THANK YOU!

Thank you for joining us for the 2020 Undergraduate Research and Creative Activity Symposium for the University of California, Riverside.

Traditionally, these presentations take place across two days and are all hosted in-person at the Highlander Union Building. This year due to COVID-19, all undergraduate research presentations are being conducted online via GoReact®, a presentation platform that allows campus users and guests to view the presentations and provide feedback to student presenters. This online platform has allowed additional flexibility with the symposium, allowing us to extend presentations across two weeks: May 18-29, 2020. After May 29, presentations will no longer be available on GoReact®.

Students are grouped on the platform based on the college of the first listed faculty mentor – the college in which the research was conducted.

Within this program, records are listed alphabetically by the first presenter’s last name.

Thank you again for taking the time to view the amazing presentations from UCR undergraduates and for providing them with positive professional and constructive feedback.

Presentations available: May 18-29, 2020
STUDENT ENGAGEMENT \ \\
RESEARCH. SERVE. INTERN. \ \\
INTERN //
Spend a quarter with students from other UC campuses at our locations in Sacramento or Washington, DC.
- Earn between 14 - 16 Academic Credits
- Gain real-world experience in a professional internship of your choosing
- Network with professionals in your field
- Travel and have fun with other UC students!

COMPETE //
The Office of Student Engagement provides support and guidance for qualified students in applying for national scholarships, fellowships and internships.

TEACH //
Are you passionate about a unique topic not being taught here at UCR? Why not teach your fellow students in one of our R'Courses.
- Student-led courses
- Original topics
- 1-unit
- Discussion-based, topped at 20 participants

Plan your next steps:
1st Quarter: Think of a topic, find a faculty mentor, submit your proposal
2nd Quarter: Take EDUC 102 and 1-unit independent study with your faculty mentor
3rd Quarter: Teach your course!!

RESEARCH //
Students are encouraged to participate in multiple forms of research during their academic career at UCR. Some of the ways students can become involved in research are:
- Research Portal - Find the right research project to become involved with by searching through our Research Portal.
- Mini-Grants - Fund Research expenses or Conference Travel to present your research, up to $1,000.
- Research Symposium - Present your research poster or oral presentation at our yearly spring symposium.
- Research Journal - Publish your research in our peer-reviewed journal, or join our editorial board.
- Chancellor’s Research Fellowship - 14 students are awarded $5,750.00 to engage in faculty mentored research and creative activity projects each summer.
STUDENT(S): ABRISZ, JACOB
MAJOR(S): LANGUAGE & LITERATURE, GERMANIC STUDIES, HISTORY
TOPIC: DUGOUTS AND DROPPED BOMBS: EXAMINING QUESTIONS OF MOTIVATION AND IDENTITY IN THE ACTIONS OF SIEMENS CHINA COMPANY IN 1937
FACULTY MENTOR(S): LUCILLE CHIA
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): ACEVEDO, ALICIA; GONZALEZ, CRYSTAL; KABLAN, LOIS
MAJOR(S): BIOLOGY, NEUROSCIENCE
TOPIC: IDENTIFYING CLOCK GENES IN CITRUS RETICULA THROUGH HOMOLOGUES IN ARABIDOPSIS THALIANA
FACULTY MENTOR(S): JAMES BURNETTE, ALEX CORTEZ
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): ACHEAMPONG, RECHAEL; BERGMAN, KATELYN; WILSON, MELISSA
MAJOR(S): PSYCHOLOGY
TOPIC: FEAR OF CANCER RECURRENCE AMONG BLACK AND WHITE MOTHERS
FACULTY MENTOR(S): KATE SWEENY
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Oral

STUDENT(S): AGUILERA, JORGE
MAJOR(S): POLITICAL SCIENCE
TOPIC: ARE TUTORING NETWORKS EFFECTIVELY USING AND IMPLEMENTING PEDAGOGICAL LEARNING TECHNIQUES?
FACULTY MENTOR(S): MATTHEW CASSELMAN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster
**STUDENT(s):** Akkawi, Nicholas  
**MAJOR(s):** Biochemistry  
**TOPIC:** Studies Toward the Synthesis of Amyloid-beta Aggregation Inhibitors: Annotinolides A and B  
**FACULTY MENTOR(s):** Kevin Kou  
**COLLEGE:** College of Natural and Agricultural Sciences  
**PRESENTATION TYPE:** Poster

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**STUDENT(s):** Amin, Luv  
**MAJOR(s):** Biology  
**TOPIC:** Impact of Western Diet Induced Obesity on Endocannabinoid Biosynthesis in Mouse Pancreas  
**FACULTY MENTOR(s):** Nicholas DiPatrizio  
**COLLEGE:** School of Medicine  
**PRESENTATION TYPE:** Poster

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**STUDENT(s):** Amin, Radhika; Schager, Jessica; Patel, Harsheta  
**MAJOR(s):** Neuroscience, Psychology  
**TOPIC:** Investigating the Role of Adaptive Algorithms in Working Memory Training  
**FACULTY MENTOR(s):** Aaron Seitz  
**COLLEGE:** College of Humanities, Arts, and Social Sciences  
**PRESENTATION TYPE:** Poster

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**STUDENT(s):** Anisman, Samantha  
**MAJOR(s):** Psychology  
**TOPIC:** Art: The Bridge Between Video Games and Psychology  
**FACULTY MENTOR(s):** Aaron Seitz  
**COLLEGE:** College of Humanities, Arts, and Social Sciences  
**PRESENTATION TYPE:** Poster
STUDENT(s): ARINGER, ALEXANDRA  
MAJOR(s): PSYCHOLOGY  
TOPIC: ETHNIC DIFFERENCES IN PERCEPTIONS OF MENTAL ILLNESS  
FACULTY MENTOR(s): JIMMY CALANCHINI  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: Poster

STUDENT(s): ASSAD, SAMANTHA; SANDHU, MANBIR  
MAJOR(s): BIOCHEMISTRY, CELL, MOLECULAR, & DEVELOPMENTAL BIOLOGY  
TOPIC: CHRONIC LOW DOSE RACEMIC BACLOFEN IN A MOUSE MODEL OF FRAGILE X SYNDROME  
FACULTY MENTOR(s): DEVIN BINDER  
COLLEGE: SCHOOL OF MEDICINE  
PRESENTATION TYPE: Poster

STUDENT(s): BADANI, ALIASGAR  
MAJOR(s): MECHANICAL ENGINEERING  
TOPIC: MECHANICS AND DYNAMICS OF ICE SHEET FLOW  
FACULTY MENTOR(s): BHARGAV RALLABANDI  
COLLEGE: BOURNS COLLEGE OF ENGINEERING  
PRESENTATION TYPE: Oral

