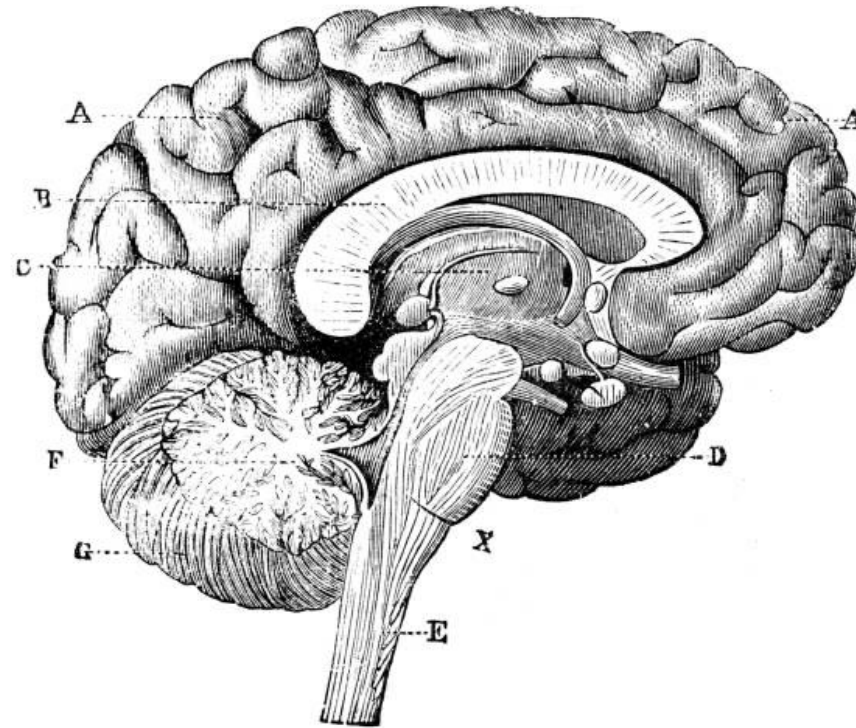


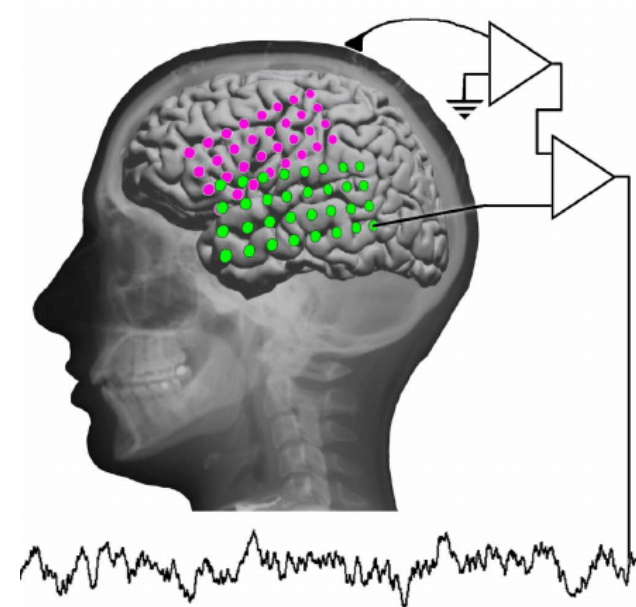
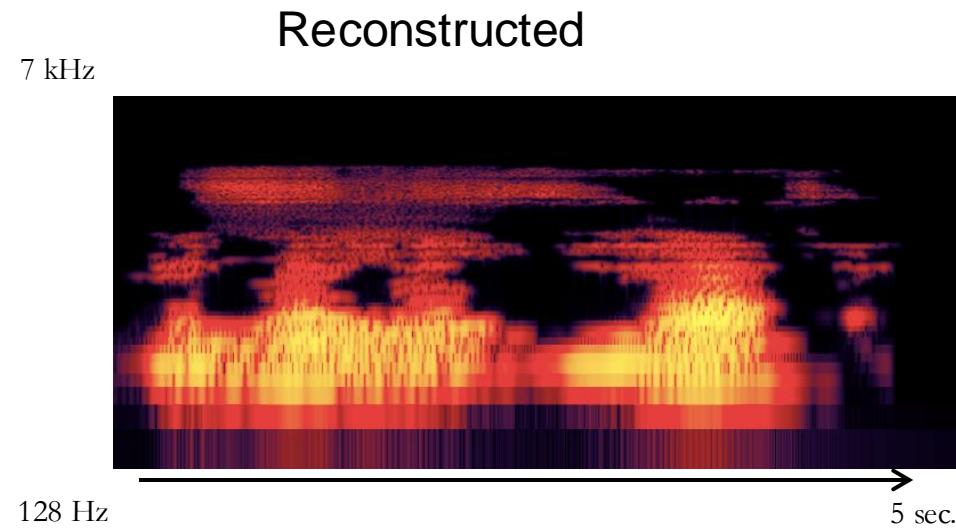
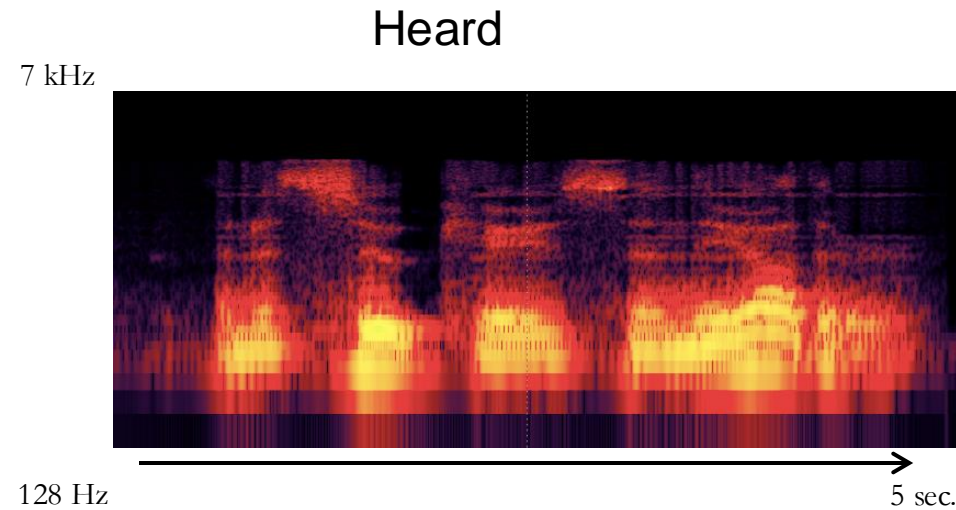
Welcome! And introduction



Introduction

- What will we learn?
- Who are we?
- How will we learn?

What will we learn?



From Robert Knight, UC Berkeley

What will we learn?

What cognitive neuroscience is!

- The scientific study of brain processes underlying human mental processes - *cognition*
- What is the relationship between these cognitive processes and the activity of brain networks and their hubs?

