BIOLOGICAL SCIENCES DEPARTMENT SEMINAR SCHEDULE

(updated 2024.04.16)

ACADEMIC YEAR 2023-24

FALL 2023

September 8 – 12PM in 4-2-314

Joy O'Keefe, University of Illinois Urbana-Champaign

“Local diners: ecosystem services of bats in the Midwest”

September 15 – 12PM in 4-2-314

Rong Hai, UC Riverside

“A chimeric SARS-CoV-2 Spike RBD/Flu NP protein vaccine for increased antibody responses to Spike protein”

September 22 – 12PM in 4-2-314

Isis Janilkarn-Urena, USC

“Dihydromyricetin supplementation improves ethanol-induced lipid accumulation and inflammation”

September 29 – 12PM in 4-2-314

Conner Philson, UCLA

“Evolution of social position & structure – a multilevel selection approach”

October 6 – no seminar

October 13 – 12PM in 4-2-314

Zach Smith, O'Melveny & Myers LLP

“Balancing Fields and Fish: Careers in Western Conservation”

October 20 – 12PM in 4-2-314

Anthony K. Park, City of Hope

“Combination Immunotherapy for the treatment of solid tumors”

October 27 – 12PM in 4-2-314

Todd Clardy, Natural History Museum of Los Angeles County

“Larval fish are the coolest fish”

November 3 – 12PM in 4-2-314

Tingting Xiang, UC Riverside

“Using Symbiodiniaceae mutants to interrogate dinoflagellate-coral symbiosis”

November 10 – Holiday

November 17 – 12PM in 4-2-314

Robin Fales, UC Irvine

“Ecophysiology to communities: Understanding foundational seaweeds in a changing climate”

November 24 – Holiday

December 1 – 12PM in 4-2-314

Rhea Hanselmann et al., Western University

“Veterinary Care Deserts: Establishing and Piloting a Definition”

December 8 – 12PM in 4-2-314

Stephanie Orchanian, UC Irvine

“Defining the molecular basis of immune cell recruitment to the Central Nervous System”

SPRING 2024

February 9 – 12PM in 4-2-314

Naomi Fraga, California Botanic Garden / Claremont Graduate University

“Threats on the horizon: Conserving rare plant species in the American West using the Endangered Species Act and other advocacy tools for scientists”

February 16 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Jesus M. Preciado, CPP Plant Science

“Plant Plasticity & Perspective: The Evolution of a Returning Alumnus - A Cal Poly Pomona Journey from Student to Postdoc”

February 23 – no seminar

March 1 – no seminar

March 8 – 12PM in 4-2-314

Timothy F. Shay, Caltech

“Directed Evolution of Viral Vectors to Study and Treat the Brain”

March 15 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Amy Litt, UC Riverside

“How many manzanitas? Speciation and adaptation in an iconic chaparral shrub”

March 22 – 12PM in 4-2-314

Nadia Carlesso, City of Hope

“Bone Marrow Niche & Hematopoietic Stem Cells Remodeling During Inflammation”

March 29 – 12PM in 4-2-314

John Chi, Synova Life Sciences (CEO)

“Your Fat, Your Stem Cells, and the FDA: Building a Company”

April 5 – Holiday

April 12 – 12PM in 4-2-314

Wilnelia Recart González, University of San Diego

“Complexities of plant-pollinator interactions: how do environmental stressors influence plant reproduction?”

April 19 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Anna J. Zelaya, CSU San Bernardino

“Transferring Cultures: My Research Journey from First-Gen Undergrad to First-Gen Faculty”

April 26 – no seminar (Annual CoS Research Symposium)

May 3 – 12PM in 4-2-314

Ed Bobich, CPP Biological Sciences

“Mortality and Phenology of Ocotillos in the Northwestern Sonoran Desert”

May 10 – no seminar

ACADEMIC YEAR 2022-23

FALL 2022

September 16 – 12PM in 4-2-314

CANCELLED

September 23 – 12PM in 4-2-314

Frances K. Mercer, CPP Biological Sciences

“Mechanisms of immunity to vaginal trichomonad parasites”

September 30 – 12PM in 4-2-314 via Zoom

Sean Collins, UC Davis

“Illuminating mechanisms of cell steering in neutrophil migration”

October 7 – 12PM in 4-2-314

Joseph Heras, CSU San Bernardino

“Comparative genomic and transcriptomic analyses of three different adaptive radiations of fishes in North America”

October 14 – 12PM in 4-2-314 via Zoom

Maura Palacios Mejia, Mt. San Antonio College

“Endless possibilities in exploring biodiversity with the use of eDNA metabarcoding”

October 21 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Declan McCole, UC Riverside

“Intestinal Barrier Regulation by Epithelial-Macrophage Crosstalk in Health & Disease”

October 28 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Sean O'Leary, UC Riverside

"Single-Molecule Dynamics of Eukaryotic Translation Initiation"

November 4 – 12PM in 4-2-314

Allyn Nguyen, UC Riverside

"From CPP to PhD student investigating the "Love Bite" – fatigue resistant jaw muscles allow for long-lasting courtship behavior in the Southern Alligator Lizard (*Elgaria multicarinata*)"

November 11 – Holiday

November 18 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Edward J. Wagner, College of Osteopathic Medicine of the Pacific

"The central control of energy balance via homeostatic and hedonic circuits"

November 25 – Holiday

December 2 – 12PM in 4-2-314

Jason Ear, CPP Biological Sciences

"Investigating the role of Daple/CCDC88C gene fusion in leukemia"

December 9 – 12PM in 4-2-314

CANCELLED

SPRING 2023

February 3 – 12PM in 4-2-314 via Zoom (NIH Bridges to Doctorate Program)

Karine Gaëlle Le Roch, UC Riverside

“In Search of New Therapeutic Strategies to Combat Malaria”

February 10 – 12PM in 4-2-314

Jon Olson, CPP Biological Sciences

“AmBisome Efficacy and Tissue Distribution in non-Obese and Obese ICR Male Mice Challenged with *Aspergillus fumigatus*”

February 17 – no seminar

February 24 – 12PM in 4-2-314

Janel Ortiz, CPP Biological Sciences

“City Birds for City People: Wild Parrots of Southern California”

March 3 – 12PM in 4-2-314

Natalie Holt, UC Riverside

“Trade-offs in skeletal muscle: constraints to adaptation and drivers of organismal diversity”

March 10 – 12PM in 4-2-314

Ivan Hernandez, San Diego State University

“Investigating the culture of STEM, student identity development, and student motivation within STEM research labs”

March 17 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Erica C. Heinrich, UC Riverside