STUDENT(s): BALLEW, JACOB  
MAJOR(s): ENGLISH  
TOPIC: BREAK A LEG  
FACULTY MENTOR(s): ERITH JAFFE-BERG  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: Poster
STUDENT(s): BENEDUM, JONATHAN
MAJOR(s): NEUROSCIENCE
TOPIC: ASCORBIC ACID CONCENTRATION AND TRABECULAR MESHWORK CELL PROLIFERATION, A POTENTIAL TREATMENT OF GLAUCOMA
FACULTY MENTOR(s): JOSHUA MORGAN
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: Poster

STUDENT(s): BERGMANN, KATELYNN; ACAEMPONG, RECHAE; WILSON, MELISSA
MAJOR(s): PSYCHOLOGY
TOPIC: PROFILE OF BREAST CANCER SURVIVORS WITH HIGH FEAR OF CANCER RECURRENCE
FACULTY MENTOR(s): KATE SWEENY
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(s): BERMEJO, HENRY
MAJOR(s): BIOCHEMISTRY
TOPIC: ALLELIC VARIATION IN THE TERMINAL ENCODING REGIONS OF FLAGELLIFORM SPIDROIN OF LATRODECTUS HESPERUS
FACULTY MENTOR(s): MATTHEW COLLIN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(s): BOLOORIAN, SAMAAN; TUOT, AMILY
MAJOR(s): PSYCHOLOGY, NEUROSCIENCE
TOPIC: BIMODAL AND CROSSMODAL TRAINING FOR FACILITATING AUDITORY TALKER RECOGNITION
FACULTY MENTOR(s): LAWRENCE ROSENBLUM
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster
STUDENT(S): BUSH, Tatiana
MAJOR(S): ENTOMOLOGY
TOPIC: PHYLOGENY AND TAXONOMY OF ECTRICHODIELLA FRACKER AND BRUNER, 1924, WITH DOCUMENTATION OF THREE NEW EXTANT AND FOSSIL SPECIES
FACULTY MENTOR(S): CHRISTIANE WEIRAUCH
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Oral

STUDENT(S): CALERO-LANDA, JONATHAN
MAJOR(S): BIOCHEMISTRY
TOPIC: GENE EDITING IN WHITEFLY BEMISIA TABACI MEAM 1
FACULTY MENTOR(S): PETER ATKINSON, LINDA WALLING
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): CASTANEDA RIOS, HUGO; KHAN, ARMASH; LAARIBI, RAJAA; TRAN-VO, JESSIE
MAJOR(S): PSYCHOLOGY, BIOLOGY, BIOCHEMISTRY
TOPIC: THE ABILITY OF HAPTIC SEARCH WITHOUT VISUAL CUES
FACULTY MENTOR(S): DAVID ROSENBAUM
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): CAUFIELD, MADELYN; KADOOKA, KELLAN
MAJOR(S): PSYCHOLOGY
TOPIC: FROM LOCOMOTION TO LANGUAGE: DEVELOPMENTAL CHANGES IN INFANTS' EVERYDAY LEARNING OPPORTUNITIES
FACULTY MENTOR(S): JOHN FRANCHAK
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster
STUDENT(s): CHAN, ERIC
MAJOR(s): COMPUTER SCIENCE
TOPIC: TEMPORALITY IN MATHEMATICS
FACULTY MENTOR(s): ERICH RECK
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: ORAL

STUDENT(s): CHEN, MADELEINE
MAJOR(s): BIOENGINEERING
TOPIC: OPTIMIZATION OF HELICAL MICROCHANNEL GEOMETRY FOR GENERATING STABLE TRAINS OF SELF-ORDERED FLAT PLATE MICROPARTICLES IN CONTINUOUS FLOWS
FACULTY MENTOR(s): VICTOR RODGERS
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: POSTER

STUDENT(s): CHIU, MAGGIE
MAJOR(s): BIOENGINEERING
TOPIC: ANALYZING THE COMMUNICATION OF HEDGEHOG AND HIPPO SIGNALING IN EPITHELIAL AND STROMAL CELL COCULTURES
FACULTY MENTOR(s): JOSHUA MORGAN
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: POSTER

STUDENT(s): CHONG, EMILY
MAJOR(s): CELL, MOLECULAR, & DEVELOPMENTAL BIOLOGY
TOPIC: IDENTIFICATION OF TRANSCRIPTIONAL ACTIVATION DOMAIN (TAD) IN PHYTOCHROME-INTERACTING TRANSCRIPTION FACTOR (PIF) FAMILY
FACULTY MENTOR(s): MENG CHEN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER
STUDENT(S): CHU, DANIEL; YEUNG, RAYMOND
MAJOR(S): BIOENGINEERING
TOPIC: MAXIMIZING SORTING EFFICIENCY AND THROUGHPUT OF FLAT PLATE PARTICLES IN A MULTICHANNEL MICROFLUIDIC DEVICE
FACULTY MENTOR(S): VICTOR RODGERS, WILLIAM GROVER, PHILIP BRISK
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: POSTER

STUDENT(S): CORONADO, CARINA
MAJOR(S): PSYCHOLOGY
TOPIC: LATINX PARENTS' CULTURAL BELIEFS, VALUES, AND ASPIRATIONS REGARDING PRESCHOOLERS' EDUCATION
FACULTY MENTOR(S): ELIZABETH DAVIS
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(S): CORT, ANTHONY
MAJOR(S): CELL, MOLECULAR, & DEVELOPMENTAL BIOLOGY
TOPIC: CHARACTERIZING THE ROLE OF LONG NON-CODING RNAs IN MALARIA PARASITES GENE EXPRESSION AND SURVIVAL
FACULTY MENTOR(S): KARINE LE ROCH
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: ORAL

STUDENT(S): CRIPPEN, SAMANTHA
MAJOR(S): ENVIRONMENTAL SCIENCE
TOPIC: THE IMPACTS OF SANTA ANA WINDS ON SOUTHERN CALIFORNIA POLLUTION
FACULTY MENTOR(S): WILLIAM PORTER
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL
STUDENT(S): CUTULI, MILES
MAJOR(S): BIOLOGY
TOPIC: THE EFFECT OF DIFFERENT SURFACTANTS ON THE PHOTOSTABILITY OF AVOBENZONE IN SUNSCREENS
FACULTY MENTOR(S): CHRISTOPHER BARDEEN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): DARCH, WILLIAM
MAJOR(S): BIOENGINEERING
TOPIC: LENTIVIRAL TRANSDUCTION OF TARDIGRADE UNIQUE PROTEINS FOR CHRONIC STRESS TOLERANCE STUDIES
FACULTY MENTOR(S): JOSHUA MORGAN
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: Poster

