Neuroscience Orientation 2020

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- Research
- Honors Program
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- Supplemental Instruction
- Career Pathways
Neuroscience Executive Committee

Program Directors
- Director – Prof. David McKemy
  - Professor of Biological Sciences
  - Head, Section of Neurobiology (mckemy@usc.edu)
- Deputy Director – Prof. John Monterosso
  - Associate Professor of Psychology (johnrmon@usc.edu)

Faculty Representatives
- Prof. Andrew Hires – Assistant Professor – Neurobiology
- Prof. Jonas Kaplan – Assistant Professor - Psychology

Academic Advisors
- Pablo Lopez (pablol@usc.edu)
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Student Representatives
- InterAxon: Shreya Harappanahally
- Synapse: Wendy Qi
- Nu Rho Psi: Vibha Kodancha
Three ways to “do” Neuroscience at USC

Bachelor of Science in Neuroscience
- Broad background in life sciences.
- Very solid preparation for advanced training in medical/health careers and graduate school.

Bachelor of Arts in Neuroscience
- More flexibility.
- You can go deeper into a particular sub-discipline
- Sample a wider array of advanced courses.

Bachelor of Science in Computational Neuroscience
- Simulation modeling, artificial intelligence/robotics, neuroinformatics (lots of coding!)
- Solid preparation for advanced training/careers in engineering, “big data” fields
Academic Advising

To make an advising appointment, visit:

Location: AHF 107
• 30 minute, 1-on-1 advising appointments
• Course recommendations
• Course Plans
• Lift Advising Holds
• Degree Audits
• Connect to Campus Resources
• “At Risk” Grade Outreach
• Academic Policy Navigation
Neuroscience Honors Program

The honors program can help you launch a career in research:

• Learn to prepare written and oral presentations
• Exposure to a broad range of neuroscience research

Requirements:

• NEUR 493 Honors Seminar (1 unit x 2 classes)
• NEUR 490 Research (4 total units)
• NEUR 494 Honors Thesis
• Submit thesis
• Graduate with GPA $\geq 3.5$
Research

- Neuroscience is a huge, incredibly active, field of research.

- Over 100 labs on campus are doing neuroscience research of one kind or another.

- Getting involved is easy, and has many benefits.

Locations & Departments:
- Neurobiology Section, Dept. of Biological Sciences
- Dept of Psychology
- Engineering
- School of Medicine
- Gerontology
Why get involved in research as an undergraduate?  
(When COVID19 restrictions end)

Be a part of something:
• Labs are small communities of students, technicians, and faculty members.

Learning experience:
• Develop “wet lab” and/or computational skills.
• Learn how to think like a scientist.
• Determine whether a career in research is for you.

Career development:
• Letters of recommendation.
• Honors.
• Publications.
How do I get involved in research as an undergraduate?

Find a lab that is doing work you’re interested in:
  • Talk to students who are already doing research.
  • Visit faculty/lab research pages.
  • Go to the Neuroscience Graduate Program Symposium and other events (we’ll remind you of them!)

Get involved:
  • Email the PI (Principle Investigator) of the lab you’re interested in. *Try to provide a sense of why you’re interested in their lab in particular.*
  • Treat your meeting with the PI like a job interview!

Get support ($$$):
  • Gateway/McNair, Provost’s Fellowship, Rose Hills, SURF/SOAR, WISE
Undergraduate Student Organizations

Synapse
InterAxon
Nu Rho Psi
USC SYNAPSE
Meetings:
Mondays 7-8pm via Zoom
For more info you can contact us at nurhopsi@usc.edu
Supplemental Instruction (SI) is an academic support program designed to improve the student's academic success and increase retention. The SI program targets traditionally difficult courses and provides regularly scheduled, peer-led study sessions. These sessions are available to all students enrolled in the class at no cost.

- BISC 121, 120, 220, 221, 320, 330
- CHEM 102, 105aL, 115aL, 105bL, 115bL, 322aL, 322bL, 350
- MATH 126, 226
- PHYS 134aL, 135bL, 151, 152
Career Pathways

Programs

In fulfilling our mission to align students' academic interests with individual career and professional pathways, we work in collaboration with faculty, Alumni, and campus partners, to offer four key programs that serve the USC Dornsife student body:

- **Gateway Internship Program**
- **Work-It Series**
- **Major 2 Career**
- **Sophomore Seminars**

More info at:

https://dornsife.usc.edu/careerpathways
Questions?
Welcome to USC Neuroscience!