“Adaptive and maladaptive responses to chronic hypoxia revealed by high-altitude populations”

March 24 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

CANCELLED

March 31 – Holiday

April 7 – 12PM in 4-2-314

Christopher Cosma, UC Riverside

“Prioritizing California Native Plants for Butterfly and Moth Conservation”

April 14 – 12PM in 4-2-314

Ted Stankowich, CSU Long Beach

“Spines, Shields, Sprays, and Stripes: The Evolution of Antipredator Defenses and Coloration in Mammals”

April 21 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Gustavo A. Ramirez, CSULA

“Methane Cycling by Marine Sponge Microbiomes: A new biogeochemical take on an ancient symbiosis”

April 28 – no seminar (Annual CoS Research Symposium)

May 5 – 12PM in 4-2-314

Sonal Singhal, CSU Dominguez Hills

“Why are there more of some types of species than others? An exploration in lizards & snakes”

May 12 – 12PM in 4-2-314

CANCELLED

ACADEMIC YEAR 2021-22

FALL 2021

August 27 – 12PM via Zoom

Alejandra Prieto-Davo, Unidad Académica de Ciencias y Tecnología de la UNAM en Yucatán

“Microbial communities from the Maya underworld: sediment bacteria in Yucatán sinkholes as a source of natural products”

September 3 – 12PM via Zoom

Jake Cecala, UC Davis

“Commercial Plant Nurseries as Habitat for Wild Bees”

September 10 – 12PM via Zoom

Tereza Cindrova-Davies, University of Cambridge

“Early placental development and the role of the uterine glands”

September 17 – 12PM via Zoom

Stephen M. Deban, University of South Florida

“Going Ballistic: Evolution of high-performance tongue-projection in salamanders”

September 24 – 12PM via Zoom

Jason Lombardi, Texas A&M University-Kingsville

“Identifying a landscape suitability model for endangered ocelots across southern Texas”

October 1 – 12PM via Zoom (NIH Bridges to Doctorate Program)

Emma Wilson, UC Riverside

“The neuroimmune niche of parasites in your brain”

October 8 – 12PM via Zoom (NIH Bridges to Doctorate Program)

Maurizio Pellecchia, UC Riverside

“Targeting pharmacologically viable protein-protein interactions via combinatorial library screening (HTS by NMR) and Lys covalent agents”

October 15 – 12PM via Zoom

Lee Swanson, Shoreline Biosciences

“Cell Therapy: The next generation of cancer therapeutics”

October 22 – 12PM via Zoom (NIH Bridges to Doctorate Program)

Nicholas Dipatrizio, UC Riverside

“Endocannabinoids and the Gut-Brain Axis”

October 29 – 12PM via Zoom

Nicholas Kalogriopoulos, Stanford University

“Developing GPCR-based tools for research, biotechnology, and therapeutic applications”

November 5 – 12PM via Zoom

Joseph Graves, North Carolina A&T State University

“Racism, Not Race”

November 12 – 12PM via Zoom

Keke Fairfax, University of Utah School of Medicine

“Uncovering the dynamics of schistosome modulation of host immunity”

November 19 – 12PM via Zoom

Pascale Guiton, CSU East Bay

“Developmental regulation of *Toxoplasma* virulence”

November 26 – Holiday

December 3 – no seminar

SPRING 2022

February 11 – 12PM via Zoom (NIH Bridges to Doctorate Program)

Monica Carson, UC Riverside

“Healthy brain aging or age-associated dementia: The role of genetics, life exposures and chronic inflammation”

February 18 – 12PM via Zoom

Gilead Sciences, Inc.

“Introduction to BIO 4990 Course - Pharmaceutical Development Program”

February 25 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Huinan Liu, UC Riverside

“Engineering bioresorbable materials and nanostructures for repairing tissue and fighting infection”

March 4 – 12PM in 4-2-314

Warren Roberts, Rio Hondo College & The Claremont Colleges

“Aerial Survey Mapping and Applications for Sciences”

March 11 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Meera Nair, UC Riverside

“Immunoregulatory mechanisms in parasitic helminth infection”

March 18 – 12PM in 4-2-314 (NIH Bridges to Doctorate Program)

Summer Blanco, University of Georgia, Athens

“Flower, Bud & Thorn: Reflections on pursuing a PhD in Plant Biology in the middle of a pandemic”

March 25 – 12PM in 4-2-314

Jessica Oswald, University of Nevada, Reno

“Avian diversity changes across the late Quaternary: Evidence from genomic data and fossils”

April 1 – Holiday

April 8 – 12PM in 4-2-314

Morgan Tingley, UCLA

“Charting the spatiotemporal landscape of species’ responses to climate change”

April 15 – 12PM in 4-2-314

Patrick Ferree, W.M. Keck Science Department of Claremont McKenna, Pitzer, and Scripps Colleges

“Just when you think it's all figured out: selfish chromosomes that destroy the genome”

April 22 – 12PM in 4-2-314

Douglas Durrant, CPP Biological Sciences

“Neuroinflammation vs. Neuroprotection: How DCs shape immune responses in the CNS during WNV encephalitis”

April 29 – no seminar (Annual CoS Research Symposium)

May 6 – 12PM in 4-2-314

Brian Myers, CPP Biological Sciences

“Mechanisms of speciation and demography in hummingbirds and swallow”

May 13 – 12PM in 4-2-314

CANCELLED

ACADEMIC YEAR 2020-21

FALL 2020

August 28 – 12PM via Zoom

Sophia Allaf Shahin, CPP Biological Sciences

“Careers in Biology”

September 4 – 12PM via Zoom

Aaron Gitler, Stanford University

“Expanding Mechanisms and Therapeutic Targets for Neurodegenerative Disease”

September 11 – no seminar

September 18 – 12PM via Zoom (RISE Seminar)

Hernán Reza, City of Hope

“Targeting the Tumor Microenvironment to Improve Anti-tumor Efficacy of CAR T cell Therapy”

September 25 – no seminar

October 2 – 12PM via Zoom

Eugene Koonin, National Center for Biotechnology Information (NCBI)

“The World of Viruses: Global Organization and Evolution”

October 9 – 12PM via Zoom (RISE Seminar)

Mark Alonzo, Cedar Sinai

“Investigation of the DDR1 receptor in muscle invasive urinary bladder cancer cell models”

October 16 – 12PM via Zoom

Owen Vaughan, University of Colorado Anschutz Medical Campus

“How placental function determines lifelong health”

October 23 – 12PM via Zoom

Adrian Fisher II, Arizona State University

“Colony field tests reveal dramatically higher toxicity of a widely-used mito-toxic fungicide on honey bees (*Apis mellifera*)”

October 30 – 12PM via Zoom

Ryan Terrill, Occidental College

“What can molt tell us about the evolution and ecology of birds?”