STUDENT(S): DAWSON, ASHLEY
MAJOR(S): NEUROSCIENCE
TOPIC: TLR4 REGULATION OF EXCITATORY AND INHIBITORY BALANCE IN THE UNINJURED AND INJURED BRAIN
FACULTY MENTOR(S): VIJI SANTHAKUMAR
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): DIAZ, COBI
MAJOR(S): BIOLOGY
TOPIC: STIMULATING ENDOGENOUS NEURAL PROGENITOR CELLS TO PRODUCE MYELIN MAKING CELLS IN A MOUSE MODEL OF MULTIPLE SCLEROSIS
FACULTY MENTOR(S): SEEMA TIWARI-WOODRUFF
COLLEGE: SCHOOL OF MEDICINE
PRESENTATION TYPE: Poster
HEALTH PROFESSIONS ADVISING CENTER

The Health Professions Advising Center at UCR provides information, advising, and support for students who aspire to graduate/professional programs in the health professions.

Explore. Prepare. Apply.

HPAC Services:
- Health Career Advising
- Workshops/Events
- Co-Curricular Involvement
- HPAC Peer Ambassadors
- Application Assistance

Start here!

hpac.ucr.edu
STUDENT(s): DIAZ, ROXANNA  
MAJOR(s): PSYCHOLOGY  
TOPIC: RELIGIOSITY AND DISPOSITIONAL OPTIMISM WHILE AWAITING BREAST CANCER DIAGNOSIS  
FACULTY MENTOR(s): KATE SWEENY  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: ORAL

STUDENT(s): DOWNEY, ANDRES  
MAJOR(s): SOCIOLOGY, POLITICAL SCIENCE  
TOPIC: NEOLIBERALISM AND FILM IN LATIN AMERICA  
FACULTY MENTOR(s): IVAN AGUIRRE  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: ORAL

STUDENT(s): DURO, ALYSSA  
MAJOR(s): ENVIRONMENTAL SCIENCE  
TOPIC: SOIL CARBON DYNAMICS AS A FUNCTION OF SOIL MOISTURE IN A FURROW IRRIGATED ORANGE ORCHARD  
FACULTY MENTOR(s): SAMANTHA YING  
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
PRESENTATION TYPE: ORAL

STUDENT(s): DURRETT, LEIGHANNE  
MAJOR(s): BIOLOGY  
TOPIC: INVESTIGATING THE USE OF PRIOR KNOWLEDGE IN A VISUAL SEARCH PARADIGM  
FACULTY MENTOR(s): RACHEL WU  
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
PRESENTATION TYPE: POSTER
STUDENT(s): EDMONDSON, AMBER
MAJOR(s): THEATRE, FILM, & DIGITAL PRODUCTION
TOPIC: COSTUME, HAIR, AND MAKEUP PROCESS FOR A WEB SERIES
FACULTY MENTOR(s): PATRICIA CARDOSO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL

STUDENT(s): FISHER, CAMILA
MAJOR(s): POLITICAL SCIENCE
TOPIC: CHILDHOOD EDUCATION AS AN ENVIRONMENTAL POLICY ALTERNATIVE
FACULTY MENTOR(s): BRUCE BABCOCK
COLLEGE: SCHOOL OF PUBLIC POLICY
PRESENTATION TYPE: POSTER

STUDENT(s): FLETES, ELIZABETH
MAJOR(s): BIOLOGY
TOPIC: UNDERSTANDING THE ROLE OF INTEREST IN MOTIVATION TO LEARN
FACULTY MENTOR(s): ANNIE STANFIELD DITTA, RACHEL WU
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(s): FOGEL, DUSTIN; HUANG, ANJIN; AGUILAR, CARLOS; LE, MAIVY
MAJOR(s): PLANT BIOLOGY, BIOCHEMISTRY
TOPIC: DEVELOPMENT OF A METHOD FOR HETEROLOGOUS EXPRESSION OF MOSS METHYLTRANSFERASES IN PICHIA PASTORIS YEAST
FACULTY MENTOR(s): EUGENE NOTHNAGEL, MARTHA OROZCO-CARDENAS
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER
STUDENT(S): GODINEZ, NANCY; MULJI, AVANTI; LOPEZ, SIERRA; RAMASAMY, PONMATHI; PICKLE, ALLISON
MAJOR(S): BIOENGINEERING
TOPIC: DESIGN AND DEVELOPMENT OF AN AUTOMATED DEVICE TO ASSIST INFANT SITTING POSTURAL CONTROL
FACULTY MENTOR(S): ELANA KOKKONI, KONSTANTINOS KARYDIS
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: Poster

STUDENT(S): GOMEZ, ANDREW; MILLS, ALISON
MAJOR(S): BIOCHEMISTRY
TOPIC: ASSESSING TAN1-YFP AND CFP-AIR9 CO-LOCALIZATION TO REVEAL GENETIC RELATIONSHIP
FACULTY MENTOR(S): CAROLYN RASMUSSEN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE:

STUDENT(S): GOMEZ, TIFFANY; SILLARS, ANGELA
MAJOR(S): PSYCHOLOGY
TOPIC: THE POWER OF WORDS: THE LINK BETWEEN DEPRESSION SYMPTOMATOLOGY, LABILE SELF-ESTEEM, AND WORD USE IN THE CONTEXT OF AUTOBIOGRAPHICAL MEMORIES
FACULTY MENTOR(S): ELIZABETH DAVIS
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): GONZALEZ, VANESSA; ANGULO, JANET
MAJOR(S): LIBERAL STUDIES, SOCIOLOGY
TOPIC: GENDER DIFFERENCES IN CONFIDENCE AND WILLINGNESS TO SHARE IDEAS IN MATH
FACULTY MENTOR(S): KINNARI ATIT, MEAGHAN McMURRAN
COLLEGE: GRADUATE SCHOOL OF EDUCATION
PRESENTATION TYPE: Poster
STUDENT(s): GRAHAM CASTANEDA, OLENKA
MAJOR(s): PSYCHOLOGY
TOPIC: THE FUNCTIONS AND NEURAL CORRELATES OF CONSCIOUSNESS: ON THE INITIATION OF ACTION
FACULTY MENTOR(s): MEGAN PETERS
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: ORAL

