

# LSAMP Meeting

February 8, 2018

# LSAMP Meetings: Spring 2018

- February 8, 2018
  - March 8, 2018
  - April 12, 2018
  - May 3, 2018
- 
- All Meetings are on Thursdays
  - Time: 5:30-7:00 p.m.
  - Location: South Dining Hall

# Tonight

- Opportunities
- LSAMP Reminders
- Student Research Intern Presentation
  - **Jonathan Daniel**
- How to be a Successful Applicant for Grad School and Summer Internships
  - **Iqbal Atwal** – STEM Success Grant

# Opportunities

- Chemistry Career Club: Fridays at 2 pm
- SERSCA Travel Funds: apply now
- McNair Program Accepting Applications: apply now
- Summer Internship Time: [pathwaystoscience.org](http://pathwaystoscience.org)
- Indiana University Get to Know You: Feb 16<sup>th</sup> deadline
- CSU-LSAMP Costa Rica: Feb 20<sup>th</sup> Deadline
- MACES: Feb 28<sup>th</sup> Deadline
- CCMB: Feb 28<sup>th</sup> Deadline
- NIU Chem and Bio Chem REU: Feb 28<sup>th</sup> Deadline
- California Forum on Diversity in Graduate Education
- Student Research Competition
- College of Science Poster Celebration - May

# GETTING YOU INTO IU

*Save the Date*

Event Dates: April 8-10, 2018  
Application Deadline: February 16, 2018  
Location: Bloomington, Indiana



## Recruitment Program Details

Indiana University is committed to enhancing the diversity of its graduate programs. To achieve that goal, Indiana University's University Graduate School has developed the Getting You into Indiana University (GU2IU) Recruitment program.

The GU2IU program is designed to offer prospective Ph.D. and M.F.A. applicants from populations underrepresented in higher education a chance to visit Indiana University before submitting an application for graduate study. GU2IU applicants should submit the required materials noted below.

### A complete application for GU2IU includes:

- A completed application [CLICK HERE](#)
  - A copy of current transcripts (unofficial)
  - An academic CV/resume
  - GRE Scores (if available)
  - A personal statement of interest that includes past research projects or creative activity (no more than 500 words)
  - Names of three Indiana University faculty members you would like to meet
  - One recommendation letter from a faculty member/mentor [CLICK HERE](#)
- \* Faculty recommendation is strongly encouraged but not required

### Application Deadline is February 16, 2018.

<http://graduate.indiana.edu/about/diversity/visit-iu.shtml>

Updated application posted in December

### Questions

Contact: Dr. Bianca Evans  
Assistant Dean, Diversity and Inclusion  
Email: [agep@iu.edu](mailto:agep@iu.edu)



**INDIANA UNIVERSITY**  
THE UNIVERSITY GRADUATE SCHOOL

### GU2IU visitors will:

- Visit highly ranked programs
- Meet with leading faculty in your area of interest
- Network with current graduate students
- Tour campus and relevant laboratories and research centers
- Attend workshops on strategies for submitting a competitive application

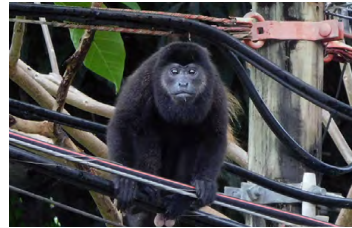
### GU2IU provides:

- Travel to campus
- Lodging and meals at IMU Biddle Hotel located on campus
- Graduate application fee waiver

### Selection Criteria

- This program is limited to 30 students for Spring 2018
- Preference will be for junior, senior, post-baccalaureate, or master level students

CSUMB & LSAMP PRESENT



# Costa Rica Summer Research Training Expedition

PARTICIPANTS ARE SELECTED BASED ON THE APPLICATION QUESTIONNAIRE, REFERENCES, TRANSCRIPTS, AND INTERVIEW. FULL SCHOLARSHIPS AVAILABLE TO LSAMP PARTICIPANTS.