November 6 – 12PM via Zoom

Victoria Petryshyn, USC

“Builders, Tenants, and Squatters: The origins of genetic material in stromatolites”

November 13 – 12PM via Zoom (RISE Seminar)

Yeraldi Loera, UCLA

“Evolution by Pesticides”

November 20 – 12PM via Zoom (RISE Seminar)

Jennifer Rubio, USC

“Mechanism and Accuracy of Polymyxin Efficacy Testing”

November 27 – Holiday

December 4 – no seminar

SPRING 2021

February 5 – 12PM via Zoom (RISE Seminar)

Adam Rosenthal, DuPont Nutrition and Health

“Are clonal bacterial communities organized by physiological roles?”

February 12 – no seminar

February 19 – 12PM via Zoom

Beth Allison, Hudson Institute of Medical Research

“Developmental programing of cardiovascular disease – how the womb you grow up in can influence life-long health”

February 26 – 12PM via Zoom

Augusto Simoes-Barbosa, University of Auckland

“Microbes and extracellular vesicles: lessons from vaginal commensals and a pathogen”

March 5 – 12PM via Zoom

Abigail Morales, Hunter College

“DNA Damage Responses Impact Macrophage Function in the Innate Immune Response to Bacterial Infection”

March 12 – 12PM via Zoom (RISE Seminar)

Isis Janilkarn-Urena, USC School of Pharmacy

“Developing a novel combinational therapeutic approach to treat alcohol use disorder and alcohol induced liver injury”

March 19 – 12PM via Zoom

Kimberly Cooper, UC San Diego

“How (and why) the jerboa got its long legs”

March 26 – 12PM via Zoom

Gina Leinninger, Michigan State University

“To Eat, Drink, or be Merry? Central Neurotensin Modulates Ingestive Behavior and Body Weight”

April 2 – Holiday

April 9 – 12PM via Zoom (RISE Seminar)

Pablo Garcia, University of South Florida

“Evaluating the relationship between form and function of cranial kinesis in lizards”

April 16 – 12PM via Zoom

Erin Wilson Rankin, UC Riverside

“Ecological drivers and impacts of life history shifts in a social wasp invasion of Hawaii”

April 23 – 12PM via Zoom (RISE Seminar)

Danielle McHaskell, Scripps Institution of Oceanography / UC San Diego

“Understanding invasion success of *Undaria pinnatifida* (Harvey) Suringar: Global distribution, potential habitat, and spore dispersal”

April 30 – no seminar (CSU Student Research Competition)

May 7 – 12PM via Zoom

Milton Tan, University of Illinois at Urbana-Champaign

“Evolution, Diversification, and Genomics of Fishes Great and Small”

May 14 – 12PM via Zoom

Gilead Sciences, Inc.

“Looking for a career in drug development?”

ACADEMIC YEAR 2019-20

FALL 2019

September 6 – 12PM in 4-2-314

Ben Matias, California Department of Fish and Wildlife

“Protecting California’s Wildlife: The role of our Game Wardens”

September 13 – 12PM in 4-2-314

Tessa Solomon-Lane, Keck Science Department of Claremont-McKenna, Pitzer, and Scripps Colleges

“Early-life social environments shape juvenile behavior and neuroendocrine function”

September 20 – 12PM in 4-2-314

Alberto Soto, UC Irvine

“Pursuit and Evasion Strategies in Zebrafish”

September 27 – 12PM in 4-2-314 (RISE Seminar)

Houda Alachkar, USC School of Pharmacy

“Novel Therapeutic Targets in Acute Myeloid Leukemia”

October 4 – no seminar

October 11 – 12PM in 4-2-314

Melody Man Hing Li, UCLA

“How to ZAP a virus: implications for innate immunity”

October 18 – 12PM in 4-2-314

Tracey McNamara, Western University Health Sciences

“Unquenchable Curiosity – the Foundation of all Scientific Discovery”

October 25 – 12PM in 4-2-314 (RISE Seminar)

Daryl L. Davies, USC School of Pharmacy

“Methods of Target Validation (CNS Agents)”

November 1 – 12PM in 4-2-314

Kevin Burns, San Diego State University

“Diversification of Tanagers: An Evolutionary Burst of Beaks and Colors”

November 8 – 12PM in 4-2-314

Jason Rothman, UC Irvine

“Poisoned pollinators, microbes to the rescue: Toxicants affect bee microbiomes and host health”

November 15 – 12PM in 4-2-314 (RISE Seminar)

Brandon Tan, City of Hope

“Targeting RNA modifications as a novel treatment for cancer”

November 22 – 12PM in 4-2-314

Erika Holland, CSU Long Beach

“Tools for Understanding Pollutant Induced Calcium Signaling Disruption”

November 29 – Holiday

December 6 – 12PM in 4-2-314 (RISE Seminar)

Maribel P. Marquez, Medical College of Wisconsin

“Modeling complex genetic diseases using stem cell and CRISPR/Cas9 technology”

SPRING 2020

January 31 – 2PM in 4-2-314 (RISE Seminar)

Chantal Stieber, Cal Poly Pomona (Chemistry & Biochemistry)

“Taming Pollutants with Transition Metals & Inorganic Chemistry”

February 7 – no seminar

February 14 – 12PM in 4-2-314

Nathan Keith, Lawrence Berkeley National Laboratory

“Genome-wide analysis of cadmium-induced mutations in nonadapted and adapted *Daphnia pulex* genotypes”

February 21 – 12PM in 4-2-314

Andrew Steele, Cal Poly Pomona

“Get rhythm: investigations of dopamine systems regulating obesity and food anticipatory activity in mice”

February 28 – 12PM in 4-2-314 (RISE Seminar)

Jessica Abner, Vanderbilt University

“The Biogenesis, Cargo, and Function of Extracellular Vesicles in Colorectal Cancer”

March 6 – 12PM in 4-2-314 (RISE Seminar)

Sophia Allaf Shahin, Cal Poly Pomona

“siTWIST Nanoparticle therapeutics reverses chemoresistance and reduced tumor burden”

March 13 – 12PM in 4-2-314

CANCELLED due to COVID-19 shutdown

March 20 – 12PM in 4-2-314

CANCELLED due to COVID-19 shutdown

March 27 – 12PM in 4-2-314 (RISE Seminar)

CANCELLED due to COVID-19 shutdown

April 3 – Holiday

April 10 – no seminar

April 17 – no seminar

April 24 – 12PM in 4-2-314 (RISE Seminar)

