

Postdoctoral position available in the laboratory of Dr. Anna Francesconi in the Department of Neuroscience at the Albert Einstein College of Medicine, New York.

Metabotropic glutamate receptors are critical to formation and maintenance of brain circuitry and synaptic plasticity and their dysfunction is implicated in a range of neuropsychiatric conditions. Research in the laboratory focuses on understanding the cellular and molecular underpinnings of glutamate metabotropic functions in the brain, how signals downstream of metabotropic receptors are translated into functional and structural changes in synaptic connections, and how metabotropic signaling is orchestrated and spatially confined within neurons. We apply molecular, cellular, biochemical and imaging approaches to explore these questions and use transgenic mice to investigate the impact of metabotropic signaling on neuronal function in neurodevelopmental disorders.

The candidate is expected to engage in research investigating the mechanisms through which metabotropic signaling regulates neuronal proteostasis and its impact on dendritic spine remodeling in physiological conditions and mouse models of inherited neurodevelopmental disorders.

Candidates for the position must have:

- Ph.D. or M.D./Ph.D.
- Research experience in Neuroscience, Genetics, Biology, or Cell and Developmental Biology
- Demonstrated expertise in standard and advanced molecular cell biology techniques and microscopy. Applicants with experience using mouse models of human genetic disorders are strongly encouraged to apply.

Successful candidates will be highly motivated, have strong work ethics and ability to work independently.

Interested applicants should send CV, cover letter stating research interests and professional goals, and contact information for 3 references to Dr. Anna Francesconi (anna.francesconi@einstein.yu.edu)

The Albert Einstein College of Medicine is an Equal Opportunity/Affirmative Action Employer.