

Undergraduate JRA summer internship orientation

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STCE Core – Coordinator
3/11/22



2022 PR-INBRE UG Summer INTERNSHIP



10 weeks

Jun. 1 – Aug. 8, 2022

April, 8

**Submission Deadline
Undergraduate Students**



This project is supported by award# P20GM103475 from the NIGMS of the NIH

For more information please contact:

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STCE Assistant Project Coordinator

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Timetable

STEP	DATE
Call for proposals	2/22/22
Orientation	3/11/22
Submission deadline	4/8/22
Notification sent	4/25-29/22
Start date	6/1/22
End date	8/8/22

Who can apply

- Full-time undergraduate students enrolled in a Biomedical/Behavioral related sciences program
- Priority will be given to students from PR-INBRE PUIs & outreach institutions
 - **PUIs:** UPR-Cayey, UPR-Humacao, UPR-Mayaguez, IUPR-Metro, UAGM-Carolina, UAGM-Cupey, UAGM-Gurabo
 - **Outreach:** Pontificia Universidad Católica, UPR-Aguadilla, UPR-Carolina, UPR-Ponce, IUPR-Bayamón, IUPR-San Germán, Sagrado Corazón

Selection criteria

- Academic excellence (GPA \geq 3.00)
- Interest in biomedical research
- Research proposal (2-page)
- Letter of recommendation from research mentor
- Statement of purpose
- Official transcript
- Letter from an official of the University stating that the student is a full-time student

Where research can be performed

- Any institution within the PRINBRE network
 - **Lead institution:** UPR-RCM
 - **Mentoring institution:** UPR-RP
 - **PUIs:** UPR-Cayey, UPR-Humacao, UPR-Mayaguez, IUPR-Metro, UAGM-Carolina, UAGM-Cupey, UAGM-Gurabo
 - **Outreach:** Pontificia Universidad Católica, UPR-Aguadilla, UPR-Carolina, UPR-Ponce, IUPR-Bayamón, IUPR-San Germán, Sagrado Corazón, Ponce Health Sciences, UCC, Universidad Carlos Albizu

What does the JRA program provides

- Salary
- Professional development opportunities
 - Data Science, Entrepreneurship, Technical workshops, others
- Networking
- Travel awards

Application documents

<http://inbre.hpcf.upr.edu/research-associates-program/>

- Application form
 - <https://forms.gle/fY8CcR8RTCe5CdJ78>
- Reference forms
 - Waiver: <https://forms.gle/PbARwVpHrvMsbSAZA>
 - Letter of recommendation: <https://forms.gle/G4eq1GL9EQcri1QL9>

Application form



Student's information

Sociodemographic
Educational information
Transcript



Previous experience

CV or resumé
Research Experience,
presentations, publications,
extracurricular activities



Proposal documents

2-page research proposal plus
mentoring plan and references
NIH Biosketch including personal
statement with professional goals

Research proposal

Main sections (2-page):

- Specific Aims
- Significance
- Innovation
- Approach

Additional sections

- Timetable
- Mentoring plan
- Literature cited

NIH Biosketch

- A. Personal statement
- B. Positions and honors
- C. Contribution to science
- D. Scholastic performance

OMB No. 0925-0001 and 0925-0002 (Rev. 10/2021 Approved Through 09/30/2024)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME:

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY

A. Personal Statement

B. Positions, Scientific Appointments and Honors

C. Contributions to Science

D. Scholastic Performance

YEAR	COURSE TITLE	GRADE

Mentoring plan



Mentee Career Goals



Research skills development



Communications skills development



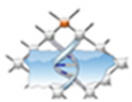
Professional development skills



Training in Responsible conduct of research



Resources provided to support mentee



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IDeA Network of Biomedical Research Excellence

Mentoring plan(2)

Include items such as classes, seminars, opportunities for interaction with other groups and scientists, and any professional skills development opportunities.

Indicate the relationship of the proposed research training to the applicant's career goals.

Describe the skills and techniques that the applicant will learn. Relate these to the applicant's career goals.

Briefly describe plans for how the mentor will provide instruction in professional practices to the mentee on a regular basis.

Briefly describe the resources that will be provided by the primary mentor and/or division to support the mentee's attainment of the goals outlined in this plan

Proposed presentations, meeting abstract and journal submission

Mentoring plan:

██████████ goal after obtaining her B.S. in Microbiology is to complete a Ph.D. in Biomedical Sciences. To this extent, I will continue mentoring her in areas such as: career planning, professional development, research skills, and effective science communication among others. In addition, ██████████ will sign up in the National Research Mentoring Network to connect with other mentors. At the beginning of the academic year, ██████████ will complete the skills assessment form of the Individual Development Plan (ScienceCareers.org) to identify the specific skills that she needs to strengthen at her current career stage. Together we will decide on which specific skills she will work during each semester and the strategies that will be used. We will review the plan every two months to keep track of her progress. Among the skills and strategies that she will work are:

- *Research skills development:* As part of her project, ██████████ will learn tissue culture techniques, immunoassays (i.e. western blots, ELISAs), fluorescent assays, and statistical analysis.
- *Communication skills development:* ██████████ will be presenting her work at various forums in both oral and poster format. These include ██████████ Undergraduate Symposium, ██████████ ABRCMS, and Junior Technical meeting. In addition, she will participate in lab meetings and journal clubs, and attend writing workshops organized by ██████████
- *Career advancement:* Under my guidance, ██████████ will work on her applications to summer research internships. In addition, she will be attending career-related events such as ABRCMS and the Society of Toxicology Undergraduate Diversity Program, among others.

For more
information:

Ms. Sandra Charriez

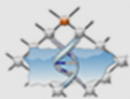
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