

January 21, 2020

Object: Postdoctoral position

## **Postdoctoral Position – Cortical Computations and Visual Perception**

A postdoctoral position funded by NIH is available starting September 1<sup>st</sup>, 2020 in the laboratory of Dr. Pierre-Olivier Polack at Rutgers, the State University of New Jersey (USA). Our laboratory investigates how **visual processing in the primary visual cortex (V1)** is modulated by behavioral states such as **attention and expectation**, and the impact of such modulations on **visual perception**. We use a wide range of **intracellular and extracellular electrophysiology as well as functional imaging techniques in mice performing behavioral tasks**. Our laboratory has a unique track-record in performing two-photon targeted whole-cell recordings, calcium imaging, voltage sensitive dye imaging, and optogenetics in awake behaving mice. More information is available on our website at [www.polacklab.org](http://www.polacklab.org).

The successful candidate should hold a Ph.D. in Neuroscience (or in a related field) and have demonstrated scientific productivity (i.e. first-author publications). Good knowledge of MATLAB or similar programming language is necessary. Prior experience in *in vivo* functional imaging or intracellular electrophysiology is a plus.

Candidates should apply by sending a CV, a brief outline of current research, scientific interests and career goals, as well as the name and contact details of at least two academic references to Dr. Pierre-Olivier Polack (polack.po@rutgers.edu).

The laboratory is hosted by the Center for Molecular and Behavioral Neuroscience (CMBN), a vibrant community of 15 PIs with overlapping interests in neurophysiology located in the campus of Rutgers in Newark, *20 minutes away from the heart of New York City using public transportation*.

Review of applications will begin immediately and will continue until the position is filled.