

CNAS SCHOLARS

SUMMER RESEARCH

INFORMATION SESSION

Presented By:

Jennifer Coplea
CNAS Scholars Coordinator

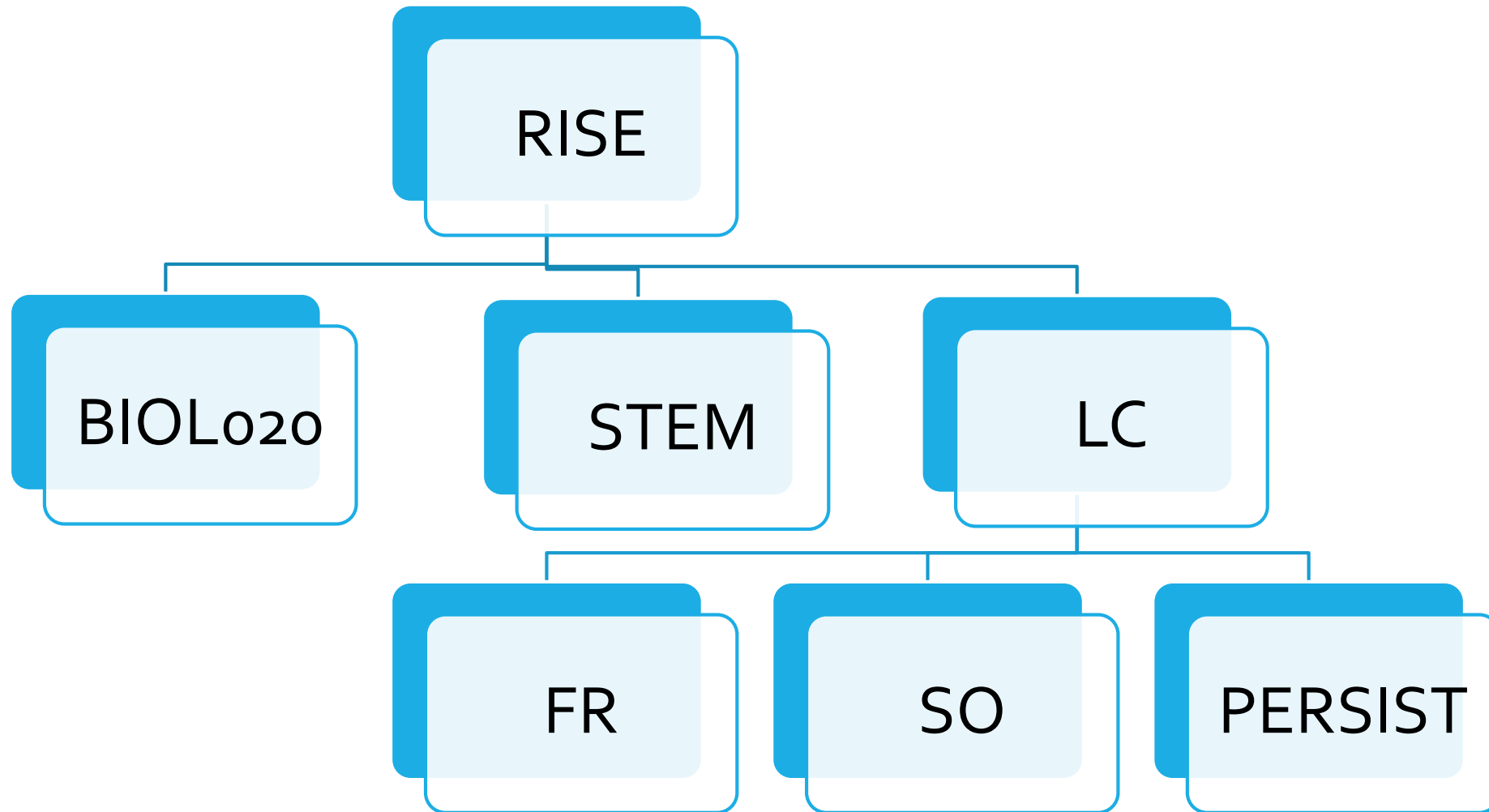
Jaron Paschke
CNAS Scholars Assistant Coordinator