CANCELLED due to COVID-19 shutdown

May 1 – 12PM in 4-2-314

CANCELLED due to COVID-19 shutdown

May 8 – 12PM in 4-2-314

CANCELLED due to COVID-19 shutdown

ACADEMIC YEAR 2018-19

FALL 2018

September 7 – 12PM in 4-2-314

Chris Tracy, Philip L. Boyd Deep Canyon Desert Research Center

“Subterranean activity of the Desert Plated Lizard, *Gerrhosaurus* (= *Angolosaurus*) *skoogi*, in the Skeleton Coast National Park of Namibia”

September 14 – no seminar

September 21 – 12PM in 4-2-314

Alyssa Bell, Cal Poly Pomona

“Quantifying Convergence: applications for understanding avian evolution in the Mesozoic”

September 28 – 12PM in 4-2-314

Eric Wood, CSULA

“The importance of the LA Urban Forest to resident and migratory birds”

October 5 – 12PM in 4-2-314

Brenda Molgora, UCLA

“*Trichomonas vaginalis*, a human-infective sexually transmitted parasite, adheres to host epithelia using multiple parasite factors”

October 12 – 12PM in 4-2-314 (RISE Seminar)

Pablo Unzueta, UC Riverside

“Fragment-Based Nuclear Magnetic Resonance Chemical Shift Predictions in Proteins and Molecular Crystals”

October 19 – 12PM in 4-2-314

Amanda Zellmer, Occidental College

“Species Distribution Modeling for Conservation Biology”

October 26 – 12PM in 4-2-314 (RISE Seminar)

Jill Adler, Cal Poly Pomona

“Saving People's Lives with Antifungal Drugs: From Lab Bench to Bedside”

November 2 – 12PM in 4-2-314

Aaron Cooper, UCLA

“Clonal tracking in a viral gene therapy trial for severe immunodeficiency”

November 9 – 12PM in 4-2-314 (RISE Seminar)

Martine Culty, USC

“Impact of common environmental chemical mixtures on male reproduction”

November 16 – 12PM in 4-2-314

Amanda Hund, University of Minnesota

“How parasites shape host behavior and evolution: mechanistic experiments to population comparisons”

November 23 – Holiday

November 30 – 12PM in 4-2-314 (RISE Seminar)

Ángel A. Valdés, Cal Poly Pomona

“Exploring Tropical Biodiversity: Sea slugs of the Koumac 2018 Expedition, New Caledonia”

December 7 – 12PM in 4-2-314 (RISE Seminar)

Aladin Boriek, Baylor College of Medicine

“Current Understanding of Respiratory Muscle Mechanics in Health and Disease”

SPRING 2019

January 25 – 12PM in 4-2-314

Nancy Buckley, Cal Poly Pomona

“Marijuana, Sex and Immunity to *Candida albicans*”

February 1 – 12PM in 4-2-314

CANCELLED

February 8 – 12PM in 4-2-314 (RISE Seminar)

Alex Nisthal, Xencor

“Engineering bispecific antibodies for immuno-oncology”

February 15 – 12PM in 4-2-314

Ranjani Murali, Caltech

“Life at the bottom of the ocean - microbial life in methane seeps”

February 22 – no seminar

March 1 – 12PM in 4-2-314

Jeffrey Olberding, UC Irvine

“Springy tendons and long-limb levers: musculoskeletal mechanics of jumping”

March 8 – 12PM in 4-2-314 (RISE Seminar)

Julio Camarero, USC

“Cyclotides, a new molecular scaffold to target protein-protein interactions”

March 15 – 12PM in 4-2-314

Ashley Robart, Cal Poly Pomona

“The role of the social environment in shaping reproduction and migration in vertebrates”

March 22 – 12PM in 4-2-314 (RISE Seminar)

Julio Sanchez, Cornell University

“Unique insights into glioblastoma: modes of intercellular communication and tumorigenesis”

March 29 – no seminar

April 5 – Holiday

April 12 – 12PM in 4-2-314

Veronica Jimenez-Ortiz, CSU Fullerton

“Sensing your way into a host: mechanosensation in the human parasite *Trypanosoma cruzi*”

April 19 – 12PM in 4-2-314 (RISE Seminar)

Larry Grill, Keck Graduate Institute / Henry E. Riggs School of Applied Life Sciences

“Producing a new generation of vaccines using plants”

April 26 – 12PM in 4-2-314

Allison Schultz, Natural History Museum of Los Angeles County

“Evolution across timescales: comparative and population genomics studies of host-pathogen co-evolution in birds”

May 3 – 12PM in 4-2-314 (RISE Seminar)

CANCELLED

May 10 – 12PM in 4-2-314

Sean Wilcox, UC Riverside

“Sexual selection, dimorphism, and courtship-flight performance in Black-chinned Hummingbirds (*Archilochus alexandri*)”

ACADEMIC YEAR 2017-18

FALL 2017

September 29 – 12PM in 4-2-314 (RISE Seminar)

Carla Stout, Auburn University

“Minnows and molecules: Resolving broad and fine-scale evolutionary patterns of Cypriniformes”

October 6 – 12PM in 4-2-314

Anthony Park, City of Hope

“Chimeric Antigen Receptor (CAR) T-cell Therapy for the Treatment of Solid Tumors”

October 13 – 12PM in 4-2-314

Mohammad Mir, Western University of Health Sciences

“Analysis of replication foot prints reveal novel targets for therapeutic intervention of hantavirus disease”

October 20 – 12PM in 4-2-314

Frank van Breukelen, University of Nevada Las Vegas

“Being too plastic for variable environments: physiological plasticity in a basoendothermic mammal, the common tenrec”

October 27 – 12PM in 4-2-314 (RISE Seminar)

Anna Zelaya, Montana State University

“Microbes underground: Diversity and variability of microbial communities in a subsurface aquifer”

November 3 – 12PM in 4-2-314

Kevin Carpenter, USC

“Advanced multimodal correlative imaging for microbial ecology and cell biology: from microbiomes to the biosphere”

November 10 – Holiday

November 17 – 12PM in 4-2-314 (RISE Seminar)

Victoria Fox, Pathways to Stem Cell Science

“Adventures in stem cell science”

November 24 – Holiday

November 30 (Thursday Seminar) – 12PM in 4-2-314 (RISE Seminar)

Speaker from City of Hope

“Informational Seminar on PhD Program”

December 1 – 12PM in 4-2-314 (RISE Seminar)

Assorted Speakers from UCLA, UC San Diego, and Brown University

“Informational Seminar on PhD Programs”

WINTER 2018

January 12 – 12PM in 4-2-314

Naomi Fraga, Rancho Santa Ana Botanic Garden

“Diversity, endemism and conservation of California monkeyflowers (Phrymaceae): a case study in *Erythranthe* section *Paradantha*”

