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Developed by:JD
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Approved by:LK
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UNIVERSITY OF RHODE ISLAND
Position Description

TITLE: Lab Technician II (George and Anne Ryan Institute for Neuroscience)

DIVISION: Academic Affairs (George and Anne Ryan Institute for Neuroscience)

REPORTS TO: Hermann Professor of Neuroscience, George and Anne Ryan Institute for Neuroscience

GRADE: 11

SUPERVISES: Research Assistants, Support Staff, and Graduate and Undergraduate Students

BASIC FUNCTION:

Assist in the management and operation of the laboratory by ordering supplies, maintain laboratory equipment, and ensure efficient and safe laboratory operation, procure appropriate transgenic rodent specimens, efficiently manage rodent colony and set up appropriate breeding schemes for a variety of experimental procedures. Train graduate and undergraduate in lab procedures and pedagogy. Perform independent research work under the direction of the Principal Investigator. Assist postdoctoral fellows in performing routine and non-routine research work.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Independently organize and manage transgenic rodent colony including genotyping, setting up appropriate breeding schemes, records of experimental procedures approved by IACUC, and biological specimens collected.

Assist Principal Investigator and students in a variety of complex rodent behavioral assessment procedures.

Train and supervise graduate and undergraduate students whose duties involve the execution of a variety of research techniques for appropriate characterization and analysis of biological specimens.

Perform complex experiments involving DNA, RNA and protein on transgenic rodent tissue specimens under the review of Principal Investigator.

OTHER DUTIES AND RESPONSIBILITIES:

Perform additional duties as required.

LICENSES, TOOLS AND EQUIPMENT:

Personal computers, printers; word processing, database management and spreadsheet software; laboratory equipment.

ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

REQUIRED: Bachelor's degree in biology or related field; Minimum of two years of research work experience involving rodents; Demonstrated knowledge of neuroanatomy; Demonstrated experience with procedures routinely applied in performing experiments in rodent behavioral assessment; Demonstrated experience in biochemical and/or molecular biological laboratories (including, safety and disposal of biological and chemical wastes); Demonstrated knowledge of the operation, care and maintenance of a growing rodent colony; Demonstrated experience with laboratory equipment; Demonstrated ability to accurately follow detailed written and oral instructions; Demonstrated ability to plan experimental procedures; Demonstrated strong interpersonal and verbal communication skills; Demonstrated proficiency in written communication skills; and, Demonstrated ability to work with diverse groups/populations.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.