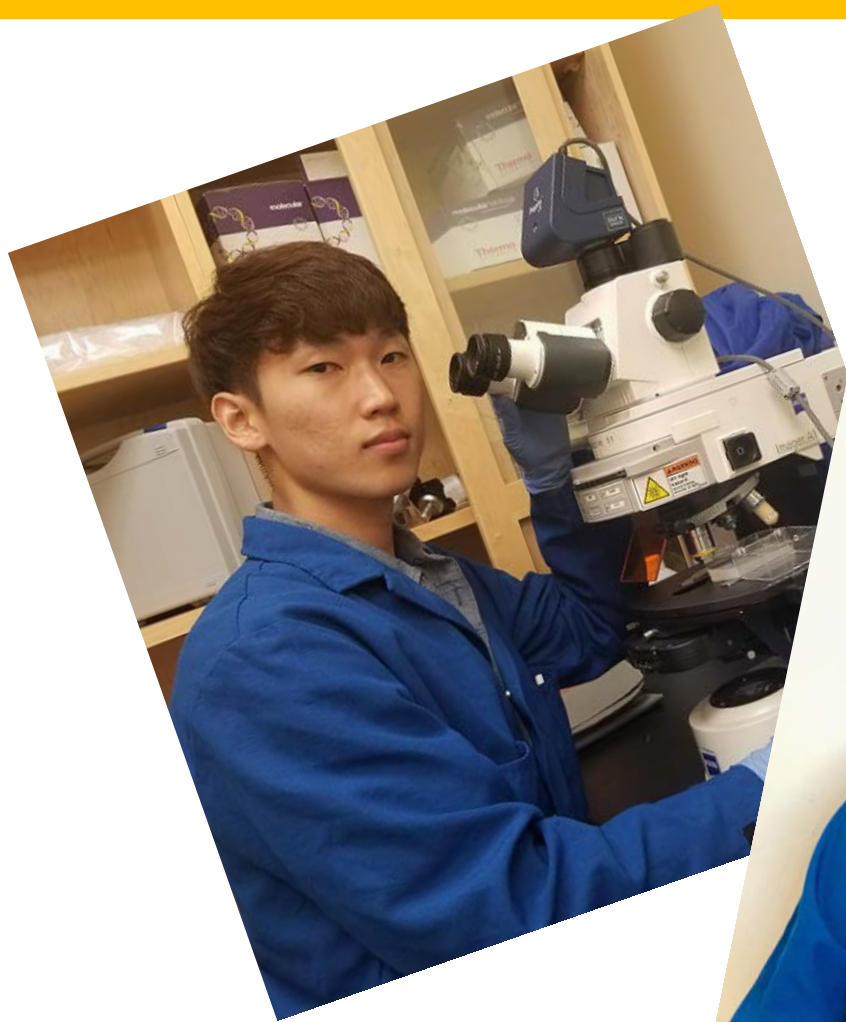
Discussion Goals

- Overview of Research in Science and Engineering (RISE) 2019
- Benefits & Expectations
- Competitive Applicants
- Discovering your Research Topic & Faculty Mentor
- Creating Your Proposal
- Application Process
- Q & A



RISE Program Overview





Past
researchers &
our story...

Research In Science and Engineering (RISE)

WHAT IS RISE?

A 10-week, paid undergraduate research experience designed to prepare participants for graduate and professional study by providing valuable research experiences, training, seminars and multiple workshops aimed at better preparing scientists.

WHAT ARE THE OBJECTIVES OF RISE?

