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<b>Job Title</b>	Postdoctoral Fellow
<b>PVN ID</b>	QC-2108-004149
<b>Category</b>	Research
<b>Location</b>	QUEENS COLLEGE
<b>Department</b>	Psychology
<b>Status</b>	Full Time
<b>Salary</b>	Depends on qualifications
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	Oct 06, 2021 (Or Until Filled)

## General Description

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The Beeler Lab is seeking a postdoctoral fellow (NIH funded) to work on projects using fiber photometry and optogenetics to examine striatal activity, including neuronal activity and dopamine and acetylcholine release, in awake-behaving mice in relation to eating behavior. The lab has funding to investigate both obesity-related behavior and anorexia nervosa in a mouse model. In addition to conducting independent research, the position will provide the opportunity to mentor Master's students in their thesis project(s) with a goal to publication, providing both mentoring experience and opportunity for authorship on additional publications through mentoring.

The Beeler lab studies dopamine and striatal circuit function. The lab makes extensive use of genetic mouse lines, both for tools (optogenetics, fiber photometry) and for experimental manipulations (e.g., selectively deleting D2 or other receptors). While the primary focus of the lab is studying behavior in awake-behaving animals, we also use patch-clamp slice electrophysiology and anesthetized fast-scan cyclic voltammetry. Our current patch-clamp efforts focus on silent synapses. There is currently an advanced postdoc in the lab and this would be a second postdoc position in lab.

Queens College is a moderate sized college in the Queens borough of New York City. Queens is a diverse, vibrant borough with affordable living options with easy access via public transport to both campus and Manhattan and Brooklyn. Queens College is a predominantly undergraduate institution that is research active and trains future scientists at all levels, undergraduate, Master's, doctoral and postdoctoral. In my lab, postdocs have the opportunity to work with students at all levels. Though not part of the postdoctoral position duties, teaching opportunities as an adjunct would be available for career development, if interested.

Completed PhD required. The ideal candidate will have prior experience in at least one physiological method, such as optogenetics, fiber photometry, electrophysiology or anatomy techniques and a willingness to learn and develop skills in other methods as appropriate to answer the question(s) at hand.

Send cover letter with research interests and career goals, along with CV, to Jeff Beeler at [jbeeler@qc.cuny.edu](mailto:jbeeler@qc.cuny.edu)

## Other Duties

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Research

Mentoring

## Qualifications

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Required: completed PhD in Neuroscience or related field

Preferred: prior experience with rodent models, ideally mouse, and at least one physiological methods, such as anatomical methods, electrophysiology, optogenetics, fiber photometry, fast-scan cyclic voltammetry, cannulation, self-administration.