STUDENT(s): GREEN, JACOB
MAJOR(s): ENGLISH
TOPIC: MITSKI MIYAWAKI: RESISTING NORMATIVITY THROUGH ARTICULATING MARGINALIZED EXPERIENCES
FACULTY MENTOR(s): RICHARD RODRIGUEZ
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: ORAL

STUDENT(s): HAYASHI, MARI
MAJOR(s): COMPUTER SCIENCE
TOPIC: RELATIONSHIP BETWEEN BACKGROUND MUSIC AND COGNITIVE CONTROL
FACULTY MENTOR(s): AARON SEITZ
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(s): HOPKINS, JULIA; SOHAL, SIMRIT
MAJOR(s): NEUROSCIENCE
TOPIC: INDIVIDUAL DIFFERENCES IN SUSCEPTIBILITY TO SELF-CONCEPT CHANGE: EXAMINING INTER-INDIVIDUAL MALLEABILITY OF SELF-VIEWS AS REWARD-BASED LEARNING
FACULTY MENTOR(s): BRENT HUGHES
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: ORAL
STUDENT(S): Ibrahim, Kirolos  
MAJOR(S): Neuroscience  
TOPIC: The Effect of Hippocampal Integrity and Volume on Recall Memory in Healthy Aging  
FACULTY MENTOR(S): Ilana Bennett  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Oral

STUDENT(S): Ifediba, David  
MAJOR(S): Psychology  
TOPIC: The Social Cognition of Weight: An Intersectional Approach  
FACULTY MENTOR(S): Jimmy Calanchini  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Poster

STUDENT(S): Jonasen, Alexandra  
MAJOR(S): Anthropology, Art History  
TOPIC: Application of the Geospatial Method to On-Floor Assemblages: A Case Study from the Classic Maya City of El Palmar, Mexico  
FACULTY MENTOR(S): Kenichiro Tsukamoto  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Poster

STUDENT(S): Kamath, Rohan  
MAJOR(S): Cell, Molecular, & Developmental Biology  
TOPIC: Examining the Inflammatory Responses of Salton Sea Dust in Lung Tissue  
FACULTY MENTOR(S): Tara Nordgren  
COLLEGE: School of Medicine  
PRESENTATION TYPE: Oral
STUDENT(s): Kang, Susie
MAJOR(s): Biology
TOPIC: Cofactor-Mediated Supramolecular Catalysis
FACULTY MENTOR(s): Richard Hooley
COLLEGE: College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster

STUDENT(s): Kim, Janice; Diep, Beatrice; Uyehara, Aimee
MAJOR(s): Biology, Biochemistry
TOPIC: TANGLED1 Localization in dcd1 Single Mutants Shows Defects in Division Plane Orientation and Microtubule Structures
FACULTY MENTOR(s): Carolyn Rasmussen
COLLEGE: College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster

STUDENT(s): Koga, Alice
MAJOR(s): Philosophy
TOPIC: Objectification and Humanism in Misogyny
FACULTY MENTOR(s): Andreja Novakovic
COLLEGE: College of Humanities, Arts, and Social Sciences
PRESENTATION TYPE: Oral

STUDENT(s): Koudsi, Serene
MAJOR(s): Biology
TOPIC: In vitro Regeneration for Genetic Transformation of Avocado and Lettuce
FACULTY MENTOR(s): Robert Jinkerson, Martha Orozco
COLLEGE: Bourns College of Engineering, College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster
STUDENT(S): LANG, CHELSEA; HOPKINS, JULIA; GLENN, DANA
MAJOR(S): BIOENGINEERING, NEUROSCIENCE, PSYCHOLOGY
TOPIC: ANXIETY-RELATED BIASES IN THE INTERPRETATION OF AMBIGUOUS FACIAL AFFECT
FACULTY MENTOR(S): KALINA MICHALSKA
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): LARA, JOSE
MAJOR(S): GEOLOGY
TOPIC: BLACK HILLS ANOMALY COMPARED TO INTERPOLATED MOHO TOPOGRAPHY
FACULTY MENTOR(S): HEATHER FORD
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): LARSEN, HALEY
MAJOR(S): BIOCHEMISTRY
TOPIC: MECHANISM OF PHOTOBODY FORMATION IN PLANT LIGHT SIGNALING
FACULTY MENTOR(S): MENG CHEN
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Oral

STUDENT(S): LAT, YEE
MAJOR(S): PSYCHOLOGY
TOPIC: TRADEOFF BETWEEN MOTOR AND MEMORY SKILLS IN A BLOCK-COPYING TASK
FACULTY MENTOR(S): JOHN FRANCHAK
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster
STUDENT(s): Le, Maivy; Huang, Anjin  
MAJOR(s): Biochemistry, Plant Biology  
TOPIC: Development of Methods for Generating Physcomitrella patens Mutants with Disabled Methyltransferase Genes  
FACULTY MENTOR(s): Eugene Notnagel, Martha Orozco-Cardenas  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Poster

STUDENT(s): Lebada, Lena  
MAJOR(s): Neuroscience  
TOPIC: Ecdysis Triggering Hormone in Aedes aegypti Reproduction: Focus on Male Reproductive Potential  
FACULTY MENTOR(s): Micheal Adams  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Poster

STUDENT(s): Lee, Deonte  
MAJOR(s): Media and Cultural Studies  
TOPIC: Documenting Underground Queer Nightlife Culture Through Photography  
FACULTY MENTOR(s): Richard Rodriguez  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Creative Activity: Oral

STUDENT(s): Levi, Hailey  
MAJOR(s): Cell, Molecular, & Developmental Biology  
TOPIC: Behavioral Response of Aedes Aegypti to Amino Acids  
FACULTY MENTOR(s): Anupama Dahanukar  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Poster
STUDENT(S): LI, KELLAND; SU, YU-CHUN (WENDY)
MAJOR(S): THEATRE, FILM, & DIGITAL PRODUCTION
TOPIC: FILMING AND EDITING OVERTHINK IT, A PILOT EPISODE WEB SERIES
FACULTY MENTOR(S): PATRICIA CARDOSO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL

STUDENT(S): LI, KELLAND; VAN BATTUM, NIKOLAS VAN
MAJOR(S): THEATRE, FILM, & DIGITAL PRODUCTION
TOPIC: PRODUCING THE RESISTANCE WEB SERIES RESEARCH SYMPOSIUM
FACULTY MENTOR(S): PATRICIA CARDOSO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL

