Save the date! CSUF Research Week 2022 (April 18-22)
ORSP will be hosting a five-day, virtual Research Week event, April 18 – 22nd. This event will feature a keynote speech from Dr. Ganesh Raman, Assistant Vice Chancellor for Research, CSU; and a lecture from Dr. Maria Soledad Ramirez, the 2021 L. Don Shields Excellence in Scholarship & Creativity Award recipient. Please see the attached research week flyer for more information.

CSUF Finalists for CSU Student Research Competition
ORSP is excited to announce the CSUF finalists for the CSU system-wide Student Research Competition, held virtually this year at San Francisco State University, April 29th and 30th, 2022. Student Creative Activities and Research (SCAR) Faculty Fellow, Dr. Terri Patchen, who organized our local competition, will mentor the finalists. Please join us in congratulating our finalists and all the students who participated!

2022 CSUF Student Research Competition Finalists
Rachel Altman, Graduate, Biological Science, NSM
Title: How HSPA1A, a stress-inducible 70-kDa heat shock protein, travels to the cell surface of stressed and cancer cells
Faculty Mentor: Dr. Nikolas Nikolaidis

Chelsea Bowers-Doerning, Graduate, Biological Science, NSM
Title: You are what you eat: Pacific Sardines Ingesting and Assimilating Microplastics
Faculty Mentor: Dr. Misty Paig-Tran

Erica Therese Esteban, Undergraduate, Biochemistry, NSM
Title: Analysis of Cu2,Zn2P2O7 in Projection towards Negative Thermal Expansion
Faculty Mentor: Dr. Joya Cooley

Mauricio Gomez Lopez, Undergraduate, Physics, NSM
Title: Studying the Material Properties of an Active Suspension of Swimming E.coli
Faculty Mentor: Dr. Wylie Ahmed

Azeem Horani, Undergraduate, Biochemistry, NSM
Title: Identification and Characterization of Nuclear Export Sequences in Polypyrimidine Tract Binding Protein 1
Faculty Mentor: Dr. Niroshika Keppetipola
Mehrshad Mazaheri, Graduate, Mechanical Engineering, ECS
Title: Study on high-speed machining of 2219 Aluminum utilizing Nanoparticle-Enhanced MQL lubrication
Faculty Mentor: Dr. Sagil James

Shailesh Rajput, Graduate, Computer Engineering, ECS
Title: Handwritten Digit Recognition using Convolution Neural Networks
Faculty Mentor: Dr. Yoonsuk Choi

Julia Teeple, Undergraduate, Biological Science, NSM
Title: Analyzing Flow Using Accurate Manta Anatomy
Faculty Mentor: Dr. Misty Paig-Tran

**Student Creative Activities and Research (SCAR!) Days are COMING!**
**Monday, April 25, 2022 – May 6, 2022 VIRTUAL**
Student Creative Activities and Research (SCAR) Days are a unique opportunity for undergraduate and graduate students from all disciplines to come together to share their research and arts projects virtually.

**Monday, April 25th, 2022 Opening SCAR DAY!**
Student Poster Sessions
Undergraduate and graduate student research and creative activities virtual poster presentations will be available for viewing. Student posters will be up for two weeks (until May 6), so students and faculty can pop in to see them anytime.

**Friday, May 6th 2022, 3:00 – 3:45 pm, Closing SCAR DAY!**
Awards Presentation
At the end of the two-week SCAR Days poster and exhibit session, there will be an awards presentation to honor the 10th annual Outstanding Student Scholarly and Creative Activity Award and Outstanding Poster/Exhibit Award recipients.
One undergraduate and one graduate student from each college will receive the Outstanding Student Scholarly and Creative Activities Award. Three Outstanding Poster/Exhibit Awards will be presented. All posters/exhibits presented during the session will be considered for these awards.
Everyone is invited to celebrate the ingenuity, tenacity, and creativity of CSUF students! Register here for the virtual Awards Presentation and the close of SCAR Days. Questions? Email Terri Patchen, Ph.D., Student Creative Activities and Research (SCAR) Faculty Fellow, at scar@fullerton.edu

**New and Updated Other Support FAQs Now Available**
On March 10, 22 The National Institutes of Health posted new and updated other support frequently asked questions (FAQs). Please visit their website and look for the NEW and UPDATED icons for updated made in the last 60 days. READ MORE

**SAVE THE DATE Spring 2022 NSF Grants Conference**
The National Science Foundation has announced their Spring 2022 will be held June 6-10. Registration opens in May and there is no cost to register. More information to be posted on the NSF Resource Center soon.

**NSF Funding Opportunities**
The National Science Foundation (NSF) offers numerous funding opportunities that specifically support faculty members, researchers and educators at Minority Serving Institutions, like CSUF. Here are some tips from NSF on how to apply for these opportunities.
CSUF received notification of 4 new awards or fully negotiated contracts for $479,994 in February.