- Prepare participants for graduate school (via research, workshops, and seminars)
- Assist participants to realize their academic potential and graduate ambitions
- Offer participants first-hand exposure to UCR graduate opportunities
- Enhance faculty/student interrelationships
- Expose faculty mentors to potential undergraduate research interns



Benefits of RISE

- Conduct summer research & receive a **\$5,000** stipend
- Build a relationship with a faculty member (faculty get \$500 for supplies)
- Attend workshops and seminars centered on professional development and graduate school preparation and enhancement
- Present your research findings to student researchers, graduate students and UCR faculty during the RISE symposium



Expectations of RISE

- Participants will work 40 hours a week (8am-5pm) from June -Aug.
- Living and commuting arrangements will be handled by participants
- Participants will not attend summer school or work another job
- Designated program events will be mandatory to attend



Who Is a Competitive Applicant?

- Students who have completed the whole year of learning community
- Students in good academic standing with a minimum 3.0 cumulative GPA
- Students with some lab experience (either through lab courses or research with professors)



Application Process

Students must submit 3 forms by April 5 at 4pm:

Application

- Two sided form available at <http://cnasscholars.ucr.edu/fslcfellows.html>

Research proposal

- 2-3pg discussion of your intended summer research project

Faculty Letter

- Brief statement indicating that they support you working in their lab during 19U. Faculty letter can be submitted as a letter or via email to cnasscholars@ucr.edu.



What to Study & Who To Study With

- 1) Choose discipline/subject to study
- 2) Find a possible mentor
- 3) Review the mentor's research
- 4) Meet with and secure PI for the summer
 - Pick a topic of research
 - Ask for a letter of support



Faculty letters can be submitted as a written letter Pierce 1223 or by email to cnasscholars@ucr.edu

Discovering Your Discipline

Ask yourself:

Why did I choose this major?

What STEM subjects am I interested in?

What problems do I want to solve in the world?

Once you've answered these questions, look for faculty in your chosen major and/or who share your interests!



Finding a Faculty Mentor ("Primary Investigator")



- Identify potential mentor(s)
 - Consider faculty you've taken classes with
 - Browse the Departmental websites for CNAS departments
 - Go to the library/online, look up faculty articles
 - <http://cnasstudent.ucr.edu/research/oncampus.html>

Keep faculty's time and interests in consideration. Give yourself ample time to secure a mentor. Consider more than one potential mentor. Don't be discouraged!

Talking to Faculty

- Set up an appointment or stop by open office hours
- Show your knowledge and genuine interest



Ex. "Hello Professor Oak, I've read your recent article on wild life conservation. I am very interested in this topic and would love to meet with you to learn more."

- Ask well-informed questions & additional reading materials
- Once you've established a connection, ask if they will mentor you for this summer's CNAS Freshman Scholars Fellows research program.

Be Professional. Be Patient. Be Yourself.

Questions & Answers



Well-informed questions:

- Show you've read the material (*at least 2-3 articles*)
- Ask for information to be expanded on/clarified
- Inquire on future research plans

Be prepared to talk about yourself as well. Prepare an "elevator speech" (30 secs to 1 minute) about yourself (i.e. major, career goals, professional interests).

<https://www.mindtools.com/pages/article/elevator-pitch.htm>

Sample Email

Dear *Professor X*:

My name is (*your name*), and I am very interested in becoming involved in research in *Subject Area*. I am an *x year* student with a GPA of *x*. I have:

- Taken the following courses related to *Subject Area*...
- Have had the following related experiences...
- My goal is to...

I have reviewed your faculty research profile and am interested in the work that you have done. I was intrigued by your journal article "*Article Title*." (*Provide reaction to article/area of research with specific references*). I would like to get involved in research in this area because it will help me to better prepare for my long-term goals of...

Would it be possible to meet with you to further discuss *Topic* and my possible involvement in research under your guidance? Here is my availability for the next two weeks...I appreciate your consideration and look forward to hearing from you.

Respectfully,
Your name
Student ID
Phone

This sample email can be found at:
<http://cnasstudent.ucr.edu/files/sample-email.pdf>

Writing Your Proposal

- 2-3 pages
- General components include:
 - Introduction
 - Research question(s)
 - Specifics of your project (i.e. discipline, timeline)
 - Conclusion
 - References



Students must write their proposal with their PI.
**Communicate with them and decide what you will
be researching and how.**

RISE Application 2019

CNAS SCHOLARS SUMMER RESEARCH FELLOW APPLICATION

Due: Before 4:00 pm on Friday, April 5, 2019

Turn in location: 1223 Pierce Hall

Applicant Information

Full Name: _____ SID: _____
Last First M.I.