STUDENT(S): LOGAN, DANIELLE
MAJOR(S): BIOLOGY
TOPIC: PLANT FUNCTIONAL TRAITS PREDICT SUSCEPTIBILITY OF OAKS TO GOLD-SPOTTED OAK BORER
FACULTY MENTOR(S): MARKO SPASOJEVIC
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(S): LOPEZ, DIANA
MAJOR(S): CHEMISTRY
TOPIC: SYNTHESIS OF SALICYLIC ACID-BASED POLY(ANHYDRIDE-ESTERS)
FACULTY MENTOR(S): KATHRYN UHRICH
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER
STUDENT(s): Lu, Vivienne  
MAJOR(s): Liberal Studies, Asian American Studies  
TOPIC: Re-Modeling Minority: The Asian American Experience and Identity  
FACULTY MENTOR(s): Jennifer Najera  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Creative Activity: Poster

STUDENT(s): Mach, Dien; Zhang, James; Banana, Gabrielle  
MAJOR(s): Biochemistry, Psychology  
TOPIC: Comparing the Arm's Rotational Range of Motion when Flexed versus Extended  
FACULTY MENTOR(s): David Rosenbaum  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Poster

STUDENT(s): Mak, Amber  
MAJOR(s): History  
TOPIC: Sex Work as a Means of Studying the Constitution of American Gender and Social Relations During WWII  
FACULTY MENTOR(s): Randolph Head, Ann Goldberg  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Oral

STUDENT(s): Malkus, Nicholas  
MAJOR(s): Biology  
TOPIC: Role of the GOGAT Cycle in a Nutritional Insect-microbe Symbiosis  
FACULTY MENTOR(s): Allison Hansen  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Oral
STUDENT(S): McKissick, Dylan  
MAJOR(S): Theatre, Film, and Digital Production  
TOPIC: Writing Screenplays for Episodic Content  
FACULTY MENTOR(S): Patricia Cardoso  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Creative Activity: Poster

STUDENT(S): Medina-Yerena, Diana  
MAJOR(S): Biochemistry  
TOPIC: Effect of Leucine Aminopeptidase-A on Resistance to Pseudomonas syringae pv. tomato  
FACULTY MENTOR(S): Linda Walling  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Poster

STUDENT(S): Mendez, Jose  
MAJOR(S): Biology  
TOPIC: Identification of cis-regulatory Elements That Mediate Gene Expression Responses to Karrikins from Smoke  
FACULTY MENTOR(S): David Nelson  
COLLEGE: College of Natural and Agricultural Sciences  
PRESENTATION TYPE: Poster

STUDENT(S): Meza, Eva  
MAJOR(S): Psychology  
TOPIC: Does treatment with a serotonin receptor agonist reduce symptoms in an Autism Spectrum Disorder (ASD)?  
FACULTY MENTOR(S): Khaleel Abdulrazak  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Oral
**STUDENT(S):** Michaels, Kelsey  
**MAJOR(S):** Psychology  
**TOPIC:** Modulating Infant Attentional Selection in a Free-viewing Task  
**FACULTY MENTOR(S):** John Franchak  
**COLLEGE:** College of Humanities, Arts, and Social Sciences  
**PRESENTATION TYPE:** Poster

**STUDENT(S):** Mirza, Hafsa; Hoang, Cindy; Bautista, Ashley  
**MAJOR(S):** Mathematics for Teachers of Secondary School, Psychology  
**TOPIC:** Can Phonetic Convergence Facilitate Speech Comprehension?  
**FACULTY MENTOR(S):** Lawrence Rosenblum  
**COLLEGE:** College of Humanities, Arts, and Social Sciences  
**PRESENTATION TYPE:** Poster

**STUDENT(S):** Mitchell, Brendan  
**MAJOR(S):** Neuroscience  
**TOPIC:** Multimodal MRI Study Using Convolutional Neural Networks for Schizophrenia Classification  
**FACULTY MENTOR(S):** Xiaoping Hu  
**COLLEGE:** Bourns College of Engineering  
**PRESENTATION TYPE:** Oral

**STUDENT(S):** Molina, Steven; Blencowe, Kristin; Lara-Alejandro, Cindy; Huang, Meiyu  
**MAJOR(S):** Biology, Psychology  
**TOPIC:** Assessing Training Stimuli for an Emotion Recognition Neural Net  
**FACULTY MENTOR(S):** Aaron Seitz  
**COLLEGE:** College of Humanities, Arts, and Social Sciences  
**PRESENTATION TYPE:** Poster
STUDENT(S): MONAJJEMI, HOOMAN  
MAJOR(S): BIOENGINEERING  
TOPIC: REGIONAL VARIATIONS IN VASCULATURE OF GUBERNACULUMS MAY PROVIDE INSIGHT ON UNKNOWN CRYPTORCHIDISM MECHANISMS  
FACULTY MENTOR(S): JOSHUA MORGAN  
COLLEGE: BOURNS COLLEGE OF ENGINEERING  
PRESENTATION TYPE: Poster

STUDENT(S): MOORE, SAHAYLA  
MAJOR(S): SOCIOLOGY  
TOPIC: THE BLACK SHEEP: SOCIOLOGICAL PERSPECTIVES AND IDENTITY  
FACULTY MENTOR(S): JENNIFER SIMMERS, ADALBERTO AGUIRRE  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: Poster

STUDENT(S): MORA, MARCELLA  
MAJOR(S): ANTHROPOLOGY  
TOPIC: VIRTUAL RECONSTRUCTION OF HUNGSU CHILD  
FACULTY MENTOR(S): SANG-HEE LEE  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: Oral

STUDENT(S): MORALES, MARYANN; CLARK, JOHN; DERR, JAMES  
MAJOR(S): CHEMISTRY, BIOENGINEERING, BIOCHEMISTRY  
TOPIC: FLUORESCENTLY LABELED MAGNETIC MICROBEADS FOR EXPERIMENTAL SINGLE-MOLECULAR MECHANICS  
FACULTY MENTOR(S): VALENTINE VULLEV  
COLLEGE: BOURNS COLLEGE OF ENGINEERING  
PRESENTATION TYPE: Poster
STUDENT(s): Moreno, Alondra; Frausto-Vicencio, Isis

MAJOR(s): ENVIROMENTAL SCIENCES

TOPIC: LOW-COST GAS CHROMATOGRAPH FOR BTEX DETECTION

FACULTY MENTOR(s): Francesca Hopkins

COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES

PRESENTATION TYPE: Poster

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STUDENT(s): Murphy, Courtney; Alvelais, Teresa, Mortezaei, Kiana; Henbest, Grace