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Sponsor</th>
<th>Proposal Title</th>
<th>Amount Awarded</th>
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<tbody>
<tr>
<td>Daniel, Mike</td>
<td>California Office of the Small Business Advocate, Governor’s Office of Business and Economic Development (GOBIZ)</td>
<td>OCIE SBDC GOBIZ TAEP 21-22</td>
<td>$150,000</td>
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<td>Marzocchi, Alison Co-PI(s): Kurianski, Kristin; Soto, Roberto; Stone-Johnstone, Amelia</td>
<td>National Science Foundation</td>
<td>Transforming Undergraduate Mathematics Education Through Faculty Development in Active Learning and Equity-Minded Instruction</td>
<td>$297,118</td>
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<tr>
<td>Pomonis, Mary</td>
<td>San Diego State University Research Foundation</td>
<td>Prison Arts Collective</td>
<td>$13,654</td>
</tr>
<tr>
<td>Read, Jocelyn Co-PI: Lovelace, Geoffrey; Smith, Joshua</td>
<td>National Science Foundation</td>
<td>The CSUF-Syracuse partnership for inclusion of underrepresented groups in gravitational-wave astronomy</td>
<td>$19,222</td>
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</tbody>
</table>

Hanover Research Alerts

As part of CSU Fullerton’s partnership with Hanover Research, faculty have access to resources to support their grant seeking efforts.

- Grants Alerts: Weekly grant solicitations from federal agencies and select private foundations. Alerts are broken up into research and programmatic grant opportunities in the Higher Education, Health, and K-12 sectors.
- Grants Calendars: Specialized calendar bi-weekly calendar which maps out grant opportunities of interest to different focus areas.

You can register to receive Hanover’s weekly grant alerts (research and programmatic), monthly funding calendars, and quarterly webinar invitations and opt in to the content of greatest interest.

FDC-ORSP Faculty Fellow/Coordinators

Kathleen Preston, the FDC-ORSP Quantitative Research Support Coordinator/Fellow and Lucia Alcalá, the FDC-ORSP Qualitative Research Support Coordinator, will work with faculty across colleges and disciplines.

- For those at the beginning stages of a research program, they will review your current research questions or hypotheses and provide feedback on which analytic technique is most appropriate.
- For those with data collected, Professor Preston and Dr. Alcalá will aid with implementing techniques to analyze collected data and provide guidance when interpreting the results.
- For scholars who have received suggestions in a Revise & Resubmit response, they can work with you to incorporate reviewer feedback for resubmission.

Faculty at all levels from any college or department are welcome to contact Professor Kathleen Preston or Professor Lucia Alcalá by email to discuss your specific needs and objectives. Appointments are available by Zoom.
ORSP Fellow Helps Faculty Refine Manuscript

Faculty who would like assistance editing or revising research articles or other short manuscripts can consult with inaugural Scholarly Publication Faculty Fellow, Dr. Carrie Lane (Professor, American Studies). Since March, Lane has worked with more than fifty faculty across CSUF to help proofread and revise their manuscripts for submission (or re-submission) to scholarly journals. She offers feedback on readability, organization, and technical issues (grammar, punctuation, etc.) and is happy to assist with shortening works to meet maximum page requirements. If you’d welcome a second set of eyes on a piece you’re working on, you can reach Professor Lane at writesupport.spff@fullerton.edu. Appointments are available in person and by phone and Zoom.

Compliance Electronic Submission Process and Training | Cayuse IRB, IACUC and IBC

Zoom Training Workshops are available with the Compliance staff to summarize the Cayuse IRB, Cayuse IACUC, or Cayuse IBC electronic submission processes, and provide advice on how to create an account under Cayuse, how to submit applications and renewals, and how to amend existing protocols. The Cayuse system is expected to streamline the compliance application process and provide faculty with a user-friendly platform to upload their initial applications, amendments, and de novo renewals, as well as facilitate reviews, amendments and approvals.

To schedule your one-on-one Zoom meeting, email irb@fullerton.edu for human subjects research, iacuc@fullerton.edu for animal research, or ibc@fullerton.edu for biosafety research.

For human subjects research, faculty are welcome to share this information with their students who can also contact the compliance office for one-on-one trainings to assist them in navigating through the Cayuse IRB system.

Full-Review IRB Submission Deadlines

Exempt and Expedited applications (studies with minimal risk) can be submitted via the Cayuse IRB online submission website. These are reviewed and approved on an ongoing basis.

Protocols that involve more than minimal risk or involve working with vulnerable populations will be assigned to an IRB monthly Full-Review meeting. CSUF will continue to host these monthly meetings with the committee via Zoom. Visit the CSUF IRB web page for additional information regarding the full review committee meeting dates and review process.

<table>
<thead>
<tr>
<th>Submission Deadline</th>
<th>IRB Meeting</th>
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<tr>
<td>April 29, 2022, 2021 by noon</td>
<td>May 13, 2022</td>
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<tr>
<td>May 27, 2022, 2021 by noon</td>
<td>June 10, 2022</td>
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<tr>
<td>July 2022</td>
<td>NO MEETING</td>
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IBC Submission Deadlines

Protocols that involve the use of biological materials require IBC review/approval. For more details, see visit the compliance webpage for IBC Activities Requiring Review to confirm if your research requires IBC approval. For protocols requiring IBC Full-Review, please refer to the submission deadlines below:

<table>
<thead>
<tr>
<th>Submission Deadline</th>
<th>IBC Meeting</th>
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<tbody>
<tr>
<td>April 4, 2022 by noon</td>
<td>April 15, 2022</td>
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<tr>
<td>April 25, 2022 by noon</td>
<td>May 20, 2022</td>
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<tr>
<td>June</td>
<td>July</td>
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For updated information, follow us on:

Visit ORSP Monthly Updates for current and previous ORSP monthly updates.

For feedback, questions or concerns, please contact: ORSP@Fullerton.edu