behaviors that provide useful models to study the underlying neural circuits, and sex/gender differences in the nervous system also have important implications for human health. Through discussions, activities, and lectures, this course introduces students to various aspects of sexually dimorphic neural circuits across model organisms, while emphasizing critical thinking and effective science communication.

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### Making Sense of the Senses

#### Dr. Daan Wesselink
- Our brain is continuously bombarded with inputs from our senses, all of which need to be funneled through the primary sensory areas. These areas are not merely a first point of entry but already represent surprisingly complex aspects of the outside world. In this course, we will study how and why they are structured as they are. We will compare the variety of solutions brains have found for organizing sensory information and ultimately discuss what ideas and tools biologists have for understanding deeper areas in the brain.

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### Neural Basis of Feeding Behavior

#### Neuro 101L
- https://canvas.harvard.edu/courses/72250

#### Neuro 101O
- https://canvas.harvard.edu/courses/93398

#### Neuro 101Q
- https://canvas.harvard.edu/courses/93400

#### Neuro 101P
- https://canvas.harvard.edu/courses/93399
**Virtual Tutorial Fair: Enrollment**

*Email Ryan with any questions*

To Enroll in a Tutorial:

**Step 1.** Check out the courses
- Virtual Tutorial: Aug 19th 7-8 PM

**Step 2.** Enter your preferences online by **7:00 PM** ET on Monday of Course Preview Week (Aug 24):
- > 80% of students get their first choice. Enter 2-4 preferences to ensure you get a spot.
- I will run the sectioning algorithm at 7:01 PM ET and email you with your approved class.

**Step 3.** Add the Fall component (A) of your approved tutorial (e.g., Neuro 101BA) to your Crimson Cart. If you are approved for the class, you will be given permission to enroll.

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https://www.mcb.harvard.edu/undergraduate/neuroscience/neuro-courses/?course-button=tutorials