MAJOR(s): BIOCHEMISTRY, CHEMISTRY, BIOLOGY, EDUCATION

TOPIC: EFFICACY OF AN ASYNCHRONOUS ONLINE PREPATORY CHEMISTRY COURSE: A POST-hoc ANALYSIS

FACULTY MENTOR(s): Jack Eichler

COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES

PRESENTATION TYPE: Poster

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STUDENT(s): Neri, Christian

MAJOR(s): BIOCHEMISTRY

TOPIC: SEARCH FOR GENETIC FACTORS CONTROLLING DOUBLE FERTILIZATION IN PLANTS

FACULTY MENTOR(s): Adam Lukaszewski

COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES

PRESENTATION TYPE: ORAL

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STUDENT(s): Ngo, Eric

MAJOR(s): BIOCHEMISTRY

TOPIC: EFFECTS OF SEQUENCING RANGE AND DEPTH ON THE INFERENCE OF FITNESS EFFECTS OF MUTATIONS IN HIV EVOLUTION

FACULTY MENTOR(s): John Barton

COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES

PRESENTATION TYPE: Poster
STUDENT(s): NGO, Kaitlyn
MAJOR(s): BIOLOGY
TOPIC: SUGAR–BASED AMPHIPHILIC ANTIMICROBIALS DELIVERED VIA PAA HYDROGELS: CONTROLLED RELEASE OF ANTIMICROBIAL
FACULTY MENTOR(s): Kathryn Uhrich
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(s): Nguyen, Ally
MAJOR(s): BIOLOGY
TOPIC: METABOLIC RATE AS A RESULT OF FOOD STRESS IN THE LEAST KILLIFISH, HETERANDRIA FORMOSA
FACULTY MENTOR(s): David Reznick
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(s): Olivares, Angela; Ly, Kodiak
MAJOR(s): BIOCHEMISTRY, SOCIOLOGY
TOPIC: A QUALITATIVE EVALUATION OF TRANSGENDER PATIENT EXPERIENCES IN THE INLAND EMPIRE
FACULTY MENTOR(s): Brandon Brown
COLLEGE: SCHOOL OF MEDICINE
PRESENTATION TYPE: Oral

STUDENT(s): Ortiz, Jessica
MAJOR(s): BIOENGINEERING
TOPIC: INVESTIGATING EPIGENETIC MODIFICATION OF HUMAN–INDUCED PLURIPOTENT STEM CELLS IN CORRELATION TO SPATIALLY REGULATED DIFFERENTIATION.
FACULTY MENTOR(s): Jin Nam
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: Poster
STUDENT(s): Ortiz, Michelle; Kargul, Meg
MAJOR(s): Plant Biology, Botany
TOPIC: Assessing the Role of Priority Effects Across Functional Groups in Chaparral Post-Fire Recovery
FACULTY MENTOR(s): Loralee Larios
COLLEGE: College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster

STUDENT(s): Pagett, James
MAJOR(s): Biochemistry
TOPIC: EphA4 Antagonists Stabilized by Non-Covalent Intramolecular Interactions
FACULTY MENTOR(s): Maurizio Pellecchia
COLLEGE: School of Medicine
PRESENTATION TYPE: Poster

STUDENT(s): Pente, Danielle
MAJOR(s): Biology
TOPIC: Observed Differences in Tight Junction Protein Organization between Peyer’s Patches and Villi in the Small Intestine
FACULTY MENTOR(s): David Lo
COLLEGE: School of Medicine
PRESENTATION TYPE: Poster

STUDENT(s): Perera, Alisha; Gonzalez, Ana; Syeed, Halima
MAJOR(s): Biology
TOPIC: The Effects of Productivity on Attributes of Blepharisma Species
FACULTY MENTOR(s): Kurt Anderson
COLLEGE: College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster
STUDENT ENGAGEMENT

RESEARCH. SERVE. INTERN.

INTERN //
Spend a quarter with students from other UC campuses at our locations in Sacramento or Washington, DC.
- Earn between 14 - 16 Academic Credits
- Gain real-world experience in a professional internship of your choosing
- Network with professionals in your field
- Travel and have fun with other UC students!

COMPETE //
The Office of Student Engagement provides support and guidance for qualified students in applying for national scholarships, fellowships and internships.

TEACH //
Are you passionate about a unique topic not being taught here at UCR? Why not teach your fellow students in one of our R’Courses.
- Student-led courses
- Original topics
- 1-unit
- Discussion-based, topped at 20 participants

Plan your next steps:
1st Quarter: Think of a topic, find a faculty mentor, submit your proposal
2nd Quarter: Take EDUC 102 and 1-unit independent study with your faculty mentor
3rd Quarter: Teach your course!!

RESEARCH //
Students are encouraged to participate in multiple forms of research during their academic career at UCR. Some of the ways students can become involved in research are:
- **Research Portal** - Find the right research project to become involved with by searching through our Research Portal.
- **Mini-Grants** - Fund Research expenses or Conference Travel to present your research, up to $1,000.
- **Research Symposium** - Present your research poster or oral presentation at our yearly spring symposium.
- **Research Journal** - Publish your research in our peer-reviewed journal, or join our editorial board.
- **Chancellor’s Research Fellowship** - 14 students are awarded $5,750.00 to engage in faculty mentored research and creative activity projects each summer.

UCR Undergraduate Education
SE.UCR.EDU

Office of Student Engagement
1100 Hinderaker Hall
951.827.7750
se.ucr.edu
STUDENT(s): Perrier, Timothy; Lewis, Jacob
MAJOR(s): Electrical Engineering, Materials Science and Engineering
TOPIC: Power Cycling and Reliability Testing of Epoxy-Based Graphene Thermal Interface Materials
FACULTY MENTOR(s): Alexander Balandin, Fariborz Kargar
COLLEGE: Bourns College of Engineering
PRESENTATION TYPE: Poster

STUDENT(s): Pickle, Allison
MAJOR(s): Bioengineering
TOPIC: Investigation of Fast Strike Termite Mandibles for Strong and Tough Materials
FACULTY MENTOR(s): David Kisailus
COLLEGE: Bourns College of Engineering
PRESENTATION TYPE: Oral

STUDENT(s): Rabiee, Shayan
MAJOR(s): Political Science
TOPIC: The Gaza Strip: Conflicts of International Law and Yesh Din v. Chief of General Staff, IDF
FACULTY MENTOR(s): Bronwyn Leebaw
COLLEGE: College of Humanities, Arts, and Social Sciences
PRESENTATION TYPE: Oral

