

Research associate-Fixed Term

The Neuroendocrinology and Circadian Rhythms Lab at MSU is recruiting motivated and skilled postdoc (Research Associate) interested in the neuroendocrine control of reproduction.

Research in the Hoffmann lab (<https://www.canr.msu.edu/hoffmann/research/>) is focused on understanding the molecular pathways and brain circuits regulating fertility and circadian rhythms. Using transgenic mouse models and *in vitro* cell culture, we are unraveling how impaired suprachiasmatic nucleus (SCN) function affects hormone release, behavior, and reproductive competence. The long-term goal is to identify novel drug targets for the treatment of infertility and disordered circadian rhythms.

The lab uses a wide range of transgenic mouse models, behavioral studies, hormone analysis, fresh tissue recordings, cell culture, histology, IHC, as well as molecular and genomic analysis tools.

Specific Position Duties

- Perform and develop experiments using advanced biomedical research techniques
- Writing scientific publications
- Present results at national and international scientific meetings
- Get trained in writing grant applications to major funding agencies
- Supervising students

Qualifications

Minimal requirements

- PhD in relevant scientific area (Neuroscience, Endocrinology, Biochemistry Molecular and Cellular Biology or other)
- Ability to work independently as well as in a group
- Excellent communication and organizational skills
- A strong work ethic and a commitment to significantly contribute to the advancement of the project
- Excellent skills in scientific writing

Proficiency in one or more of these fields is desirable, but not required: molecular biology (PCR, qPCR, RNA, cloning), optogenetics, stereotaxic injections, microscopy, mice (surgeries, behavioral studies), cell culture, circadian rhythms.

Eligibility

This position is initially for one year, renewable annually based on performance, for up to three years with a possibility of an extension based on the availability of funding. Salary will be based on NIH scale along with benefits according to the policies of Michigan State University.

How to apply: Application materials must be submitted electronically at <http://careers.msu.edu> and search for posting **#508478** using the Job Search field.

Application materials should include

- Cover letter
- 1 page description of research experience as well as qualifications and interest in this position
- CV including prior positions, publications and technical expertise
- Contact information of three references who may be contacted

For more information about this position, please contact Dr. Hanne Hoffmann hanne@msu.edu