Schedule of Events: May 15, 2019

9:00 - 10:00am  Oral Presentations
10:00 - 11:00am Oral Presentations
12:00 – 1:00pm  Poster Sessions (Hub 302)
1:00 - 2:00pm   Oral Presentations
2:00-3:00pm     Oral Presentations
3:00 - 4:00pm   Oral Presentations
GET ENGAGED in Research at UCR

OFFICE OF STUDENT ENGAGEMENT

Research Portal
UCR offers research opportunities to undergraduates in all disciplines and academic levels, including freshmen and transfer students.

Mini-grants
Undergraduate Education (UE) offers students the opportunity to apply for funding to support research expenses or travel to present research at national conferences.

Research Journal
The Undergraduate Research Journal is a student edited multi-disciplinary journal that features the very best faculty-mentored undergraduate research and scholarship accomplished on campus.

Chancellor's Research Fellowship
The Chancellor's Research Fellowship (CRF) is a competitive award open to students in all disciplines that supports undergraduate engagement in faculty-mentored research and creative activity projects.

Research and Creative Activity Symposium
The Undergraduate Research Symposium provides the opportunity for undergraduates in all disciplines to share their research and creative in a variety of ways including: oral presentations, poster sessions, art exhibitions, and electronic media.

CONTACT
Gladis Herrera-Berkowitz
(951)827-1010
ugr@ucr.edu

UGR.UCR.EDU
#UCRresearch
WEDNESDAY, MAY 15, 2019

12:00 -1:00PM

HUB 302 POSTER PRESENTATIONS

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

B1  STUDENT: MARIA PENA, PSYCHOLOGY
TOPIC: CANCER VERSUS COLD: AM I OLD ENOUGH TO KNOW?
MENTOR: REBEKAH RICHERT, PSYCHOLOGY

B2  STUDENT: ELAINE PENG, BIOLOGY
TOPIC: MULTISENSORY FACILITATION OF WORKING MEMORY TRAINING AND TRANSFER
MENTOR: AARON SEITZ, PSYCHOLOGY

B3  STUDENT: TSUN HEI WONG, LINGUISTICS
TOPIC: DOES SPEAKING A ROMANCE LANGUAGE INCREASE THE PREFERENCE FOR REGULAR SPELLING-SOUND MAPPINGS IN A SECOND LANGUAGE WITH A DEEP ORTHOGRAPHY?
MENTOR: JUDITH KROLL, PSYCHOLOGY

B4  STUDENT: VALERIE CHACON, NATIVE AMERICAN STUDIES
TOPIC: ON SPIRITUALITY AND MENTAL HEALTH CARE MANAGEABILITY IN AN AMERICAN INDIAN URBAN COMMUNITY: A DECOLONIZED METHODOLOGICAL PRAXIS
MENTOR: GERALD CLARKE, ETHNIC STUDIES

B5  STUDENT: ROSHNI JOGIN, NEUROSCIENCE
TOPIC: CLASSIFICATION OF OCULOMOTOR STRATEGIES FOLLOWING SIMULATED CENTRAL VISION LOSS
MENTOR: AARON SEITZ, PSYCHOLOGY

B6  STUDENT: MARIAMME IBRAHIM, NEUROSCIENCE
TOPIC: THE EFFECTS OF IMMERSON ON NEW LANGUAGE LEARNING
MENTOR: JUDITH KROLL, PSYCHOLOGY

B7  STUDENT: ANDRES DOWNY, POLITICAL SCIENCE & SOCIOLOGY
TOPIC: LATINX RACIAL IDENTITY AMONG UNIVERSITY GREEK SORORITIES
MENTOR: STEVEN BRINT, SOCIOLOGY

B8  STUDENT: TRAMANH TRUONG, PSYCHOLOGY
TOPIC: THE ROLE OF PRIOR ACTION EXPERIENCES ON ACTION PERCEPTION
MENTOR: JOHN FRANCHAK, PSYCHOLOGY