Address: _____
Street Address Apartment/Unit #

_____ City State ZIP Code

Phone: _____ UCR Email: _____

Academic Information

Current Major as of 19W: _____

Quarter Units Completed: _____ Cumulative GPA: _____

Which courses will you have completed by June 14, 2019 (Check all that apply):

<input type="checkbox"/> BIOL 005A	<input type="checkbox"/> CHEM 001A/01LA	<input type="checkbox"/> MATH 07A/09A
<input type="checkbox"/> BIOL 05LA	<input type="checkbox"/> CHEM 001B/01LB	<input type="checkbox"/> MATH 07B/09B
<input type="checkbox"/> BIOL 005B	<input type="checkbox"/> CHEM 001C/01LC	<input type="checkbox"/> MATH 09C
		<input type="checkbox"/> MATH other: _____

BIOL 020 NASC 092 – Spring Discussion

Research Information

Proposed Faculty Mentor _____

Faculty Office Location _____ Faculty Phone Number _____

What is your career goal? Why have you chosen this goal for your future?

Submission Information

Your application is due no later than 4:00 pm on Friday, April 5, 2019 at 1223 Pierce Hall, and must be submitted in the following format (applications are reviewed on a first-come, first-served basis):

- ✦ This application page
- ✦ Research Proposal (2-3 pages)
- ✦ Letter of Support from Faculty Mentor

Signature & Date

I certify that my above answers are true and complete to the best of my knowledge.

Signature: _____ Date: _____

Please return all application materials to: CNAS Undergraduate Academic Advising Center
ATTN: CNAS Scholars, 1223 Pierce Hall



Applicant
Information

Applicant Information

Full Name: _____ SID: _____
Last First M.I.

Address: _____
Street Address Apartment/Unit #

_____ *City State ZIP Code*

Phone: _____ UCR Email: _____

Academic Information

Current Major as of 19W: _____

Quarter Units Completed: _____ Cumulative GPA: _____

Which courses will you have completed by June 14, 2019 (Check all that apply):

<input type="checkbox"/> BIOL 005A	<input type="checkbox"/> CHEM 001A/01LA	<input type="checkbox"/> MATH 07A/09A
<input type="checkbox"/> BIOL 05LA	<input type="checkbox"/> CHEM 001B/01LB	<input type="checkbox"/> MATH 07B/09B
<input type="checkbox"/> BIOL 005B	<input type="checkbox"/> CHEM 001C/01LC	<input type="checkbox"/> MATH 09C
		<input type="checkbox"/> MATH other: _____
<input type="checkbox"/> BIOL 020	<input type="checkbox"/> NASC 092 – Spring Discussion	



Academic
Information



Research Information

Research Information

Proposed Faculty Mentor _____

What is your career goal? Why have you chosen this goal for your future?



Submission Information

Submission Information

Your application is due no later than 4:00 pm on Friday, April 5, 2019 at 1223 Pierce Hall, and must be submitted in the following format (applications are reviewed on a first-come, first-served basis):

- ❖ This application page
- ❖ Research Proposal (2-3 pages)
- ❖ Letter of Support from Faculty Mentor



Signature & Date

Signature & Date

I certify that my above answers are true and complete to the best of my knowledge.

Signature: _____ Date: _____

Please return all application materials to: CNAS Undergraduate Academic Advising Center
ATTN: CNAS Scholars, 1223 Pierce Hall

Application & Materials due by 4pm on April 5
Applications are reviewed on receipt.

What Happens After You Apply?

Remember. *Be Patient.*

- Fall/winter grades are taken into consideration
- Proposals will be reviewed
- Selected applicants will be notified by late April



Thank you for
your time.

Are there any
questions?

