

Department: Biology

Working Title: Research Assistant 1 (RA1)

Classification: **Graduate Assistant**

Number of Openings: 2

Pay Rate: \$3091 @14% time base for approx 16 weeks (1 semester)

Appointment: M-F, 7 hours/week

Expected Dates of Employment: 08/20/2024-12/13/2024

Deadline to Apply: 8/1/2024

Requisition #: BIO_GA_2325_2

DUTIES OF THE POSITION

This is a laboratory-based position in a group focused on basic biomedical science research investigating fundamental questions in cellular biology. The RA I will support the research of the laboratory by performing experiments aimed at understanding mechanisms of chromosome dynamics using primary human cells as models to understand human disease processes.

The SRA I will support the research of the laboratory by conducting experiments using routine molecular biology and biochemistry procedures such as probe preparation for in situ hybridization and in situ hybridization, immunofluorescence, cell culture, transfections, etc. The individual will also oversee general upkeep and maintenance of the laboratory which include placing weekly orders of requested laboratory reagents, and monthly make up of common stock solutions. Occasional cataloging of chromosome paint probe, plasmid, cell, and antibody stock inventory may be needed.

In addition the individual may assist in preparation of scientific manuscripts based on experiments performed and is highly encouraged to participate/present in laboratory meetings/discussions.

MINIMUM QUALIFICATIONS

Knowledge of the subject matter of the discipline in which assigned. Ability to relate well to others within the academic environment; ability to supervise, assist and train students; and ability to assist faculty in the conduct of special projects or research within the discipline. For initial appointment, evidence of satisfactory achievement in previous academic work; for the subsequent appointments, evidence of satisfactory progress toward completion of degree. Education equivalent to completion of the requirements for a bachelor's degree and registration in a University graduate degree program; students enrolled in credential programs are not eligible for this position. NOTE: Exceptions to the minimum eligibility qualifications may be granted at the sole discretion of the University.

HIRING CRITERIA

Candidates need a BA/BS in molecular cell biology, developmental biology, biochemistry, bioengineering, biophysics, or related field and knowledge of, or experience with the basic techniques required by the position or equivalent combination of education and experience. Candidates must have the required Knowledge, Skills, and Abilities:

	Re- quired	Pre- ferred
Ability to follow protocols exactly, communicate with supervisor effectively regarding work details and work with attention to detail.	X	
Demonstrated ability to work in a team and independently and take initiative in solving problems; communication and organizational skills; attention to detail; ability to multitask effectively; excellent demonstrated record of attendance and punctuality; ability to adhere to all campus safety policies.	X	
Experience in a bench laboratory with experience in basic laboratory procedures such as weighing, pipetting, culturing cells, doing basic protein assays as acquired in school.	X	
Ability to perform cell culture techniques	X	
Ability to perform molecular biology experiments including: Chromosome painting, Immunofluorescence, DNA/RNA purification, and standard molecular biology methods.	X	
Ability to successfully use the confocal microscope to visualize fixed samples, and perform data analysis on Imaris software	X	

HOW TO APPLY

Applications can be directly sent to Dr. Lisa Hua (hual@sonoma.edu).

HIRING NOTIFICATION

All applicants will be notified via email of their application status as soon as hiring decisions are finalized.

SUPERVISOR

Dr. Lisa Hua

OTHER INFORMATION

- The classification, Graduate Assistant, is one of three classifications in a collective bargaining unit, Unit 11. The Graduate Assistant classification provides currently enrolled or admitted University graduate students the opportunity to assist faculty or teaching staff by performing various professional and technical duties associated generally with the subjects or program which the Graduate Assistant is doing graduate work.
- Sonoma State University hires only individuals lawfully authorized to work in the United States. All offers of employment are contingent upon presentation of documents demonstrating the appointee's identity and eligibility to work, in accordance with the provisions of the Immigration Reform and Control Act.
- The university is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.
- This position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.
- Successful candidates may be required to do a background check (including a criminal records check) before work in the position can begin.



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