

MASSACHUSETTS GENERAL HOSPITAL

Job Title: Research Technician I Job Family: Research
Job Code: 000319 Grade: 13 FLSA Status: Non-Exempt
Department: Neurology Reviewed By: HR

GENERAL SUMMARY/ OVERVIEW STATEMENT:

The position is for a research technician I in the laboratory of Assistant Professor Ksenia Kastanenka. The research technician will organize and conduct a variety of laboratory experiments and data analysis under the supervision of a mentor. Research in the Kastanenka laboratory is targeted toward understanding and treating Alzheimer's disease using state-of-the-art technology such as optogenetics and multiphoton microscopy. The ideal candidate will be thoughtful, enthusiastic, and motivated towards becoming an active team member.

Individuals from diverse backgrounds, including those from underrepresented populations as defined below are encouraged to apply:

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html>

PRINCIPAL DUTIES AND RESPONSIBILITIES:

The laboratory technician's primary duties will involve conducting brain surgeries on mice, brain tissue processing and staining for immunofluorescence microscopy. The successful candidate will be trained to acquire all the necessary skills, and no prior experience is expected. However, candidates with experience in rodent surgeries or immunofluorescence experiments are encouraged to apply.

In addition to the above-mentioned duties, the research technician responsibilities will include the following:

- Prepares basic solutions and performs base-level procedures as assigned (i.e. – pipetting, brain dissection, tissue processing, etc.)
- Maintains laboratory notebook
- Understands and applies basic scientific techniques
- Sets up and prepares routine experiments as directed
- Prepares lab reagents, chemicals, instruments and equipment
- May perform independent literature searches
- Assists with organizing materials for publication or presentation
- Maintains and orders supplies

SKILLS/ABILITIES/COMPETENCIES REQUIRED:

- Ability to work independently and as a team member
- Good communication skills
- Computer literacy
- Ability to perform multiple tasks independently
- Experience in rodent surgeries is preferred

EDUCATION:

Bachelor's degree required.

EXPERIENCE:

New graduates with some lab experience (via course work, internships, etc.) or those without any prior research experience will be considered for the Research Technician I position outlined above.

Those with a minimum of 1 year of **directly related** work experience will be considered for a Research Technician II position.

SUPERVISORY RESPONSIBILITY (if applicable):

None.

FISCAL RESPONSIBILITY (if applicable): Indicate financial "scope" information, i.e.: size of budget, volume, revenue, etc.; Indicate total physician/non-physician FTE scope

WORKING CONDITIONS: Describe the conditions in which the work is performed.

The Research Technician will be working in the lab of Professor Kastanenka. A desk (with a computer) as well as a working bench are provided to each member of the team. Access to all the equipment and resources of the Alzheimer's research unit will be given.

APPROVAL:

(NAME)

Ksenia Kastanenka Title: Assistant Professor Date: 01/04/2022

The above is intended to describe the general contents and requirements of work being performed by people assigned to this classification. It is not intended to be construed as an exhaustive statement of all duties, responsibilities or skills of personnel so classified.