January 19 – 12PM in 4-2-314 (RISE Seminar)

Parag Vaishampayan, Cal Tech, JPL

“Planetary Protection: How I started worrying about bugs on the Spacecraft”

January 26 – 12PM in 4-2-314

Jennifer K. Yee, Harbor-UCLA Medical Center

“Fructose: Friend or Foe”

February 2 – 12PM in 4-2-314

Clinton Francis, Cal Poly San Luis Obispo

“The signature of the acoustic environment in biology: behavior and physiology to community structure and function”

February 9 – 12PM in 4-2-314 (RISE Seminar)

Tamara Holst, Monsanto

“Technology: Optimizing and Accelerating Agriculture”

February 16 – 12PM in 4-2-314

Yuanxiang (Ansel) Zhao, Cal Poly Pomona

“Cellular and Molecular Profiling of Human Mesenchymal Stem Cells”

February 23 – no seminar

March 1 (Thursday Seminar) – 12PM in 4-2-314

Jose Pietri, Apex Bait Technologies

“Leveraging host-microbe interactions towards the control of public health pests: Mechanistic insight and unexplored avenues”

March 2 – 12PM in 4-2-314 (RISE Seminar)

Michael St Martin, Gilead

“Doctoral Provenance and how It Relates to You”

March 5 (Monday Seminar) – 12PM in 4-2-314

James Angus Chandler, UC Berkeley

“Flies, microbes, and ethanol: A model for investigating host-microbiome-diet interactions”

March 8 (Thursday Seminar) – 12PM in 4-2-314

Frances Mercer, UCLA

“Investigating the battle between human immune cells and the sexually-transmitted parasite Trichomonas vaginalis”

March 9 – no seminar

SPRING 2018

March 29 (Thursday Seminar) – 12PM in 4-2-314

Phil Townsend, University of Wisconsin

“Remote sensing to monitor ecosystem composition and diversity”

March 30 – Holiday

April 6 – no seminar

April 13 – 12PM in 4-2-314 (RISE Seminar)

Edith Porter, CSULA

“Lipid and Peptide Effectors of Epithelial Host Defense”

April 20 – 12PM in 4-2-314

Zachary Erickson, Caltech

“Remote sensing of ocean biology: What can we learn from high-resolution imagery?”

April 27 – no seminar

May 4 – 12PM in 4-2-314 (RISE Seminar)

Cydne Perry, South Dakota State University

“Pregnancy and Lactation Alter Biomarkers of Biotin Metabolism in Women Consuming a Controlled Diet”

May 11 – 12PM in 4-2-314

James Titus-Mcquillan, University of Texas at Arlington

“Genomic insights to the mechanisms leading to isolation and diversification in Byno’s gecko [*Heteronotia binoei*]”

May 18 – 12PM in 4-2-314 (RISE Seminar)

H. Howard Xu, CSULA

“Combating bacterial pathogens: targeting essential and virulence processes”

May 25 – no seminar (Annual CoS Research Symposium)

June 1 – 12PM in 4-2-314

Student Speakers, Cal Poly Pomona

Hawaii Field Course Student Presentations – Instructors: Erin Questad / Jayson Smith

ACADEMIC YEAR 2016-17

FALL 2016

October 14 – 12PM in 4-2-314 (RISE Seminar)

Brandon Tan, USC

"The N^6-methyladenosine epitranscriptome and Kaposi's Sarcoma-associated Herpesvirus replication"

October 21 – no seminar

October 28 – no seminar

November 4 – 12PM in 4-2-314 (RISE Seminar)

Milton Saier, UC San Diego

"Our Precarious Earth and its Biosphere"

November 11 – Holiday

November 18 – 12PM in 4-2-314

Geoff Dilly, CSU Channel Islands

"Ecology, Physiology, and Stress at Hydrothermal Vents and in the Intertidal Zone"

November 25 – Holiday

December 2 – 12PM in 4-2-314 (RISE Seminar)

Gregory Pauly, Natural History Museum of LA County

"Reptile & Amphibian Discoveries from Southern California's Citizen Scientist Army"

WINTER 2017

January 6 – 12PM in 4-2-314

Karthickeyan Chella Krishnan, UCLA College of Medicine

“Role of Adipose Lipocalin-2 in Regulating Insulin Resistance and Nonalcoholic Fatty Liver Disease (NAFLD) progression”

January 13 – 12PM in 4-2-314

Nathan Kraft, UCLA

“Functional trait differences and the maintenance of diversity in plant communities”

January 20 – 12PM in 4-2-314

Brian Federici, UC Riverside

“Are GMO crops safe for humans and the environment?”

January 27 – 12PM in 4-2-314

Marko Spasojevic, UC Riverside

“What community ecology can tell us about global change”

February 3 – 12PM in 4-2-314 (RISE Seminar)

Tammy Butterick, Minneapolis VA Health Care System

“The Role of Neuroinflammation in Aging and Cognitive Decline”

February 10 – no seminar

February 17 – 12PM in 4-2-314 (RISE Seminar)

Shelly Halpain, UCSD

“How & Why Do Brain Cells Boogie? The Cytoskeleton in Neural Circuit Development & Repair”

February 21 (Tuesday Seminar) – 12PM in 4-2-314

Brittany Barker, The University of Arizona

“Evolution in changing environments: lessons from introduced and endemic species”

February 23 (Thursday Seminar) – 12PM in 4-2-314

Michelle Gaither, University of Hawai‘i at Mānoa

“Discovering the Origins of and Conserving Marine Biodiversity”

February 24 – 12PM in 4-2-314

Anthony Metcalf, CSU San Bernardino

“Patterns of Genetic Diversity in the Santa Ana Speckled Dace (*Rhinichthys osculus* ssp?): Implications for its evolution and conservation”

February 28 (Tuesday Seminar) – 12PM in 4-2-314

Fernando Alda, Louisiana State University

“Patterns and processes of freshwater fish diversity”

March 2 (Thursday Seminar) – 12PM in 4-2-314

Elizabeth Scordato, The University of Colorado

“Linking pattern and process in population divergence: insights from genomics, behavior and ecology”

March 3 – 12PM in 4-2-314 (RISE Seminar)

Manny Azizi, UC Irvine

“Can age-related changes to connective tissue structures explain musculoskeletal deficiencies?”