B9  STUDENT: DAGOBERTO PARTIDA, PSYCHOLOGY
TOPIC: COLLEGE STUDENTS’ PERCEIVED SUPPORT FROM OFF-CAMPUS FRIENDS AND ITS ROLE IN LIFE SATISFACTION
MENTOR: MARY GAUVAIN, PSYCHOLOGY
| B10  STUDENT: SAMANTHA RAMOS, PSYCHOLOGY | TOPIC: SUBJECTIVE TASK DIFFICULTY IN TWO LANGUAGES AND ITS EFFECT ON TASK ORDERING | MENTOR: DAVID ROSENBAUM, PSYCHOLOGY |
| B11  STUDENT: JULIA KIM, PSYCHOLOGY | TOPIC: NARRATING THE ETHNIC EXPERIENCE: A COMPARISON OF ASIAN AND LATINX STUDENTS | MENTOR: WILLIAM DUNLOP, PSYCHOLOGY |
| B12  STUDENT: JORDAN FLAHERTY, PSYCHOLOGY | TOPIC: DISCOVERING INFIDELITY: THE IMPACT OF LANGUAGE ON FORGIVENESS, LIFE SATISFACTION, AND SELF-ESTEEM | MENTOR: WILLIAM DUNLOP, PSYCHOLOGY |
| B13  STUDENT: JENNY SHIM, PSYCHOLOGY | TOPIC: IS MINDFULNESS TRAINING EFFECTIVE FOR INCREASING KINDNESS TOWARDS ONESELF? ONLY FOR PHYSIOLOGICALLY WELL-REGULATED YOUTH. | MENTOR: LIZ DAVIS, PSYCHOLOGY |
| B14  STUDENT: MARTHA PARRISH, PSYCHOLOGY | TOPIC: EFFECTS OF tDCS ON SERIAL DEPENDENCE | MENTOR: AARON SEITZ, PSYCHOLOGY |
| B15  STUDENT: AISHA SAID, PSYCHOLOGY | TOPIC: ANXIETY AS IT RELATES TO INTOLERANCE OF UNCERTAINTY | MENTOR: DAVID FUNDER, PSYCHOLOGY |
| B16  STUDENT: GIANHU NGUYEN, BIOCHEMISTRY | TOPIC: NEURAL CORRELATIONS OF LEARNING MULTIPLE SKILLS IN OLDER ADULTHOOD | MENTOR: RACHEL WU, PSYCHOLOGY |
| B17  STUDENT: ADNAN SYED, NEUROSCIENCE & PSYCHOLOGY | TOPIC: SOCIAL SCIENCE | MENTOR: JUDITH KROLL, PSYCHOLOGY |

**College of Natural and Agricultural Sciences**

| B18  STUDENT: HECTOR RUVALCABA, BIOCHEMISTRY | TOPIC: HINDERED AMINES AND HETEROAROMATICs: NOVEL PYRIDYL-TRIAZOLE GOLD(III) CATALYST CONVERTS COMMERCIAL STARTING MATERIALS INTO 1,4-DIHYDROQUINOLINES | MENTOR: CATHARINE LARSEN, CHEMISTRY |
| B19  STUDENT: DIVINE GREWAL, BIOCHEMISTRY | TOPIC: EFFECTS OF STRUCTURAL MODIFICATIONS ON THE WATER SOLUBILITY OF METAL-ORGANIC CAGE COMPLEXES | MENTOR: RICHARD HOOLEY, CHEMISTRY |
| B20  STUDENT: ERIC NGO, BIOCHEMISTRY | TOPIC: DETERMINING PLANT DROUGHT TOLERANCE THROUGH COMPARISON OF LEAF AND STEM TURGOR LOSS POINT | MENTOR: LOUIS SANTIAGO, BOTANY AND PLANT SCIENCES |
B21  STUDENT: ERIC LIN, BIOCHEMISTRY
TOPIC: THE MOLECULAR BASIS OF DYSREGULATED Oncogenic mRNA Translation
MENTOR: SEAN O’LEARY, BIOCHEMISTRY

B22  STUDENT: HANNAH NAVARRETE, BIOCHEMISTRY
TOPIC: EFFECTS OF OMEGA-3 AND OMEGA-6 OXYLIPINS IN HNF4a
MENTOR: FRANCES SLADEK, MOLECULAR, CELL AND SYSTEMS BIOLOGY

B23  STUDENT: KIERA DONOGHUE, BIOENGINEERING
TOPIC: DO THE LONG-TERM TASKS OF FORMICA FRANCOEURI WORKERS INFLUENCE MANDIBULAR ATTRITION?
MENTOR: JESSICA PURCELL, ENTOMOLOGY