What will we learn?

- How to read and critically evaluate scientific literature
- How to understand and evaluate primary methods currently used to understand the relationship between the human mind and brain
- About some questions the field has addressed, and what the data (to date) tells us about the answers

Who are we?

Brandon Forys (he/him)

Instructor



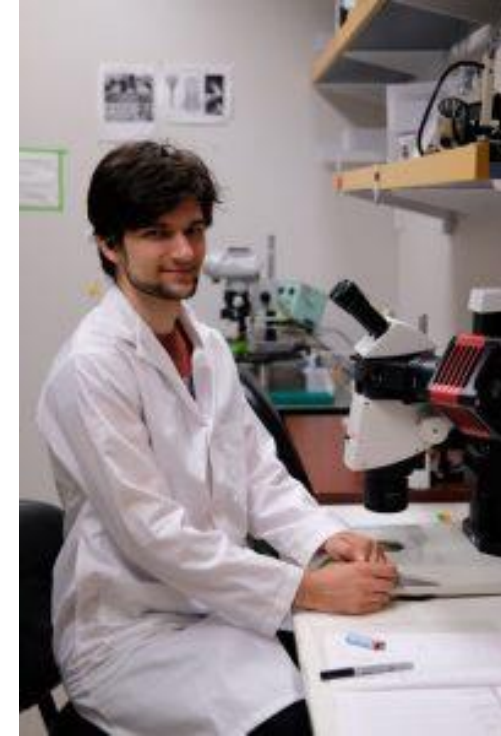
Jacob Gerlofs (he/him)

Teaching Assistant



Nikolas Kokan (he/him)

Teaching Assistant



Who are we?