March 7 (Thursday Seminar) – 12PM in 4-2-314

Erica Larson, University of Montana

“The evolution of reproductive barriers in the early stages of speciation”

March 10 – 12PM in 4-2-314

CANCELLED

SPRING 2017

April 7 – 12PM in 4-2-314 (RISE Seminar)

Victoria Fox, Pathways to Stem Cell Science

“Adventures in Stem Cell Science”

April 14 – 12PM in 4-2-314

Sarah Hu, USC

“A eukaryotic metatanscriptomic survey characterizes key protistan taxonomic groups and processes within and below the euphotic zone of a coastal ocean study site”

April 21 – 12PM in 4-2-314

John McCormack, Occidental College

“Exploring vertebrate evolutionary history with museum collections and phylogenomic markers”

April 28 – 12PM in 4-2-314 (RISE Seminar)

Julie Schwartz, Charles Rivers Laboratories

“Preclinical Drug Development: Safety first”

May 5 – 12PM in 4-2-314 (RISE Seminar)

Kevin Urak, Iowa State University

“Neutralization of Extracellular Histones with Aptamers for the Treatment and Prevention of Secondary Organ Failure in Sepsis”

May 12 – 12PM in 4-2-314

CANCELLED

May 19 – 12PM in 4-2-314

CANCELLED

May 26 – 12PM in 4-2-314 (RISE Seminar)

Joseph Henriquez, Michigan State University

“D9-Tetrahydrocannabinol (THC)-mediated suppression of immune response by Plasmacytoid dendritic cells (pDC) and T cells from healthy and HIV infected Donors”

June 2 – 12PM in 4-2-314

Curtis Clark, Cal Poly Pomona

“Swan Song”

ACADEMIC YEAR 2015-16

FALL 2015

October 2 – 12PM in 4-2-314 (COAST seminar)

Terrence M. Gosliner, San Francisco State University and California Academy of Sciences

“Exploring coral reefs in the Center of the Center of Marine Biodiversity”

October 9 – 12PM in 4-2-314

Greg Brennan, Western University of Health Sciences

“Gene amplification provides a molecular foothold for viral transmission and adaptation to new species”

October 16 – no seminar

October 23 – 12PM in 4-2-314 (RISE Seminar)

Gustavo Ramirez, USC

“The marine deep dark energy biosphere explored via sub-seafloor observatories and osmotic colonization chambers”

October 30 – 12PM in 4-2-314 (RISE Seminar)

Amanda Goodrich, USC

“Effect modification of prenatal folic acid on the association between prenatal air pollution exposure and autism spectrum disorder”

November 6 – 12PM in 4-2-314

Brian Duistermars, Caltech

“A neural module for wing threat in *Drosophila*”

November 13 – 12PM in 4-2-314 (RISE Seminar)

Chris Petro, Albert Einstein University

“Linking humoral immunity to protective herpes simplex viral vaccines: Is complete immunity achievable?”

November 20 – 12PM in 4-2-314

Sheena Sidhu, UC Riverside

“Supporting pollinators in diversified agroecosystems”

November 27 – Holiday

December 4 – 12PM in 4-2-314 (CIRM Seminar)

Anne Bang, Prebys Center - Sanford Burnham Prebys Medical Discovery Institute

“iPSC based disease models in drug discovery”

WINTER 2016

January 8 – 12PM in 4-2-314

Satchin Panda, Salk Institute

“Circadian regulation of behavior and metabolism”

January 15 – 12PM in 4-2-314 (RISE Seminar)

Andrew Voss, Wright State University

“Progressive muscle defects and neuromuscular transmission in Huntington's disease”

January 22 – no seminar

January 29 – 12PM in 4-2-314

Sharma Bharti (Cal Poly Pomona), William Friedman (Harvard Univ.), Pamela Diggle (Univ. of Connecticut), Amy Litt (UC Riverside), Ann Sakai (UC Irvine), Neelima Sinha (UC Davis)

“microMorphSymposium” – hosted by Bharti Sharma from 12-4PM

February 5 – no seminar

February 12 – Holiday

February 19 – 12PM in 4-2-314 (RISE Seminar)

CANCELLED

February 26 – no seminar

February 29 (Monday Seminar) – 12PM in 4-2-314

Jordan Crago, University of Wisconsin – Milwaukee

“Identifying and mitigating risk from anthropogenic chemicals in the environment”

March 3 (Thursday Seminar) – 12PM in 4-2-314

Ryan Prosser, Environment Canada / Aquatic Contaminants Research Division

“Investigating potential chemical stressors on freshwater organisms”

March 4 – 12PM in 4-2-314 (RISE Seminar)

Jessica DeQuach, Ventrix, Inc.

“Decellularized matrices and biomaterials”

March 7 – (Monday Seminar) – 12PM in 4-2-314

Jone Corrales, Baylor University

“Environmental stressor responses in aquatic organisms”

March 8 – (Tuesday Seminar) – 12PM in 4-2-314

Andrea Bonisoli Alquati, Louisiana State University and AgCenter

“Chernobyl, Fukushima, and the Gulf of Mexico oil spill: Ecological lessons from environmental disasters”

March 10 – (Thursday Seminar) – 12PM in 4-2-314

Cecon Mahapatra, Purdue University

“Environmental toxicology of emerging contaminants. Toxicity concerns of PFCs: a comparative study”

March 11 – 12PM in 4-2-314 (CIRM Seminar)

Thomas Carmichael, UCLA

“Brain repair after stroke: a stem cell therapy”

SPRING 2016

April 1 – 12PM in 4-2-314 (CIRM Seminar)

Larry A. Couture, Beckman Research Institute of City of Hope

“Challenges & opportunities in developing new and emerging biologics”

April 5 – (Tuesday Seminar) – 12PM in 4-2-314

Henry Astley, Georgia Institute of Technology

“The Control & Evolution of Sidewinding”

April 8 – 12PM in 4-2-314

Christina Sigurdson, CSU San Diego

“The spread of infectious prions”

April 12 – (Tuesday Seminar) – 12PM in 4-2-314

Michelle Beck, Virginia Polytechnic Institute and State University

“Physiological & Behavioral Ecology in the Context of Environmental Change”

April 15 – 12PM in 4-2-314 (RISE Seminar)

Adam Rosenthal, Calico, Inc.

