



KNOEBEL INSTITUTE  
FOR HEALTHY AGING  
UNIVERSITY OF DENVER

## Postdoctoral Researcher, Knoebel Institute for Healthy Aging, Denver, CO, USA

### Position Summary

The Knoebel Institute for Healthy Aging has an exciting opportunity for a Postdoctoral Researcher to join Dr. Aurélie Ledreux's laboratory located at the University of Denver (DU) in Denver, CO. The Ledreux lab is looking for a motivated and technically gifted Postdoctoral fellow to play a key role in a project funded by an R01 from the National Institutes on Aging. The postdoctoral fellow is expecting to engage in studies investigating the noradrenergic dysfunction in Down syndrome, using intracranial administration of Designer Receptors (DREADDs) and exosomes. Preference will be given to individuals with previous experience in stereotactic surgery in mice.

### Essential Functions

- Play a key role in a funded R01 project: plan, design and conduct complex experiments, analyze data including statistics, write manuscripts for submission to peer-reviewed journals.
- Work closely with laboratory staff and faculty to coordinate and develop research studies.
- Routinely conduct surgery and behavioral testing on mice.
- Participate in ongoing lab projects as needed.

### Knowledge, Skills, and Abilities

- Excellent interpersonal skills.
- Ability to work in a professional manner as both a self-starter and a team member.
- Proficient in written and spoken English.
- Strong enthusiasm for science, with published scientific manuscripts and excellent writing skills.
- Experience with biochemical assays, western blots, immunohistochemistry and confocal microscopy are desired.
- Proficient in Microsoft Office, including Excel and Word, willing to work flexible hours, and willing to work as part of a team.
- Proficient with SPSS, JASP, GraphPad or similar statistical package.
- Must be willing to learn and use new processes, tools, and equipment.
- Must be able to drive and finish projects independently.

### Required Qualifications

- PhD in neuroscience, cell biology or biology related field.
- Skilled with mouse handling, behavioral studies and stereotactic surgery.

### Special Instructions

Candidates must submit their CV and cover letter online through [jobs.du.edu](https://jobs.du.edu) to be considered.

### Benefits

The salary for this position is \$51,000/annually.

The [University of Denver](https://www.du.edu) offers excellent benefits, including medical, dental, retirement, paid time off, tuition benefit and ECO pass. The University of Denver is a private institution that empowers students who want to make a difference.

### Contact

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