B24  STUDENT: NATALIE TAM, BIOENGINEERING
TOPIC: ANALYSIS OF COMMUNITY COMPOSITION OF DESERT ECOSYSTEM DUST MICROBIOMES IN SOUTHERN CALIFORNIA
MENTOR: EMMA ARONSON, PLANT PATHOLOGY AND MICROBIOLOGY

B25  STUDENT: ANGELINA LAM, BIOLOGY
TOPIC: REAL-TIME FLUORESCENT VOLUME IMAGING IN Astrocytic PROCESSES
MENTOR: TODD FIACCO, MOLECULAR, CELL AND SYSTEMS BIOLOGY

B26  STUDENT: ALEJANDRO QUINONES, BIOLOGY
TOPIC: USING MATHEMATICAL MODELING TO PREDICT DIVISION PLANE DEFECTS IN ARABIDOPSIS
MENTOR: CAROLYN RAMUSSEN, BOTANY AND PLANT SCIENCES

B27  STUDENT: ERIC CHANG, BIOLOGY
TOPIC: USING CRISPR TO EXPLORE FLESHY FRUIT DEVELOPMENT IN TOMATO
MENTOR: AMY LITT, BOTANY AND PLANT SCIENCES

B28  STUDENT: WILLIAM TAMBUNAN, BIOLOGY
TOPIC: INHIBITION OF POLY (ADP-RIbose) POLYMERASE ALTERS PLANT GROWTH
MENTOR: MARTHA OROZCO-CARDENAS, PLANT TRANSFORMATION RESEARCH CENTER

B29  STUDENT: VALERIA CARRILLO, BIOLOGY
TOPIC: EXAMINING SEX-DEPENDENCE OF ALTERED SOCIAL BEHAVIOR AND “SOCIAL” GENE EXPRESSION IN A TOXICANT EXPOSURE MOUSE MODEL
MENTOR: MARGARITA CURRAS-COLLAZO, MOLECULAR, CELL AND SYSTEMS BIOLOGY

B30  STUDENT: SUKHMANI SIDHU, BIOLOGY
TOPIC: CHARACTERIZING MITOTIC PROGRESSION AND PHRAGMoplast DEVELOPMENT IN Kinectin MUTANTS
MENTOR: CAROLYN RAMUSSEN, BOTANY AND PLANT SCIENCES

B31  STUDENT: PATRICIA RICAFLANCA, BIOLOGY
TOPIC: HN4a EXPRESSION IN THE SMALL INTESTINE OF MICE FED A HIGH SOYBEAN OIL DIET
MENTOR: FRANCES SLADEK, MOLECULAR, CELL AND SYSTEMS BIOLOGY

B32  STUDENT: JANICE KIM, BIOLOGY
TOPIC: A FORWARD GENETICS APPROACH TO DETERMINING PROTEINS NECESSARY FOR DIVISION PLANE ORIENTATION IN MAIZE PLANTS
MENTOR: CAROLYN RASMUSSEN, BOTANY AND PLANT SCIENCES

B33 STUDENT: LORI LIU, BIOLOGY
TOPIC: BARRED OWL (STRIX VARIA) FEATHER PENNULAE AND THEIR ROLE IN REDUCING STRUCTURAL NOISE IN FLIGHT
MENTOR: CHRISTOPHER CLARK, EVOLUTION, ECOLOGY, AND ORGANISMAL BIOLOGY

B34 STUDENT: LILLY HOLLINGSWORTH, BIOLOGY
TOPIC: MALE ALLEN’S HUMMINGBIRDS HOLD MATING TERRITORIES WITH ABUNDANT FOOD SOURCES
MENTOR: CHRISTOPHER CLARK, EVOLUTION, ECOLOGY, AND ORGANISMAL BIOLOGY

B35 STUDENT: VALENTINA ALONSO, BIOLOGY
TOPIC: THE NEMATODE-ASSOCIATED BACTERIUM XENORHABDUS INNEXI HAS INCREASED VIRULENCE WHEN CO-INJECTED WITH SECRETED NEMATODE PROTEIN
MENTOR: ADLER DILLMAN, NEMATOLOGY

B36 STUDENT: JEFFREY FARROW, BIOLOGY
TOPIC: CELL EXPANSION DEFECTS CAUSED BY MUTAGENIZED KNN ALLELES
MENTOR: CAROLYN RASMUSSEN, BOTANY AND PLANT SCIENCES