Brandon Forys (he/him)

Instructor



- Intro: I'm a PhD student working with Dr. Rebecca Todd and Dr. Alan Kingstone.
- Interests:
 - How and when we deploy cognitive effort
 - Developing fMRI analysis methods
 - Open science
 - Outside the lab, I enjoy reading science fiction and fantasy, exploring bookstores, and travelling.

Who are we?

Jacob Gerlofs (he/him)

Teaching Assistant

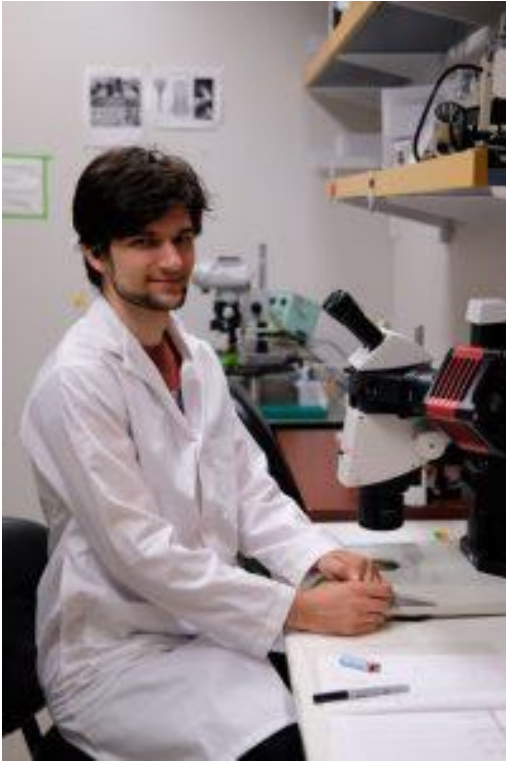


- Intro: PhD student working with Dr. Alan Kingstone. I study social cognition and attention.
- Interests:
 - How our cognitive/attentional systems operate in social environments.
 - Outside the lab, I enjoy travel, photography, karate, skiing, hiking, weight lifting, rock climbing, hockey, film, and salsa dancing.

Who are we?

Nikolas Kokan (he/him)

