

**PRINCIPAL ADMINISTRATIVE
POSITION DESCRIPTION**

For the period December 1, 2019 to June 30, 2021

NAME: _____ FLSA STATUS _____

TITLE: Postdoctoral Associate

DEPARTMENT: Neuroscience Institute, Neurology, and the Center for Alzheimer's Disease and Related Disorders (CADRD)

POSITION FUNCTION

The Postdoctoral Associate will provide advanced independent and/or directed research to achieve the objectives for Dr. Hascup's awarded grants. The primary purpose of postdoctoral training is to develop new or advanced research skills, increase publication record, gain experience in scientific writing, presentation skills, and mentoring of graduate students. Dr. Hascup studies aging, Alzheimer's disease, and related disorders in rodent models using various behavioral testing, *in vivo* electrochemistry, immunohistochemistry and various cellular and molecular techniques.

ORGANIZATIONAL RELATIONSHIPS

This position will report to the Erin R. Hascup, Ph.D. who in turn reports to the Director of CADRD, who in turn reports to the Chair of Neurology, who in turn reports to the Dean and Provost of the School of Medicine.

DUTIES AND RESPONSIBILITIES

The following information is intended to be representative of the work performed by incumbent in this position and is not all-inclusive. The omission of a specific duty or responsibility will not preclude it from the position if the work is similar, related, or a logical extension of position responsibilities.

Demonstrates, by actions, commitment to the mission and the behavioral standards of SIU School of Medicine. Provides excellent service to both internal and external customers through collaboration and partnership; compassion and respect; integrity and accountability; diversity and inclusion; as well as continuous learning and improvement.

- | | |
|---|-----|
| I. Administration | 0% |
| II. Teaching | 5% |
| • Supervise, assist, and train other lab members | |
| III. Research | 95% |
| • Design and develop project(s) | |
| • Perform technical experiments | |
| ○ <i>In vivo</i> electrochemical recordings in rodents | |
| ○ Behavioral testing such as Morris water maze and novel object recognition | |

- Brain slicing/dissection
- Immunostaining,
- Confocal microscopy
- Real time qPCR
- Western blot
- ELISA
- Cell culture
- Stereotaxic surgery
- Perform data analysis
- Write manuscripts
- Present data at lab meetings and national or international scientific meetings

IV. Service

0%

AUTHORITY AND RESPONSIBILITY

- This position will report to Erin R. Hascup, PhD and may supervise undergraduate, graduate, and/or medical students.

MINIMUM QUALIFICATIONS

- PhD in neuroscience or a related research field
- Sensitive to the needs of underrepresented minority populations

DESIRED QUALIFICATIONS

- Preference will be given to applications with experience in rodent behavioral paradigms, stereotaxic surgery, molecular biology, or research related to cellular senescence.

ENVIRONMENTAL, HEALTH AND SAFETY RESPONSIBILITIES

- Participates in meetings, trainings and other environmental, health and safety activities as required by SIU School of Medicine.
- May occasionally travel to present research findings at local, national, or international conferences.
- May work occasional nights and weekends.

WORKING CONDITIONS/PHYSICAL DEMANDS

See attached Physical and Environmental Requirements form.

Incumbent

Date

PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

SIU SCHOOL OF MEDICINE

Incumbent: _____ Classification: Postdoctoral Associate
 Position No. (if applicable): _____ Department: Neuroscience Institute-SMS

WORK ENVIRONMENT: (Check all applicable environments)

<input checked="" type="checkbox"/> Office	<input type="checkbox"/> Hospital
<input type="checkbox"/> Clinic	<input type="checkbox"/> Warehouse
<input checked="" type="checkbox"/> Research Laboratory	<input type="checkbox"/> Outdoors
<input type="checkbox"/> Other (Be Specific): _____	

PHYSICAL DEMANDS:	Seldom <small>(Performed rarely less than 2% of the time)</small>	Occasionally <small>(Performed less than 25% of the time)</small>	Frequently <small>(Performed 26% to 50% of the time)</small>	Constantly <small>(Performed 51% or most of the time)</small>	N/A
<small>(Indicate frequency of activity during performance of position duties)</small>					

(Click on the Physical Demands Definitions button at the bottom of the form for a list of physical demands definitions)

Reading	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Speaking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Close visual acuity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Travel	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hearing - Conversation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Hearing - Other Sounds	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stooping	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Squatting	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gross hand manipulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Fine hand manipulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Working in dust, fumes, gases, or irritants	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working at heights	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working in extreme cold, heat and/or humidity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Working in close quarters	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climbing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Operating motor vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Sitting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standing	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working above shoulder level	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Twisting	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kneeling	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pushing or pulling		20 - 40 lbs.			<input type="radio"/>
Carrying		20 - 40 lbs.			<input type="radio"/>
Lifting		20 - 40 lbs.			<input type="radio"/>
Other (Please list): _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

I affirm the environmental and physical demands listed on this form are an accurate reflection of the requirements of this position to the best of my knowledge and belief.

I have read, understand and am capable of meeting the physical and environmental demands of this position.

Erin R. Hascup, Ph.D.

Supervisor Signature

Date

Supervisor Name

Employee Signature

Date