



Job Description

Job Title:	Postdoc	Prepared by:	Coordinator of the Roseman Research Center
Location:	Henderson, NV	Reviewed by:	Director of HR
Unit:	Research Lab	Approved by:	Coordinator of the Roseman Research Center
Reports To:	Coordinator of the Roseman Research Center		
FLSA Status:	Exempt	Date:	1/17/2010

Summary

Roseman University of Health Sciences Research Center is seeking a Postdoc in the areas of molecular pharmacology, cell biology and molecular biology to work on projects related to identifying novel cell signaling pathways (especially novel protein kinases and protein phosphorylation sites) involved in the pathology of diabetes, obesity and Alzheimer's disease. The lab is equipped with state-of-the-art technology for ultrasensitive, highly-quantitative measurements of protein expression, subcellular localization, and protein phosphorylation using recently-developed capillary electrophoresis (NanoPro100)- and microscopy (4-photon/CARS microscopy)-based methodologies.

Responsibilities

- Performs experimental procedures from previously developed protocols
- Develops new assays
- Analyzes data utilizing Microsoft Word, Excel, PowerPoint and other graphing programs
- Maintains detailed records
- Performs experiments utilizing molecular pharmacology procedures such as nucleic acid extraction, PCR, RT-PCR, ELISA-based assays, capillary electrophoresis
- Performs experiments utilizing immunological procedures such as immunostaining and Western Blot techniques
- Composes manuscripts, grant applications and poster presentations
- Presents research findings at scientific meetings
- Other related duties, as assigned.

Skills

Individual must possess the knowledge and the following skills and abilities or be able to perform the essential functions of the job, with or without reasonable accommodation, using some other combination of skills and abilities.

- Knowledge of kinase biology, apoptosis, proliferation, adhesion
- Skilled in Microsoft Word, Excel, PowerPoint and other graphing programs

Education/Training

PhD degree from a respected university in a field of science and established laboratory research experience.

Experience

Experience with tissue culture is strongly preferred.

Work Conditions

- Work is primarily indoors, but requires the incumbent to be in an outdoor environment when traveling between Henderson campus buildings, off campus, and to Roseman University campuses and facilities located outside Henderson, NV.
- Performing duties and attending events outside the normally scheduled work hours occasionally occurs and is required.
- Traveling off-campus to a local, state, regional and/or national event, as well as travel to other Roseman University campuses or facilities (e.g. South Jordan, Utah) occurs occasionally and is required.
- Incumbent may be exposed to frequent noise caused by telephones, office machines, and nearby oral communications among University personnel and/or students.
- Any additional area-specific requirements

Required Physical Abilities

- Ability to bend, stoop, reach, stand, move from one area of the building to another on a regular basis, sit and use a computer for a long period of time,
- Manual and physical dexterity needed to operate a computer keyboard and handle paper documents.
- Sufficient near vision acuity to read information appearing on computer display screen, in hand-written forms, and printed on paper,
- Adequate hearing and verbal abilities to communicate effectively in person and by telephone.
- Ability to lift and carry a stack of forms and documents weighing up to 25 pounds.
- Any additional area-specific physical requirements.

I have read the above position description and have received a copy.

Employee Signature

Date