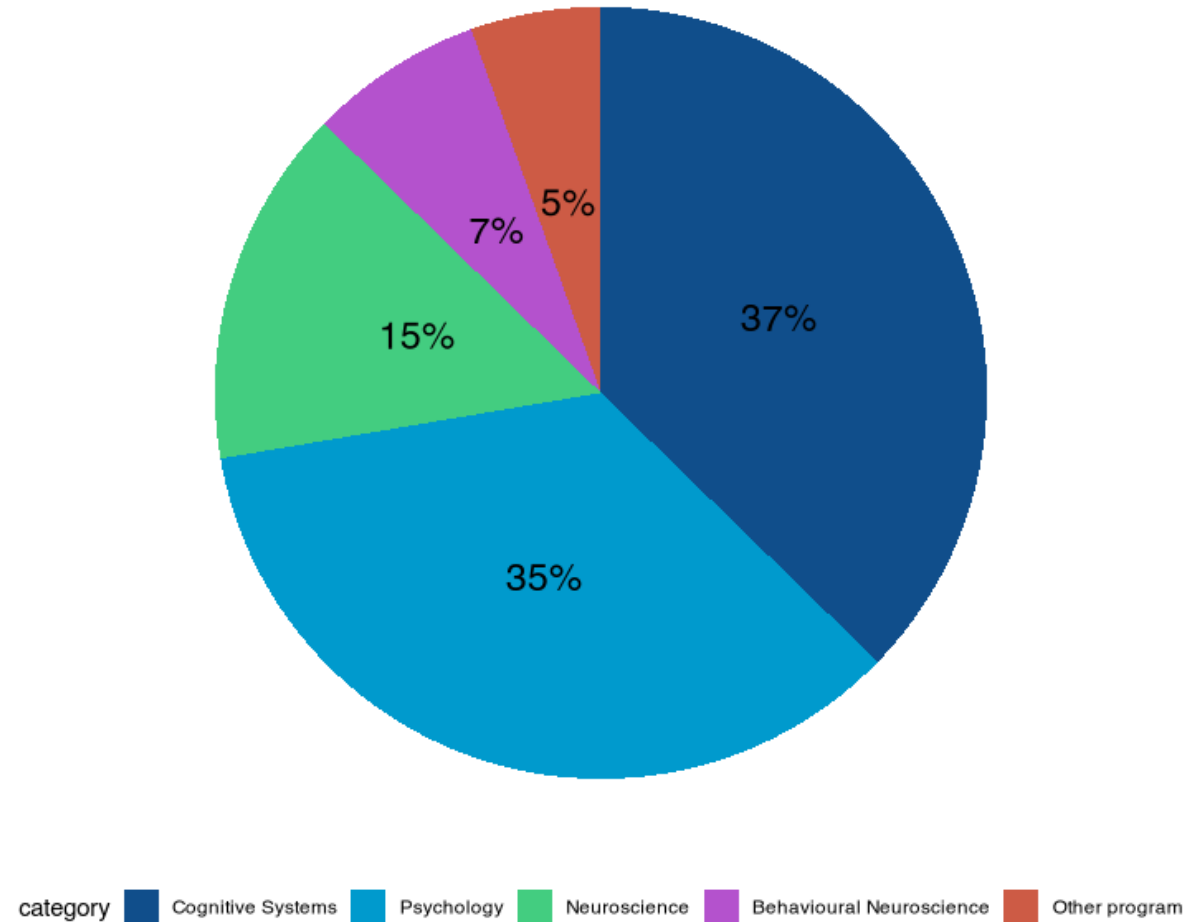
Teaching Assistant



- Intro: I am a fourth year PhD student studying the effect of timing on simple learning (habituation) in the microscopic round worm *C. elegans*.

Who are you?

Distribution of Programs of Study



What will we aim to do?

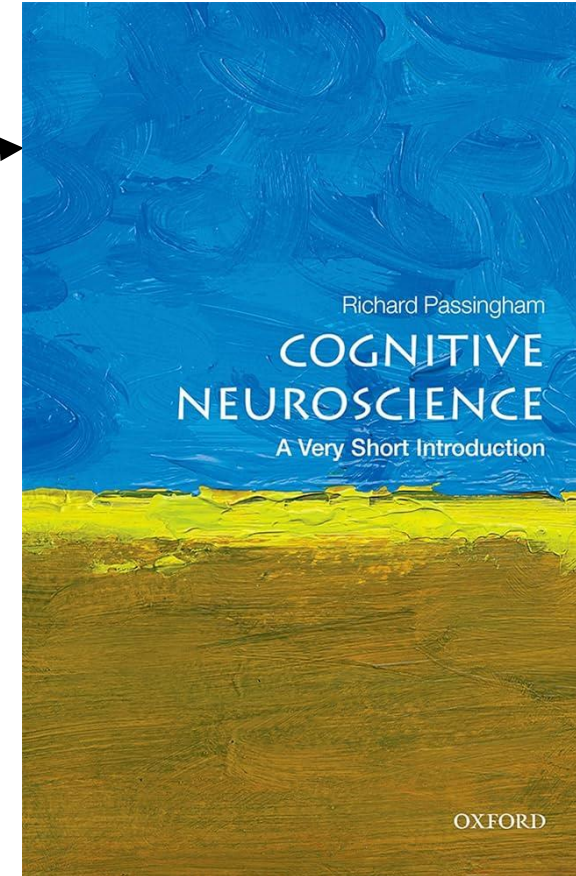
- Introduce
 - Questions that drive research in cognitive neuroscience
 - The main methods that we can use to answer them
- Teach you
 - How to read scientific papers
- Engage you in
 - Active and critical discussion of current research and controversies in the field

How will we learn?

