

Postdoctoral fellows in computational neuroscience at the University of Chicago

The **Grossman Center for Quantitative Biology and Human Behavior** at the University of Chicago seeks outstanding **applicants for multiple postdoctoral positions in computational and theoretical neuroscience**. We especially welcome applicants who develop mathematical approaches, computational models and/or data analysis methods to study the brain at the circuits, systems, or cognitive levels. The Grossman Center faculty members to work with are: (informal enquiries are welcome)

- **Brent Doiron's** lab investigates how the cellular and synaptic circuitry of neuronal circuits supports the complex dynamics and computations that are routinely observed in the brain. (bdoiron@uchicago.edu).
- **Stephanie Palmer's** lab studies how the behavioral goals of an organism shape how it senses the world, using a variety of tools from information theory and statistical physics. (sepalmer@uchicago.edu).
- **Jorge Jaramillo's** lab investigates multiareal brain circuits underlying cognitive processes such as memory, attention, and decision making through dynamical systems modeling. (jorgejaramillo@uchicago.edu).
- **Ramon Nogueira's** lab investigates the geometry of representations as the computational support of cognitive processes like abstraction in noisy artificial and biological neural networks. (rnogueira@uchicago.edu).
- **Marcella Noorman's** lab studies how biological constraints shape the neural circuit dynamics that enable flexible, efficient computations necessary for cognitive functions like navigation. (noormanm@uchicago.edu).
- **Samuel Muscinelli's** lab studies how brain circuit anatomy shapes learning and adapts to it. We combine modeling, machine learning, and data analysis with experimental collaborators. (smuscinelli@uchicago.edu)

Appointees will have access to state-of-the-art facilities and multiple opportunities for **collaboration with exceptional experimental labs** within the Neuroscience Institute, as well as other labs from the departments of Physics, Computer Sciences, and Statistics.

The **Grossman Center offers competitive postdoctoral salaries in the vibrant and international city of Chicago**, and a rich intellectual environment that includes the [Argonne National Laboratory](#), Chicago's [National Institute for Theoretical and Mathematical Biology \(NITMB\)](#), and UChicago's [Data Science Institute](#) and [Center for Living Systems](#). The Neuroscience Institute at UChicago is currently engaged in a major expansion that includes the incorporation of several new faculty members in the next few years.

APPLICATIONS:

Please send your application **before April 4th, 2026**, as a single PDF file to neurotheory@uchicago.edu. It must include:

1. CV with publications highlighted;
2. A motivation letter specifying the types of projects you would like to work on;
3. The names and contact details of two academic references.

Earliest start date: June 1st, 2026, or via mutual agreement.