STUDENT(s): Rahman, Fareed; Raj, Andrea
MAJOR(s): Biology, Neuroscience
TOPIC: Anatomical Characteristics of a Class of Interneurons in Molecular Layer of the Hippocampal Dentate Gyrus
FACULTY MENTOR(s): Viji Santhakumar
COLLEGE: College of Natural and Agricultural Sciences
PRESENTATION TYPE: Poster
STUDENT(S): RAMIREZ, CHELSEA
MAJOR(S): THEATRE, FILM, & DIGITAL PRODUCTION, CREATIVE WRITING
TOPIC: BABY - SEPARATION AND FILMMAKING DURING A QUARANTINE
FACULTY MENTOR(S): PATRICIA CARDOSO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL

STUDENT(S): RAMIREZ, ESTEVAN
MAJOR(S): ANTHROPOLOGY
TOPIC: PHOTOGRAMMETRIC DOCUMENTATION OF BURIALS AT THE ARCHAEOLOGICAL SITE OF EL PALMAR, MEXICO
FACULTY MENTOR(S): KENICHIRO TSUKAMOTO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(S): REYNOLDS-LATINO, SOPHIA
MAJOR(S): THEATRE, FILM, & DIGITAL PRODUCTION
FACULTY MENTOR(S): PATRICIA CARDOSO
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: CREATIVE ACTIVITY: ORAL

STUDENT(S): RODRIGUEZ-RUIZ, KIMBERLY
MAJOR(S): LIBERAL STUDIES
TOPIC: CHICANO STUDIES: THE GREATER IMPACT ON CHICANOS' ACADEMIC SUCCESS
FACULTY MENTOR(S): JENNIFER NAJERA
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: ORAL
STUDENT(S): SALINAS, KIMBERLY; AJAYI, MOYINOLUWA
MAJOR(S): BIOLOGY, NEUROSCIENCE
TOPIC: ROLE OF LATROPHILIN-2 IN ENTRHINAL CORTEX NEURONS
FACULTY MENTOR(S): GARRET ANDERSON
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(S): SANDHU, MANBIR; ASSAD, SAMANTHA
MAJOR(S): CELL, MOLECULAR, & DEVELOPMENTAL BIOLOGY
TOPIC: SINGLE HIGH DOSE RACEMIC BACLOFEN IN A MOUSE MODEL OF FRAGILE X SYNDROME
FACULTY MENTOR(S): DEVIN BINDER
COLLEGE: SCHOOL OF MEDICINE
PRESENTATION TYPE: POSTER

STUDENT(S): SAUCEDO, JANELLE; MORALES, KARINA; NUNEZ-BELICA, JESUS
MAJOR(S): BIOLOGY
TOPIC: THE EFFECT OF BISPHENOL A ON MORTALITY RATE OF THE PROTIST EUPLOTES
FACULTY MENTOR(S): KURT ANDERSON
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(S): SEO, CATHERINE
MAJOR(S): BIOENGINEERING
TOPIC: DEGRADATION QUANTIFICATION AND CHARACTERIZATION OF PEDOT/PGS COATED MAGNESIUM MICROELECTRODES IN VITRO AND IN VIVO
FACULTY MENTOR(S): HUI NAN LIU
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: POSTER
STUDENT(S): SHADDY, BRYAN
MAJOR(S): MECHANICAL ENGINEERING
TOPIC: SEA ICE FLOE DYNAMICS AND SEA ICE INTERACTIONS
FACULTY MENTOR(S): BHARGAV RALLABANDI
COLLEGE: BORNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: Poster

STUDENT(S): SHAPOVALOV, MAXIM
MAJOR(S): GEOLOGY
TOPIC: DETERMINATION OF UPPER MANTLE ANISOTROPY IN THE WYOMING CRATON USING SHEAR WAVE SPLITTING ANALYSIS
FACULTY MENTOR(S): HEATHER FORD
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): SIMHAIRY, LUKE; ARNOLD, ELISHA; MENDOZA, LINETTE
MAJOR(S): BIOLOGY, PSYCHOLOGY
TOPIC: VALIDATION OF TABLET-BASED MEASURES OF WORKING MEMORY
FACULTY MENTOR(S): AARON SEITZ
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster

STUDENT(S): SINGH, JUSTIN
MAJOR(S): NEUROSCIENCE
TOPIC: ANALYZING SOCIAL MEDIA AND STUDENTS ACADEMIC PERFORMANCE
FACULTY MENTOR(S): JEROME WINTER
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: Poster
STUDENT(s): SINGH, PRABH PARTAP  
MAJOR(s): NEUROSCIENCE  
TOPIC: ENDOCANNABINOID REGULATION OF HELMINTH INDUCED HYPOPHAGIA  
FACULTY MENTOR(s): NICHOLAS DI PATRIZIO  
COLLEGE: SCHOOL OF MEDICINE  
PRESENTATION TYPE: POSTER

STUDENT(s): SMITH, TYLER  
MAJOR(s): PHYSICS  
TOPIC: WFIRST CGI PRECURSOR IMAGING  
FACULTY MENTOR(s): STEPHEN KANE  
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
PRESENTATION TYPE: ORAL

STUDENT(s): STEINHAUSER, JORDAN, PASTORE, JUSTIN  
MAJOR(s): NEUROSCIENCE  
TOPIC: PREFRONTAL CORTEX ASSEMBLY ACTIVATION ASSOCIATED WITH CONTEXTUAL FEAR DISCRIMINATION  
FACULTY MENTOR(s): EDWARD KORZUS  
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES  
PRESENTATION TYPE: ORAL

STUDENT(s): STIRWALT, CHRISTINA; FARHAN, MUTAHIR; BHAKTA, PARASH; SALLOUM, LOUIE; MEHDIZADEH, CHRIS; OGHENESUME, OGHENEWOMA  
MAJOR(s): BIOLOGY, MEDICINE, NEUROSCIENCE  
TOPIC: INCIDENCE OF STRESS, ANXIETY, AND DEPRESSION IN MEDICAL STUDENTS AT UCR SCHOOL OF MEDICINE  
FACULTY MENTOR(s): KENDRICK DAVIS  
COLLEGE: SCHOOL OF MEDICINE  
PRESENTATION TYPE: POSTER
STUDENT(s): SYED, SHAYAAN
MAJOR(s): BIOLOGY
TOPIC: MODERNIZING INTRO BIO AT UCR: HOW HYBRID COURSES MIGHT HELP STUDENTS LEARN MORE
FACULTY MENTOR(s): MORRIS MADURO
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES
PRESENTATION TYPE: POSTER

STUDENT(s): TABILIN, DERRIAN
MAJOR(s): PSYCHOLOGY
TOPIC: INTERACTION OF CULTURAL DEAFNESS AND ETHNICITY ON IDENTITY DEVELOPMENT AMONG ADOLESCENTS ATTENDING A DEAF SCHOOL
FACULTY MENTOR(s): TUPPETT YATES
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: ORAL