- **Lectures and the textbook:**

Richard Passingham (2016). *Cognitive Neuroscience: A Very Short Introduction*.

- Oxford University Press. Available at the Bookstore and the library. Also available as an ebook!
 - ISBN: 9780198786221
 - Highly readable, offers background info
- **Scientific papers:** Posted on Canvas (Modules -> Course Readings)
 - I'll post tips on reading the papers
 - Read these tips – they'll help you do well on exams!



How will we learn?

Exams:

- **Neuroanatomy quizzes:** 2% of your grade
 - Online, based on Canvas module, multiple attempts
 - A primer on the brain's key structures – important to understand papers in this course!
- **3 midterms:** 20%, 30%, and 30% - the one you do worst on is weighted the least
 - All midterms are in person, pencil and paper
 - Based on in-class materials and assigned readings
 - Mixture of multiple choice and short answer

How will we learn?

Final presentation (15% total):

- Groups of 2 or 3 (with solo option)
- Choose a recent cognitive neuroscience paper (from list of approved journals) present the highlights
- Creative format encouraged! (podcast, video, artwork, poster, poetry)
- Last 2 weeks of class

Participation:

- Discussion question: due **March 15th**
- Multiple choice exam questions (yes, you get to make them!): Due 1 week before midterms 1 and 2

Extra credit!

- You can participate in psychology studies for up to **2** extra credit grade points via the Psych Department Human Subject Pool!
- You can also do a library report for those extra points
 - Details in syllabus

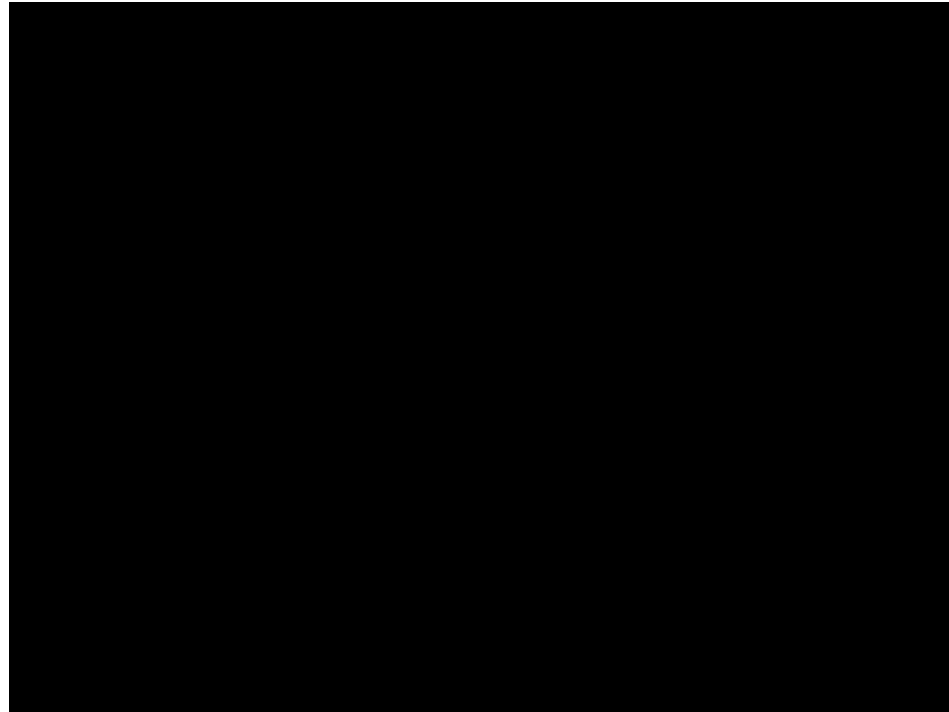
Support is available!

- At this link on the Canvas page for the course:



<https://psych.ubc.ca/undergraduate-wellbeing/>

Questions? *Anyone?*



See you next class!