COGNITIVE COMPUTATIONAL AND SYSTEMS NEUROSCIENCE PATHWAY
WASHINGTON UNIVERSITY IN ST. LOUIS
FY25 APPLICATION FOR GRADUATE FUNDING

The Cognitive, Computational and Systems Neuroscience Pathway (CCSN) is a specialized curriculum available to students pursuing a PhD in Neuroscience, Psychology and Brain Sciences, Biomedical Engineering, or other related PhD programs at Washington University in St. Louis (including students in the Medical Scientist Training Program). The CCSN Pathway is not a separate degree-granting program, and CCSN students must fulfill all the degree requirements of their home departments or programs.

The CCSN Pathway curriculum consists of three pre-requisite and two core courses:

Pre-requisites:
During their first two years, students take three introductory courses (in addition to program-specific requirements): Science of Behavior, Neural Systems, and Biological Neural Computation. These courses expose students to all three components of the pathway and serve as a critical foundation for the two core courses that come later in the pathway. In consultation with their advisor and the CCSN Directors, each student will develop a plan to complete the coursework in a manner that best suits his or her individual needs.

Core Courses:
After completing the prerequisite courses, students are eligible to enroll in the two CCSN core courses, which are typically taken in the third year (although again with flexibility dependent on individual student needs): CCSN Project Building (Fall) and Advanced CCSN (Spring). During the semester, each student develops a research project proposal in their chosen area of interest, in consultation with a faculty advisory committee, and supported by peer-mentoring. The culmination of this course is an NIH-style grant application that, for many students, will be submitted for a F31 NRSA pre-doctoral fellowship award and/or serve as a precursor to the thesis proposal. Advanced CCSN is a weekly seminar, paired with a semi-regular hands-on workshop series, that together provide students with advanced quantitative fluency, and an understanding of best practices and state-of-the-art in statistical methodologies and data science tools relevant for neuroscience research.

PLEASE CHECK WITH YOUR HOME PROGRAM OR DEPARTMENT PRIOR TO FILLING OUT THIS APPLICATION TO DETERMINE YOUR CURRENT FUNDING SOURCE.

Students who currently hold or have held a position on another NIH training grant (T-32) generally are not eligible for the CCSN NIH training grant. Should University funds be available, the Funding Committee may use them to support previous NIH trainees, but this is not typical.

Applicant Information:

Please fill in the information requested below:

Name: _____

Email Address: _____ Contact Phone Number: _____

Gender: _____ Citizenship/Residency Status: _____

Primary Degree Program: _____ PhD Advisor: _____

Please list final grades of all CCSN courses completed (mark 'current' for courses in progress):

Science of Behavior: ____ Neural Systems: ____ Biological Neural Computation: ____

CCSN Project Building: ____ Advanced CCSN: ____

Please list any other relevant courses and grades earned:

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Please indicate which (if any) of the following CCSN activities in which you have taken part:

Attended CCSN Lecture:_____ Met with CCSN Lecturer: _____

Attended CCSN Retreat: _____ Helped organize CCSN Retreat: _____

Other activities /contributions: _____

Please list any individual (e.g., federal or WashU fellowship) or institutional (e.g., a slot on an NIH training grant) support you currently receive, or support for which you have applied for funding for the upcoming school year.

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To the mentor and director of graduate study:

The student identified below has applied for funding to complete the CCSN Pathway, which is supported by the School of Arts & Sciences, the School of Engineering, the Medical School, the office of the Provost, and the McDonnell Center for Systems Neuroscience. Certification that the student is in good standing and in a position to take on this training program is required from the student's home department or program prior to admission. Please sign below to indicate that this is the case.

STUDENT	MENTOR	DIRECTOR OF GRADUATE STUDY
_____	_____	_____
Signature	Signature	Signature
_____	_____	_____
Name	Name	Name
_____	_____	_____
Date	Date	Date

Submit completed application form, essay, and transcript by Friday, April 12, 2024 to Carmen Horn at horn_c@wustl.edu.