STUDENT(s): TANG, TAMARA
MAJOR(s): BIOENGINEERING
TOPIC: CHARACTERIZING COGNITIVE SIGNATURES AND METACOGNITIVE SENSITIVITY IN ABSOLUTE PITCH INDIVIDUALS
FACULTY MENTOR(s): MEGAN PETERS
COLLEGE: BOURNS COLLEGE OF ENGINEERING
PRESENTATION TYPE: ORAL

STUDENT(s): TRUJILLO, JORGE
MAJOR(s): POLITICAL SCIENCE
TOPIC: THE U.S. IMMIGRATION COURT SYSTEM AND THE ILLUSION OF JUSTICE
FACULTY MENTOR(s): RICHARD RODRIGUEZ
COLLEGE: COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES
PRESENTATION TYPE: POSTER
STUDENT(s): Tse, Jason  
MAJOR(s): Music (Composition)  
TOPIC: Composition of Film Soundtrack for TFDP Miniseries, The Resistance  
FACULTY MENTOR(s): Patricia Cardoso, Dana Kaufman  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Oral

STUDENT(s): Uriostegui, Dhamar Morales  
MAJOR(s): Mechanical Engineering  
TOPIC: Social and Health Effects of DACA on College Students in Riverside, California  
FACULTY MENTOR(s): Jennifer Najera  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Oral

STUDENT(s): Weddle, Emily; Iyer, Vediya  
MAJOR(s): Psychology, Neuroscience  
TOPIC: Do Children Think God is Human? Gender Differences in Anthropomorphizing God across Domains  
FACULTY MENTOR(s): Rebekah Richert  
COLLEGE: College of Humanities, Arts, and Social Sciences  
PRESENTATION TYPE: Poster

STUDENT(s): Wright, Gillian; Radecki, Kelly  
MAJOR(s): Microbiology, Biomedical Sciences  
TOPIC: Sex Differences in Mouse Liver Prolactin Receptors are the Result of Expression Levels and not Differential Splicing  
FACULTY MENTOR(s): Ameae Walker  
COLLEGE: School of Medicine  
PRESENTATION TYPE: Oral
STUDENT(s): WUCKER, JORDAN  
MAJOR(s): BIOCHEMISTRY  
TOPIC: GOLD(III)-CATALYZED SYNTHESIS OF HINDERED AMINE HETEROCYCLES FROM ANILINES AND ALKynes  
FACULTY MENTOR(s): CATHARINE LARSEN  
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
PRESENTATION TYPE: Oral

STUDENT(s): XAYPRASEUTH, AMANDA  
MAJOR(s): BIOENGINEERING  
TOPIC: DEVELOPMENT OF QUANTITATIVE FORSTER RESONANCE ENERGY TRANSFER (qFRET) BASED HIGH THROUGHPUT (HTS) SCREENING FOR PD-1/PD-L1 IMMUNE-CHECKPOINT ASSAY  
FACULTY MENTOR(s): JIAYU LIAO  
COLLEGE: BOURNS COLLEGE OF ENGINEERING  
PRESENTATION TYPE: Poster

STUDENT(s): YNZUNZA, JENNA; SHAH, SOHAM; PAN, RYAN  
MAJOR(s): CHEMICAL ENGINEERING  
TOPIC: SYNTHESIS AND CHARACTERIZATION OF PEROVSKITE CATALYSTS FOR CARBON DIOXIDE REFORMING OF METHANE  
FACULTY MENTOR(s): LESLIE ABDUL-AZIZ  
COLLEGE: BOURNS COLLEGE OF ENGINEERING  
PRESENTATION TYPE: Poster

STUDENT(s): ZHAO, SHARON; ABONCE, GUADALUPE; RODRIGUEZ, MICHAEL  
MAJOR(s): MICROBIOLOGY, ENVIRONMENTAL SCIENCES  
TOPIC: EVALUATING GREENHOUSE GAS EMISSIONS FROM SOIL APPLICATION OF ANAEROBIC ORGANIC DIGESTATE COMPARED WITH CONVENTIONAL MANURE  
FACULTY MENTOR(s): FRANCESCA HOPKINS  
COLLEGE: COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
PRESENTATION TYPE: Poster
STUDENT(S): Zumaya, Julia

MAJOR(s): Dance

TOPIC: Voicing Lyrical Dance: (Re)considering Lyrical Dance and Dance Hierarchy

FACULTY MENTOR(S): Anthea Kraut

COLLEGE: College of Humanities, Arts, and Social Sciences

PRESENTATION TYPE: Oral
Thank you to the campus community who make the symposium a great success!

Faculty Mentors and Moderators
Oral Presentation Evaluators
Poster Judges
Jennifer Brown, Vice Provost and Dean of Undergraduate Education

College Deans

- Christopher Lynch, Dean of the Marlan and Rosemary Bourns College of Engineering
- Milagros Pena, Dean of the College of Humanities, Arts, and Social Sciences
- Kathryn Uhrich, Dean of the College of Natural and Agricultural Sciences
- Thomas Smith, Dean of the Graduate School of Education
- Yunzeng Wang, Dean of the School of Business
- Deborah Deas, Dean of the School of Medicine
- Anil Deolalikar, Dean of the School of Public Policy

Thomas Smith, Interim Provost and Executive Vice Chancellor
Kim Wilcox, Chancellor
Academy of Distinguished Teachers

Undergraduate Education
Summer Sessions, Academic Resource Center
University Writing Programs, XCITE
Chancellor’s Research Fellows, Undergraduate Research Journal Editorial Board

Student Engagement Staff, Student Workers, and Ambassadors
STUDENT ENGAGEMENT //

RESEARCH. SERVE. INTERN.

INTERN //

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• Original topics
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• Discussion-based, topped at 20 participants

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3rd Quarter: Teach your course!!

RESEARCH //

Students are encouraged to participate in multiple forms of research during their academic career at UCR. Some of the ways students can become involved in research are:
• Research Portal - Find the right research project to become involved with by searching through our Research Portal.
• Mini-Grants - Fund Research expenses or Conference Travel to present your research, up to $1,000.
• Research Symposium - Present your research poster or oral presentation at our yearly spring symposium.
• Research Journal - Publish your research in our peer-reviewed journal, or join our editorial board.
• Chancellor’s Research Fellowship - 14 students are awarded $5,750.00 to engage in faculty mentored research and creative activity projects each summer.