“Using single-cell data to understand the physiological function of different cell-types and organisms”

April 21 – (Thursday Seminar) – 12PM in 4-2-314

Simon Bulley, University of Tennessee

“TRPP2 channels contribute to systemic blood pressure regulation”

April 22 – 12PM in 4-2-314

Beverley Henley, Caltech

“Gene expression in dopaminergic neurons at the single-cell level”

April 26 – (Tuesday Seminar) – 12PM in 4-2-314

Mason Dean, Max Planck Institute of Colloids and Interfaces

“Evolutionary perspectives on vertebrate hard tissues”

April 29 – 12PM in 4-2-314

CANCELLED

May 3 – (Tuesday Seminar) – 12PM in 4-2-314

Juanita Jellyman, Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center

“Developmental Programming of Obesity and Metabolic Dysfunction by Bisphenol A”

May 6 – 12PM in 4-2-314

Wallace (Marty) Meyer, Bernard Field Station / Pomona College

“Preserving biodiversity and ecosystem services in low elevation Southern California habitats”

May 13 – 12PM in 4-2-314 (RISE Seminar)

Jorge Velez Juarbe, Natural History Museum of Los Angeles County

“What can fossils tell us about the evolution of odontocetes: examples from the Pacific NW and Central America”

May 20 – 12PM in 4-2-314

Melissa Coleman, Keck Science Department of Claremont-McKenna, Pitzer, and Scripps Colleges

“Behavioral and neural mechanisms of duet singing in a neotropical wren”

May 27 – 12PM in 4-2-314

David Caron, USC

“Some emerging freshwater & marine harmful algal bloom issues in California”

June 3 – 12PM in 4-2-314 (RISE Seminar)

Jermaine Mahguib, Iowa State University

“Population genetics of an endangered and genomics of a common terrestrial gastropod; a set of project proposals”

ACADEMIC YEAR 2014-15

FALL 2014

October 3 – 12PM in 4-2-314

Peter Arensburger, Cal Poly Pomona

“Genomes are more than just genes, searching and describing transposable elements”

October 10 – 12PM in 4-2-314

Prabhat Kunwar, Caltech

“Is the hypothalamus a center of a fear-like state?”

October 17 – 12PM in 4-2-314

Craig LaMunyon, Cal Poly Pomona

“Control of sperm activation in *C. elegans*: developmental genetics reveals how sperm get their move on”

October 24 – 12PM in 4-2-314

Kristine Kaiser, Pomona College

“Herps in the city: Urban habitat change and behavior, ecology, and physiology”

October 31 – 12PM in 4-2-314

Gerard Jensen, Gilead

“AmBisome and the AmBisome supply chain”

November 7 – 12PM in 4-2-314 (COAST seminar)

Arlene Haffa, Cal State Monterey Bay

“Connecting to students through high-impact practices: Undergraduate research in the microbiology classroom and on a low budget”

November 14 – 12PM in 4-2-314

Bryan Thines, Keck Science Department of Claremont-McKenna, Pitzer, and Scripps Colleges

“Get stressed! Protein degradation in plant responses to the environment”

November 21 – 12PM in 4-2-314

Laura Kormos, Steinhart Aquarium, Sr. Manager of Animal Health and Aquarium Operations

“A career in aquarium sciences”

November 28 – Holiday

December 5 – 12PM in 4-2-314 (CIRM Seminar)

Ali Khoshnan, Caltech

“Using stem cells to learn about the neurobiology of Rett syndrome”

WINTER 2015

January 23 – 12PM in 4-2-314

Kevin Carpenter, Cal Poly Pomona

“Imaging the microbial ecology of the lower termite hindgut: Correlated in-situ EM, FIB-SEM, and NanoSIMS analysis of carbon and nitrogen flux and metabolism”

January 30 – 12PM in 4-2-314

Gregory Smith, Saint Mary's College of California

“Why do we look the way we do?”

February 6 – no seminar

February 13 – Holiday

February 17 (Tuesday Seminar) – 12PM in 4-2-314

Steve Whitfield, Gonzaga University

“Enigmatic decline and enigmatic survival in Costa Rican amphibians”

February 20 – 12PM in 4-2-314

Mike Bell, UC Irvine

“Transport, deposition, and impact of anthropogenic nitrogen to semi-arid and arid ecosystems”

February 26 (Thursday Seminar) – 12PM in 4-2-314

Michael Collyer, Western Kentucky University

“Contemporary morphological evolution of pupfishes in changing environments”

February 27 – 12PM in 4-2-314

Judith Toms, Rocky Point Bird Observatory (BC, Canada)

“Avian ecology of a tropical dry forest: moving towards an understanding of long-term declines”

March 3 (Tuesday Seminar) – 12PM in 4-2-314

Demian Willette, UCLA

“Investigating human impacts on threatened and exploited populations of marine vertebrates”

March 5 (Thursday Seminar) – 12PM in 4-2-314 (CIRM Seminar)

CANCELLED

March 12 (Thursday Seminar) – 12PM in 4-2-314

Jeremy Claisse, Occidental College

“Can we create more productive nearshore ecosystems?”

March 13 – 12PM in 4-2-314

Jonathan Richmond, USGS Western Ecological Research Center

“Effects of ‘boom and bust’ demography and geographic isolation on the landscape genetics of the Santa Ana sucker (*Catostomus santaanae*) in southern”

SPRING 2015

April 2 (Thursday Seminar) – 12PM in 4-2-314

Cora Woodward, Caltech

"*In vivo* structural studies of HIV-1 assembly, budding, and maturation"

April 3 – 12PM in 4-2-314

Laura Newcomb, CSU San Bernardino

"Blocking viral genome expression: Strategic antiviral targets within the influenza vRNP"

April 7 (Tuesday Seminar) – 12PM in 4-2-314

Allison Land, University of Minnesota – Minneapolis

"APOBEC3 Proteins: Protective roles and pathogenic consequences"

April 9 (Thursday Seminar) – 12PM in 4-2-314

Douglas Durrant, Washington University

"Securing the Border: How DCs control lymphocyte fate and function in the WNV-infected brain"

April 10 – 12PM in 4-2-314

Kai Blaisdell, UC Berkeley

"Exploring processes that influence spread of a vector-borne plant virus"

April 17 – no seminar

April 24 – no seminar

May 1 – 12PM in 4-2-314

Andrew Steele, Cal Poly Pomona

“Knowing when it’s time to eat”

May 8 – 12PM in 4-2-314 (CIRM Seminar)

Tracy C. Grikscheit, Children’s Hospital Los Angeles

“Tissue-engineering the gastrointestinal tract and beyond from organ-specific stem cells”

May 15 – 12PM in 4-2-314

Theodore Garland, Jr., UC Riverside

“Born to Run? The biology and genetics of voluntary exercise as revealed by a long-term, replicated selection experiment”

May 22 – 12PM in 4-2-314 (CIRM Seminar)

Eros Lazzerini Denchi, The Scripps Research Institute

“Consequences of telomere dysfunction”

May 29 – 12PM in 4-2-314

James Downer, UCD Agriculture and Natural Sciences

“Put your chips down!! Using Mulch to solve a complicated disease problem - Avocado Root Rot”

June 5 – 12PM in 4-2-314

Karen Parfitt, Pomona College

“Reversal of synaptic deficits in a mouse model of Alzheimer’s disease”

ACADEMIC YEAR 2013-14

FALL 2013

October 4 – 12PM in 4-2-314

Isaac Pessah, UC Davis

"Tipping the balance of neural networks: environmental chemicals and autism risk"

October 11 – 12PM in 4-2-314

Parag Vaishampayan, Caltech / JPL

"*Bacillus pumilus* spores hitchhiking to the International Space Station"

October 18 – 12PM in 4-2-314 (RISE Seminar)

Chris Petro, Albert Einstein University

"Understanding genital immunity towards HSV-2: Are antibodies needed?"