BE PART OF A  
HANDS-ON EXCURSION  
WHERE YOU WILL  
LEARN THE  
FOUNDATIONS OF  
EXPERIMENTAL DESIGN,  
RESEARCH METHODS,  
AND ANALYSIS WHILE  
EXPLORING COSTA  
RICA'S SPECTACULAR  
TROPICAL ECOSYSTEMS.

[CSUMB.EDU/UROC/COSTA-RICA-EXPEDITION](http://CSUMB.EDU/UROC/COSTA-RICA-EXPEDITION)



*Application Deadline*  
**FEB 20<sup>TH</sup>**



For  
application  
access and  
more  
information  
visit:  
[CSUMB.EDU/  
UROC/  
COSTA-  
RICA-  
EXPEDITION](http://CSUMB.EDU/UROC/COSTA-RICA-EXPEDITION)



FOR MORE  
INFORMATION  
CONTACT  
DIANA &  
MILTON  
LIEBERMAN  
[DLIEBERMAN@  
CSUMB.EDU](mailto:DLIEBERMAN@CSUMB.EDU)

*Depart*  
**JUNE 18**  
*Return*  
**JULY 23**



<http://maces.ucmerced.edu/>



**Merced Nanomaterials Center for  
Energy and Sensing (MACES)  
Undergraduate Research Fellowship, UC Merced  
Summer 2018**

<http://maces.ucmerced.edu/summer-undergraduate-research-program>

**Stipend/Duration:** \$3,200; June 3 – August 3, 2018; \$400 housing allowance when applicable

**Eligibility:** Full-time undergraduate students with at least two semesters of college experience (GPA 3.0 or above); US citizen or permanent resident status

**Benefits:**

- Research-related experience in the areas of chemistry, physics, materials science and engineering
- Experimental learning and hands-on training on cutting edge research instrumentation
- Research and academic guidance and mentoring from MACES faculty (<http://maces.ucmerced.edu/team>) and graduate students.
- Professional development opportunities via participation in monthly workshops

**Application Deadline:** February 28, 2018

**Application Submission:** <https://tinyurl.com/yc25xq8z>

**Contact Info:**

Petia Gueorguieva, [pgueorguieva@ucmerced.edu](mailto:pgueorguieva@ucmerced.edu)



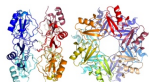
**NSF-CREST Center for  
Cellular and Biomolecular Machines (CCBM)**  
**CCBM Summer Internship Program (C-SIP)**  
**9-Week Undergraduate Research Fellowship**  
University of California, Merced  
June 3 – August 3, 2018



**Program Benefits:**

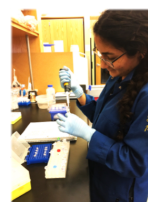
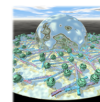
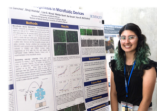
- Research experience in biophysics, biochemistry & bioengineering
- Experimental learning & hands-on training on cutting edge research instrumentation
- Research & academic guidance and mentoring from CCBM faculty & graduate students
- Professional development, networking, & social activities

- Free room and board provided on UC Merced campus as needed
  - \$3,000 additional stipend
- \$500 in expenses for off-campus participants



**Application Deadline: February 28, 2018**

Applications are semi-rolling and will be reviewed before deadline; applications may be considered after this date, if space permits.



**Eligibility:**

- Full-time undergraduate students with at least two semesters of college experience (GPA 3.0 or above)
- U.S. citizen, U.S. national, or permanent resident

**Apply:**

1. Fill out electronic application form at [ccbm.ucmerced.edu](http://ccbm.ucmerced.edu)
2. Email unofficial transcript to [ncole2@ucmerced.edu](mailto:ncole2@ucmerced.edu)

You may be asked to submit official transcripts if selected as finalist.

Questions? Contact CCBM Programs Manager, Nora M. Cole: [ncole2@ucmerced.edu](mailto:ncole2@ucmerced.edu) or (209) 228-3603

Details & benefits subject to change.

