

BOSTON MEDICAL CENTER

Job Summary

JOB TITLE:	Research Technician II	DEPARTMENT:	Medicine, Ion Channel and Calcium Signaling Unit
CODE:	50103855	FLSA STATUS:	Nonexempt
REPORTS TO:	Principal Investigator	GRADE:	D09
SUPERVISES:	None	DATE REVISED:	05/05/10
LOCATION:	Evans Biomedical Research Center	UNIO STATUS:	Non-Union

APPROVALS			
DIRECTOR:		VP:	Peter Healy
		HR:	

POSITION SUMMARY:
The Research Technician is expected to provide advanced assistance with animals used for our study, including but not limited to full supervision and maintenance of the mice colonies, as well as provide reliable and timely assistance with different physiological and other advanced experimental approaches that are used in the lab. He/she is expected to provide reliable advanced assistance and work in close collaboration with the members of the lab, and under direct supervision of the Principal Investigator. Ability to maintaining short and long term objectives is essential. All results and/or difficulties should be reported to the Principal Investigator in a timely manner.

ESSENTIAL RESPONSIBILITIES / DUTIES:
<ol style="list-style-type: none">1. Advanced assistance with animals, which includes reliable record keeping, animal ordering and timely transfers, small surgeries and tissue preparation.2. Close supervising, monitoring and advanced analysis of the new colonies of mice, record keeping/updating, colony arrangement, breeding, monitoring of the litters, keeping track and analysis/identification of the patterns, basic and advanced phenotyping and other relative activities.3. Basic and advanced genotyping.4. Advanced timely record of all information regarding specific animals.5. In vivo studies of glucose levels, blood pressure, ECG, microcirculation, angiogenesis and other physiological parameters.6. Small surgeries, dissections, tissue isolation and analysis.7. Cell culture, transfections, sample preparations, Western blot and immunostaining.8. Assistance with advanced migration and angiogenesis studies, which include scratch test and migration assays on cultured cells, matrigel plugs and other techniques,9. The Research Technician must be able to perform advanced research experiments according to established protocols as well as help develop new techniques troubleshoot the methods and maintain laboratory equipment.10. Good memory, ability to multitask and reliably carry multiple responsibilities, is required for this position.11. Group work, good English language skills and ability to maintain clear, concise, accurate and legible records is required.12. The Research Technician will be required to present a weekly written report, and attend weekly Lab meetings.13. The Research Technician will be required to attend mandatory training such as Lab safety, Radiation Safety and LASC.14. Conforms to advanced lab and hospital standards of performance and conduct.15. Follows established hospital infection control and safety procedures.16. Perform other advanced duties as needed.

BOSTON MEDICAL CENTER

17. Provide timely and reliable assistance to PI and other members of the laboratory.

(The above statements in this job description are intended to depict the general nature and level of work assigned to the employee(s) in this job. The above is not intended to represent an exhaustive list of accountable duties and responsibilities required).

EDUCATION:

B.S. or B.A. in biology or equivalent, including program in laboratory sciences.

CERTIFICATES, LICENSES, REGISTRATIONS REQUIRED:

None

EXPERIENCE:

Previous lab experience and experience with mice colonies is desired.

KNOWLEDGE AND SKILLS:

Requires interpersonal skills sufficient to exchange information with Principal Investigator and other members of the laboratory

AGES OF POPULATION SERVED:

Employees in this position must be competent to provide care to the following age groups: Check all that apply:

<input type="checkbox"/> Neonatal: Birth to 1 month	<input type="checkbox"/> Infant: To 1 yrs	<input type="checkbox"/> Toddler: 1 to 3 yrs	<input type="checkbox"/> Pre-school: 3 – 6 yrs
<input type="checkbox"/> School age: 6 – 12 yrs	<input type="checkbox"/> Adolescent: 12 – 18 yrs	<input type="checkbox"/> Young Adult: 18 – 30 yrs	<input type="checkbox"/> Middle age: 30 – 60 yrs
<input type="checkbox"/> Elderly: 60 – over	X Not Applicable		

SPECIAL WORKING CONDITIONS (RESPONSIBLE FOR ON-CALL, 24 HR. COVERAGE, ETC.):

External and internal applicants, as well as position incumbents who become disabled as defined under the Americans With Disabilities Act, must be able to perform the essential job functions (as listed) either unaided or with the assistance of a reasonable accommodation to be determined by management on a case-by-case basis.

BOSTON MEDICAL CENTER

PHYSICAL AND ENVIRONMENTAL DEMANDS

This form is used to assist departments in identifying the physical and environmental demands of the position .

Physical Demands Without Accommodations	Hours at one time					Total Hours per day				
	0	<1/2	1/2-1	1-2	2-4	<1	1-2	2-4	4-6	6-8
Sitting					X				X	
Walking		X				X				
Standing					X				X	
Bending Neck					X				X	
Twisting Neck	X					X				
Bending Waist (Forward or sideways)					X			X		
Twisting Waist	X					X				
Squatting		X				X				
Climbing	X					X				
Kneeling		X				X				
Crawling	X					X				
Repetitive Movement: Hand										
<input type="checkbox"/> Simple grasping: 1 hand__ both__					X				X	
<input type="checkbox"/> Power grasping: 1 hand__ both__					X				X	
<input type="checkbox"/> Fine Manipulation: 1 hand__ both__					X				X	
<input type="checkbox"/> Pushing/Pulling: 1 hand__ both__				X			X			
Reaching above shoulder height		X				X				
Reaching below shoulder height		X				X				
Moving items weighing up to 10 lbs.		X				X				
Moving items weighing 11 – 25 lbs.	X					X				
Moving items weighing 26 – 50 lbs.	X					X				
Moving items weighing 51 – 75 lbs.	X					X				
Moving items weighing 76 – 100 lbs.	X					X				
Moving items weighing over 100 lbs.	X					X				

Environmental Demands (Check all that apply)

- X Extreme Cold (below 32 degrees) Source minus 80 freezer
- X Extreme Heat (above 100 degrees) Source autoclave, dishwasher
- X Noise (Need to shout to be heard) Source centrifuge
- ☐ Vibration Source _____
- X Exposure to dust, gas, fumes, steam, chemicals Source chemicals used to conduct experiments
- ☐ Work outdoors (no effective protection from weather)
- ☐ Work at heights (such as scaffolding or ladders)
- X Protective equipment required (Respirator, earplugs, mask, gloves, eyewear, etc) eyewear, gloves, lab coat
- ☐ Potential exposure to infectious diseases.
- ☐ None (Not substantially exposed to adverse environmental conditions).