B37 STUDENT: JULIA ZAVALA, BIOLOGY
TOPIC: INVESTIGATING THE REGULATORY RELATIONSHIP BETWEEN THE CIRCADIAN CLOCK AND A PLATZ TRANSCRIPTION FACTOR IN RESPONSE TO HEAT STRESS
MENTOR: DAWN NAGEL, BOTANY AND PLANT SCIENCES

B38 STUDENT: KAREN PARRA, BIOLOGY
TOPIC: HIPPOCAMPAL NEUROPATHOLOGY IN PATIENTS WITH SEIZURES SECONDARY TO MULTIPLE SCLEROSIS
MENTOR: SEEMA TIWARI-WOODRUFF, BIOMEDICAL SCIENCES

B39 STUDENT: GREGORY LAMPHEL, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: ALTERATIONS IN OLFACTORY HABITUATION AND DISHABITUATION AFTER ADULT AND DEVELOPMENTAL EXPOSURE TO POLYBROMINATED DIPHENYL ETHERS
MENTOR: MARGARITA CURRAS-COLLAZO, MOLECULAR, CELL, AND SYSTEMS BIOLOGY

B40 STUDENT: ANTONIA NIJULEASA, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: FRAGMENT-BASED DRUG DISCOVERY AGAINST HTRA-1 PROTEASE
MENTOR: JEFF PERRY, BIOCHEMISTRY

B41 STUDENT: MAURICIO FLORES, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: DETERMINING PROKARYOTIC INITIATION FACTOR-2 ISOFORM RATIO DURING BACTERIAL TRANSCRIPTION-TRANSLATION COUPLING
MENTOR: GREGOR BLAHA, BIOCHEMISTRY

B42 STUDENT: HAILEY LEVI, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: CHARACTERIZING THE ROLE OF NEURONS INVOLVED IN PROBOSCIS EXTENSION AND AGITATED GROOMING BEHAVIOR IN DROSOPHILA
MENTOR: ANUPAMA DAHANUKAR, MOLECULAR, CELL AND SYSTEMS BIOLOGY
B43 STUDENT: ERICA BURNHAM, CHEMISTRY
TOPIC: COPOLYMERIZATION OF SALICYLIC ACID-BASED POLY(ANHYDRIDE-ESTERS) AND POLYDIMETHYLSILOXANE: A SOFT DRUG-DELIVERY SYSTEM
MENTOR: KATHRYN UHRICH, CHEMISTRY

B44 STUDENT: YINGYIN YU, CHEMISTRY
TOPIC: CATIONIC AMPHIPHILES: AN ALTERNATIVE TO TRADITIONAL ANTIBIOTICS
MENTOR: KATHRYN UHRICH, CHEMISTRY

B45 STUDENT: PAULINA JAIMES, CHEMISTRY
TOPIC: EFFICIENT PRODUCTION OF ULTRAVIOLET LIGHT FROM KINETICALLY CONTROLLED SYNTHESIS OF CdS NANOCRYSTALS
MENTOR: MING LEE TANG, CHEMISTRY

B46 STUDENT: SARAH MILLER, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: INVESTIGATING THE ROLE OF CAF-1 HISTONE CHAPERONE IN EMBRYONIC STEM CELL DIFFERENTIATION
MENTOR: SIHEM CHELOUFI, BIOCHEMISTRY

B47 STUDENT: VARADH PIAMTHAI, CELL, MOLECULAR, AND DEVELOPMENTAL BIOLOGY
TOPIC: EFFECT OF HIGH SOYBEAN OIL DIET WITH FIBER ON MOUSE LIVER
MENTOR: FRANCES SLADEK, MOLECULAR, CELL AND SYSTEM BIOLOGY

B48 STUDENT: EDUARDO ZAMORA, MATHEMATICS
TOPIC: DISCRETE TIME RANDOM WALKS IN MORE THAN ONE p-ADIC DIMENSION
MENTOR: DAVID WEISBART, MATHEMATICS

B49 STUDENT: JOHN PALACIOS, MATHEMATICS
TOPIC: GENERALIZING THE BUFFON NEEDLE PROBLEM TO NON-FLAT GEOMETRIES
MENTOR: DAVID WEISBART, MATHEMATICS