**[ccbm.ucmerced.edu](http://ccbm.ucmerced.edu)**

**Strongly encouraged to apply:**  
**CSU & Merced College students.**  
*Students from underrepresented  
minority groups, women, and  
students with disabilities.*





## Research Experience for Undergraduates (REU)

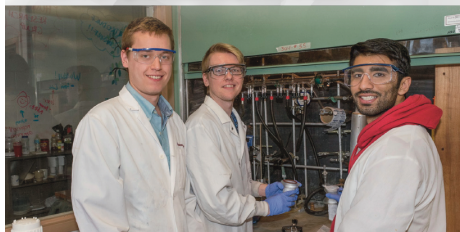
10-Week Summer Internship Program

June 3 - August 11, 2018

### There are two types of applications:

- Individual undergraduate students
- Faculty/undergraduate student pairs

- Applications received by February 28, 2018 receive full consideration.
- Primary selection criteria include academic record, career objectives and letters of recommendation.
- All participants receive a stipend of \$5,000 (plus free housing is provided for all students).
- Each individual student or faculty/student team is matched with an NIU faculty mentor.
- Research opportunities range across a broad variety of research areas, such as chemical synthesis, nanomaterials, drug discovery, protein engineering, and computer modeling.
- Activities include workshops on scientific communication, lab safety, responsible conduct in research, as well as student research seminars and an end of program student poster session.



### Faculty Mentors/Research Areas

#### Yingwen Cheng (Materials Chemistry and Electrochemistry)

Development of novel energy materials and electrolytes for more powerful beyond-lithium-ion batteries.

#### Elizabeth R. Gaillard (Biophysical Chemistry)

Characterization of mechanisms of disease related damage in the human eye and other biological tissue.

#### Thomas M. Gilbert (Computational Chemistry)

Computer modeling of (1) non-traditional pericyclic reactions and (2) relative energy of transition metal diastereomers.

#### Timothy J. Hagen (Organic Chemistry)

Design and synthesis of small molecules that inhibit enzymes for treating malaria and infectious disease.

#### Oliver Hofstetter (Biochemistry)

Development of new analytical techniques using antibodies as detection and separation agents.

#### James R. Horn (Biochemistry)

Protein engineering and characterization of protein interactions relevant to protein biologics and drug design.

#### Douglas A. Klumpp (Organic Chemistry)

Inventing new chemical reactions to make substances such as dyes/pigments, drugs, polymers, and other targets.

#### Tao Li (Biomaterials and Nanotechnology)

Design and synthesis of bio-inspired functional nanomaterials for medical and energy applications.

#### Irina V. Nesterova (Analytical Chemistry)

Design and development of new molecular sensing systems for analysis of biologically relevant targets

#### Victor Ryzhov (Bioanalytical Mass Spectrometry)

Structure and reactivity of radical ions; gas-phase catalysis using metal ion complexes.

#### Lee S. Sunderlin (Mass Spectrometry)

Thermochemistry and periodic trends in molecules that break the octet rule.

#### Ralph A. Wheeler (Computational Chemistry)

Computer modeling to (1) optimize metalloenzyme reactions and (2) visualize motions correlated with ionic conductivity of electrolytes.

#### Tao Xu (Physical Chemistry and Nanoscience)

Nanoscale materials for energy conversion, storage, utilization and safety monitoring.

#### Chong Zheng (Physical and Computational Chemistry)

Metal organic frameworks as catalysts and energy storage materials.

# LSAMP Reminders

- Travel
- Textbook: submit now
- GRE
- Grad School Application Fees
- Research Posters
- Research Interns

# Travel

- **Please let LSAMP (Suzanne) know when you will be traveling** and what department completed the paperwork, i.e., Travel Request/Claim. LSAMP is required to submit this information to the Statewide Department at the end of each year to maintain our Grant Funding.
- We have very limited **travel funds**, but we may be able to help you find money to travel. Please come talk to us if you plan to travel.

