

Emory University invites applications for multiple theoretical and experimental [Postdoctoral Fellow positions](#) affiliated with the [Theory and Modeling of Living Systems \(TMLS\) Initiative](#). TMLS is an interdepartmental initiative connecting theorists and experimentalists who work on quantitative, model-driven understanding of biological phenomena across all scales and subfields of life sciences. Fellows will have a wide latitude to choose which experimental or theoretical problems to work on, while interacting closely with TMLS faculty. TMLS Core Faculty currently looking to interact with Fellows include Rustom Antia (theoretical immunology), Gordon Berman (animal behavior and computational neuroscience), David Civitello (host-pathogen interactions), Laura Finzi (single molecule biophysics and cell mechanics), Dieter Jaeger (computational neuroscience), Robert Liu (computational neuroethology), Minsu Kim (quantitative microbiology), Katia Koelle (viral dynamics), Ilya Nemenman (theoretical biophysics and computational neuroscience), Chethan Pandarinath (computational neuroscience), Astrid Prinz (computational neuroscience), Jennifer Rieser (organismal biophysics), Shashank Shekhar (single molecule biophysics and biochemistry), Samuel Sober (computational and systems neuroscience), Daniel Sussman (theory of living matter), Lena Ting (neuromechanics), Nic Vega (host-microbiome dynamics, and Daniel Weissman (evolutionary theory), amongst others. We expect that Fellows will work with one or multiple of these groups, building on the many existing interactions between them and taking advantage of the collaborative environment at Emory and the broader Atlanta research community to form new connections and research directions.

Emory University is one of the world's leading research universities, with top-ranked programs in Population Biology Ecology and Evolution, Computational Neuroscience, Biomedical Engineering, and Biophysics. The outstanding Emory School of Medicine, Rollins School of Public Health, and the nearby Georgia Institute of Technology provide ample opportunities for collaborations. The hired postdoctoral scientists will benefit from unique resources available at Emory, such as the Centers for Disease Control, adjacent to Emory Campus, and the Yerkes Primate Research Center. Emory is located in a green neighborhood in the heart of Atlanta, a major cultural center and transportation hub, which offers high quality of life.

Members of historically underrepresented groups are particularly encouraged to apply. Emory University is an AA/EEO employer.

**Qualifications:** A successful applicant will have a PhD and a strong publication record in quantitative biology, biophysics, computational neuroscience, or a related field. We are particularly interested in candidates with a track record of scientific creativity and independent thinking. Review of applications will begin immediately and will continue until the positions are filled. Appointments may start as early as is convenient for the candidate.

**Minimum Qualifications:** A doctoral degree or equivalent in an appropriate field. Excellent scientific writing ability and strong oral communication skills. The ability to work effectively and collegially with colleagues.

**Application Instructions:**

Please submit a Cover letter, CV, Statement of research experience and interests, and Contact information for 3 references here: <https://apply.interfolio.com/88768>