B50 STUDENT: JORGE VALDOVINOS, MICROBIOLOGY
TOPIC: IDENTIFICATION OF SURVIVING MICROBES IN POST-FIRE CHAPARRAL.
MENTOR: SYDNEY GLASSMAN, MICROBIOLOGY AND PLANT PATHOLOGY

B51 STUDENT: HALEE SCOTT, NEUROSCIENCE
TOPIC: IN VIVO ANALYSIS OF WUSCHEL PROTEIN PHOSPHORYLATION IN ARABIDOPSIS THALIANA
MENTOR: VENUGOPALA GONEHAL, BOTANY AND PLANT SCIENCES

B52 STUDENT: JASMIN TRAN, NEUROSCIENCE
TOPIC: MEASURING MOOD ALTERATIONS AND MOTOR ACTIVITY IN A MOUSE MODEL OF GULF WAR ILLNESS
MENTOR: MARGARITA CURRAS-COLLAZO, MOLECULAR, CELL AND SYSTEM BIOLOGY

B53 STUDENT: RYAN AMIDON, NEUROSCIENCE
TOPIC: AN ALTERNATIVE APPROACH TO AGE-RELATED MACULAR DEGENERATION
MENTOR: JEFF PERRY, BIOCHEMISTRY

B54 STUDENT: MINH TRAN, NEUROSCIENCE
TOPIC: MISFOLDED INTERACTORS OF HSP40 FAMILY
MENTOR: JOSEPH GENEREUX, CHEMISTRY
B55  STUDENT: Roshni Patel, Neuroscience
TOPIC: Control of feeding and body weight via GABA and glutamate in the amygdala
MENTOR: Glenn Stanley, Psychology

B56  STUDENT: Jesus Negrete, Physics
TOPIC: Elliptic flow distribution in gold on gold heavy ion collision at 4.5 GeV with STAR detector
MENTOR: Richard Seto, Physics and Astronomy

B57  STUDENT: David Nelson, Physics
TOPIC: Low frequency noise of magnons
MENTOR: Igor Barsukov, Physics and Astronomy

B58  STUDENT: Natalie Saavedra, Plant Biology
TOPIC: Genetic structure of Arctostaphylos glandulosa subspecies
MENTOR: Amy Litt, Botany and Plant Sciences

B59  STUDENT: Paul Markley, Plant Biology
TOPIC: The effect of native hedgerows on pathogen loads in bees
MENTOR: Lauren Ponisio, Entomology

B60  STUDENT: Tamera Taylor, Plant Biology
TOPIC: Identification and characterization of candidate calcium-binding effectors in grape phylloxera
MENTOR: Paul Nabity, Botany and Plant Sciences

Marlan and Rosemary Bourns College of Engineering

B61  STUDENT: Isabella Bagdasrian, Bioengineering
TOPIC: Elucidation of the role of YAP in senescent cell signaling
MENTOR: Joshua Morgan, Bioengineering

B62  STUDENT: Mher Garibyan, Bioengineering
TOPIC: Expression of tardigrade intrinsically disordered proteins in Madin-Darby canine kidney cells
MENTOR: Joshua Morgan, Bioengineering

B63  STUDENT: Michelle Lai, Chemical Engineering
TOPIC: Metal-enhanced fluorescence of erythrocyte-derived nanoparticles as a platform for biomedical fluorescence imaging
MENTOR: Bahman Anvari, Bioengineering

B64  STUDENT: Catherine Seo, Bioengineering
TOPIC: Fabrication and characterization of PEDOT/PGS coated magnesium microelectrodes
MENTOR: Huinan Liu, Bioengineering

B65  STUDENT: Brendan Mitchell, Neuroscience
TOPIC: Multimodal biomarkers in schizophrenia via feature-guided fusion
MENTOR: Xiaoping Hu, Bioengineering
B66  STUDENT: OLENKA GRAHAM CASTANEDA, NEUROSCIENCE
TOPIC: THE FUNCTIONS AND NEURAL CORRELATES OF CONSCIOUSNESS: ON THE INITIATION OF ACTION
MENTOR: MEGAN PETERS, BIOENGINEERING