# Travel

- **Defensive Driving-**
- Students must take and pass the campus online Defensive Driving Course in order to receive mileage reimbursement on Travel Claims.
- Test can be found on university website
  - <https://www.csustan.edu/training-development/defensive-driver-training>
  - Fill out form
  - Link for Test and Certificate will be emailed to you
  - LSAMP needs Original Certificate

# After you fill out form

## Defensive Driver Training

Thank you for registering for the Defensive Driver Training.

PLEASE READ THE FOLLOWING CAREFULLY AS THE PROCESS HAS RECENTLY CHANGED:

FACULTY/STAFF/STUDENT ASSISTANTS - Once your Driver's License has been cleared through DMV you will receive an email with instructions on how to access the course(s). This email will come from the Training Administrator. You will then have 30 days to complete it. The course takes approximately two hours to complete and will allow you to stop and start.

ALL OTHER STUDENTS/VOLUNTEERS - Please click on the Department of General Services (DGS) link to complete the course: <http://www.dgs.ca.gov/orim/Programs/DDTOnlineTraining.aspx>. It is strongly recommended that you check computer compatibility as instructed on the webpage to ensure that you are able to complete the course. The DGS course will take approximately two hours to complete will not allow you to stop and start, so please make sure to allow enough time. Please complete the course in the next 30 days and send the certificate of completion to Safety & Risk Management at [risk@csustan.edu](mailto:risk@csustan.edu).

# Textbook Reimbursements

- LSAMP will pay up to \$200.00 per student per semester (as our budget allows) provided you attended at least half the meetings in the previous semester (exception for new admits)
- Must be required for a STEM class and you must pay for it
- Grant says TEXTBOOKS, this includes
  - Ebooks
  - Book rentals
  - Online materials bundled with the books
  - NOT other required equipment and supplies
- Please bring to LSAMP Office
  - A copy of syllabus
  - ORIGINAL RECEIPTS with your name and proof of payment

# GRE Fee Reimbursements

- LSAMP will reimburse GRE test fees (as our budget allows) for one general exam and one subject exam. If funds are not sufficient we will prioritize by meeting attendance.
- To receive reimbursement we need proof of payment and proof you took it, so please bring to the LSAMP Office
  - A receipt showing you paid for the test
  - GRE Score Sheet
- We are not able to pay for standby fees or for additional attempts

# Graduate School Application Fees

- We have a limited budget to pay for graduate school application fees. We cannot pay for fees that you could have had waived as an LSAMP participants, so please check on waivers before you pay. If the fee cannot be waived, we need proof that you paid the fee.



# Gray Areas

- In general, it is best to submit the paperwork for things that might not be reimbursable, since sometimes we end the year with a little extra money and will look for student reimbursements to pay.
- Once you have officially graduated we will most likely not be able to process reimbursements to you.

# Research Poster Printing

- We can pay to have research posters that you will be using to present your work printed through Reprographics. You can come to the LSAMP Office to pick up the form Reprographics needs to bill us.
- Posters are generally 3 ft. by 4 ft. in color on plain paper and cost about \$35.
- Everyone doing research should have a poster in the College of Science Poster Celebration in May.
- Your research mentor should be able to help you design a poster. Please contact us if you have any questions.

# Research Interns

- We are just now selecting and hiring our research interns for Spring
- We have more applicants than funds, priority goes to
  - Continuing Interns who have complied with the requirements
  - LSAMP participation – e.g. meeting attendance
  - Distribution over majors and mentors
- We have some graduating this Fall, so if you applied and didn't receive it, try again in Spring
- We will keep your application open - depending on funds we may have one or two late hires
- Some expectations for Spring semester
  - Student Research Competition
  - College of Science Poster Session

# Some work details

- Interns
  - Responsible Conduct of Research Training and Certificate of Completion (CITI) are required before Interns can start work.
- Timesheets for Interns
  - Please go into your MyCSUSTAN timesheet around the middle of the month and make sure you are able to enter your hours. If there is a problem we need to know about it before the end of the month so we can fix it and you can get paid on time.
  - Pay attention to emails from us!!! And respond!!!