Sensing and Assembly Based on Non-covalent Interactions

2023 Summer Research Experience for Undergraduates (REU)

Chemistry and Biochemistry
The University of Southern Mississippi

Funded by NSF, this "Sensing and Assembly Based on Non-covalent Interactions" program will provide the participating REU students an extensive 9-week Chemistry and Biochemistry summer research experience (May 29 – July 28, 2023) at The University of Southern Mississippi (USM). This program will also provide professional trainings and workshops.

Main research thrusts:

- Assembly of macromolecules and proteins
- Ultra-sensitive and quantitative detection
- Asymmetric synthesis of bioactive molecules and their applications in biochemistry

Benefits:

- $5,500 stipend
- On-campus housing provided
- Travel assistance (up to $500 reimbursement)
- Opportunity for additional travel awards to present summer research at a national conference.

To apply or for more information, please visit:
https://www.usm.edu/mathematics-natural-sciences/chem_reu.php
Application deadline: March 1st, 2023

Chemistry and Biochemistry, The University of Southern Mississippi
430 Bobby Chain Tech Building, Hattiesburg, MS 39406
Program director: Dr. Song Guo, *song.guo@usm.edu*

From: Song Guo <Song.Guo@usm.edu>
Sent: Wednesday, February 1, 2023 3:00 PM
Subject: 2023 USM Chem and Biochem REU program

Dear Colleagues,
Please help us spread the word about our REU program.

Our "Sensing and assembly based on non-covalent interactions" REU program funded by NSF is currently seeking applications from students that are interested in conducting research during the summer. This program will provide the participating REU students an extensive 9-week summer Chemistry and Biochemistry research experience (May 29 – July 28, 2023) at The University of Southern Mississippi (USM). This program will also provide professional trainings and workshops and conclude with a research symposium. The application deadline is **March 1, 2023.**

Benefits:
• $5,500 stipend.
• Housing in USM dormitory provided.
• Up to $500 travel assistance will be available to help defray the cost of traveling to Hattiesburg.

Who should apply:
• Participants must be U.S. citizens or permanent residents.
• Current undergraduate students who have completed at least their freshman year but have not graduated, majoring in chemistry, biochemistry, or a related field.
• Strong academic record with a desire to conduct research; GPA > 2.75.
• Students from underrepresented groups in STEM (women, NSF-defined underrepresented minorities, and persons with disabilities) and students from community colleges or other academic institutions with limited research opportunities, are especially encouraged to apply.

For more information and application details, please visit:
https://www.usm.edu/mathematics-natural-sciences/chem_reu.php

Feel free to contact me at song.guo@usm.edu if you have any questions.

Sincerely,
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