B67  STUDENT: KRISTY DAI, BIOENGINEERING
TOPIC: CRYOPRESERVATION OF ALGAL CELLS
MENTOR: ROBERT JINKERSON, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B68  STUDENT: MAGGY HARAKE, CHEMICAL ENGINEERING
TOPIC: DESTROYING A FAMILY OF COMPOUNDS BOND BY BOND: UTILIZING A COMBINED REDUCTION-OXIDATION TREATMENT APPROACH OF ENVIRONMENTALLY PERSISTENT AQUEOUS FILM-FORMING FOAM (AFFF)
MENTOR: JINYONG LIU, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B69  STUDENT: RHODORA VILLANUEVA, CHEMICAL ENGINEERING
TOPIC: INVESTIGATION OF CRYSTAL GROWTH IN BIOMINERALIZED PYROPHYTIC SEEDS
MENTOR: DAVID KISAILUS, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B70  STUDENT: RAYED AHMED, CHEMICAL ENGINEERING
TOPIC: SOLAIR AN INTEGRATED SYSTEM FOR MORE EFFICIENT CLOTHING DRYING
MENTOR: KAWAI TAM, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B71  STUDENT: COLE LAWLESS, CHEMICAL ENGINEERING
TOPIC: DIGITAL IMAGE PROCESSING FOR AIR QUALITY APPLICATIONS
MENTOR: CESUNICA IVEY, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B72  STUDENT: THOMAS ECKEL, CHEMICAL ENGINEERING
TOPIC: TITANIA COATINGS POLLUTION REDUCING ROOF COATING
MENTOR: KAWAI TAM, CHEMICAL AND ENVIRONMENTAL ENGINEERING

B73  STUDENT: ANDREA CRUZ CASTILLO, COMPUTER SCIENCE
TOPIC: YELP AUTOMATIC CATEGORY LABELING
MENTOR: MARIAM SALLOUM, COMPUTER SCIENCE AND ENGINEERING

B74  STUDENT: ALEJANDRO GONZALEZ, MECHANICAL ENGINEERING
TOPIC: ANALYZING SOUTHERN CALIFORNIA CHAPARRAL CROWN FIRE BEHAVIOR WITH IMPROVED IMAGE QUALITY
MENTOR: MARKO PRINCEVAC, MECHANICAL ENGINEERING

B75  STUDENT: ALEXANDRA RODRIGUEZ, MECHANICAL ENGINEERING
TOPIC: HUMAN PLURIPOTENT STEM CELL SURVIVAL USING ROCK INHIBITOR TREATMENT CONDITIONS
MENTOR: HIDEAKI TSUTSUI, MECHANICAL ENGINEERING

SCHOOL OF BUSINESS

B76  STUDENT: JUSTIN ETHEREDGE, PSYCHOLOGY
TOPIC: ARE SOME STORIES WORTH MORE THAN OTHERS? THE INFLUENCE OF NARRATIVES ON PRO-SOCIAL LENDING
MENTOR: ELAINE WONG, SCHOOL OF BUSINESS
**SCHOOL OF MEDICINE**

**B77  STUDENT:** Rohan Kamath, Cellular, Molecular, and Developmental Biology  
**TOPIC:** Salton Sea Dust Exposure Induces Inflammatory Responses in Human Lungs  
**MENTOR:** Tara Nordgren, Biomedical Sciences

**B78  STUDENT:** Omar Abbas, Cellular, Molecular, and Developmental Biology  
**TOPIC:** Measuring Effects of HIV-1 and Methamphetamine Incidence on the Dopaminergic System by Tyrosine Hydroxylase  
**MENTOR:** Marcus Kaul, Biomedical Sciences

**B79  STUDENT:** Xinghao Shuai, Neuroscience  
**TOPIC:** Astrocyte Contributions to Altered Critical-Period Plasticity and Abnormal Development of Inhibitory Neurons and Perineuronal Nets in Mouse Auditory Cortex  
**MENTOR:** Iryna Ethell, Biomedical Sciences
Thank you to the campus community who make the symposium a great success each year!

FACULTY MENTORS
FACULTY 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

CYNTHIA LARIVE, PROVOST AND EXECUTIVE VICE CHANCELLOR

KIM WILCOX, CHANCELLOR

UNDERGRADUATE EDUCATION TEAM

SUMMER SESSIONS
ACADEMIC RESOURCE CENTER
STUDENT ENGAGEMENT STAFF
UNIVERSITY WRITING PROGRAMS
CENTER FOR TEACHING AND LEARNING
ACADEMY OF DISTINGUISHED TEACHERS
ACADEMIC ENGAGEMENT
STUDENT ENGAGEMENT STUDENT WORKERS AND AMBASSADORS
**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