October 25 – 12PM in 4-2-314

Kevin Carpenter, Consultant – biology, microscopy, and imaging specialist

"Protist-bacterial symbioses and carbon and nitrogen flux in the hindgut of a lower termite: Stable isotopic tracers and correlated SEM, FIB-SEM, TEM, and NanoSIMS analysis"

November 1 – 12PM in 4-2-314

Tijana Talisman, City of Hope

"Nanoscopic investigation of protein organization using pointillistic microscopy"

November 8 – 12PM in 4-2-314

James Finlay, City of Hope

"Targeting the twisted nature of metastatic breast cancer"

November 15 – 12PM in 4-2-314

Mark Ibekwe, USDA

“Protection of food and water supplies from pathogen contamination”

November 22 – 12PM in 4-2-314 (RISE/CIRM Seminar)

David Chan, Caltech

“Dynamic processes controlling mitochondrial function”

November 29– Holiday

December 6 – 12PM in 4-2-314

Sotiris Masmanidis, UCLA

“Monitoring brain dynamics during actions and expectations”

WINTER 2014

January 10 – 12PM in 4-2-314

Ángel Valdés, Cal Poly Pomona

“Changing oceans and global biogeography of opisthobranch sea slugs”

January 17 – 12PM in 4-2-314

Edward Bobich, Cal Poly Pomona

“Growth and physiological ecology of coastal pygmy oaks and inland oaks in a low rainfall year”

January 24 – 12PM in 4-2-314 (RISE Seminar)

Anna Zelaya, Montana State University (Bozeman)

“Microbial community analysis of native populations in contaminated and non-contaminated environments”

January 31 – 12PM in 4-2-314

Celia Churchill, UC Santa Barbara

“Origins of pelagicism, diversification, and population structure in the neuston”

February 7 – 12PM in 4-2-314

Andrew Farke, Alf Museum / The Webb Schools

“Growing up parasaurolophus: ontogeny and heterochrony in the tube-crested dinosaur”

February 21 – 12PM in 4-2-314 (RISE Seminar)

Sam Ho, Molecular Express Inc.

“Enhancing immunogenicity through VesiVax® liposomes”

February 28 – 12PM in 4-2-314 (CIRM/RISE Seminar)

Toshio Miki, USC

“Generation of hepatic cells from placental stem cells”

March 7 – 12PM in 4-2-314 (RISE Seminar)

Zeynep Akyol Ataman, W.M. Keck Science Department of Claremont McKenna, Pitzer, and Scripps Colleges

“Understanding Nipah virus, the deadliest virus you've never heard of”

March 14 – no seminar

SPRING 2014

April 11 – 12PM in 4-2-314

Tom Gillespie, UCLA

“World's Most Endangered Forest”

April 18 – 12PM in 4-2-314

Erin Questad, Cal Poly Pomona

“Ecological Restoration in the Anthropocene”

April 25 – 12PM in 4-2-314 (CIRM Seminar)

Christine Brown, City of Hope

“Adoptive therapy utilizing chimeric antigen receptor engineered T cells for the treatment of cancer”

May 2 – no seminar

May 9 – no seminar

May 16 – 12PM in 4-2-314

Baljit Khakh, UCLA

“Conditions and constraints for astrocyte calcium signaling in a model neuronal circuit”

May 23 – 12PM in 4-2-314

Paul Beardsley, Cal Poly Pomona

“The genetic basis of species differences: how changes in pollinators and mating system differently affect genetic architecture in monkeyflowers”

May 28 (Wednesday Seminar) – 12PM in 4-2-314

Andres Aguilar, CSU Los Angeles

“Comparative phylogeography and diversification of California's freshwater ichthyofauna”

May 30 – 12PM in 4-2-314

Gretchen North, Occidental College

“How light affects hydraulic conductance and water acidity for tank bromeliads”

June 6 – 12PM in 4-2-314

Tomasz Owerkowicz, CSU San Bernardino

“Respiratory turbinates in mammals and birds: the Rosetta Stone in the evolution of endothermy?”

ACADEMIC YEAR 2012-13

FALL 2012

September 28 – 12PM in 4-2-314 (CIRM Seminar)

Ravi Bhatia, City of Hope National Medical Center

“Leukemia stem cells”

October 5 – 12PM in 4-2-314

Kristopher Karsten, California Lutheran University

“Sex and death in one of the world’s shortest-lived vertebrates: the chameleon *Furcifer labordi* from southwest Madagascar”

October 12 – 12PM in 4-2-314

Robert Espinoza, CSU Northridge

“Small, cold-climate lizards break the ‘rules’ of herbivory in reptiles”

October 19 – 12PM in 4-2-314

Suzanne Edmands, USC

“Not playing by the rules: the genetics of speciation in a marine invertebrate”

October 26 – 12PM in 4-2-314 (RISE Seminar)

David Sanchez, Western University of Health Sciences

“Subversion of surveillance: the manipulation of innate immunity by HIV infection”

November 2 – no seminar

November 9 – 12PM in 4-2-314 (RISE Seminar)

Jeffrey Suhalim, UC Irvine

“Biological imaging of cells and tissues using coherent Raman scattering”

November 16 – 12PM in 4-2-314

Curtis Clark, Cal Poly Pomona

“A child of two parents: hybrid speciation in *Encelia*”

November 23– Holiday

November 30 – 12PM in 4-2-314 (RISE Seminar)

Jill Adler, Cal Poly Pomona

“An update on using liposomes for delivering drugs and vaccines”

WINTER 2013

January 18 – 12PM in 4-2-314

Tonya Kane, UCLA

“Nitrogen fixation and denitrification: a microbial response to nutrient inputs in southern California estuaries”

January 25 – 12PM in 4-2-314 (RISE Seminar)

Travis Stiles, UC San Diego

“LRP1 is a novel therapeutic target in the regeneration of CNS neurons after injury”

February 1 – 12PM in 4-2-314

Junjun Liu, Cal Poly Pomona

“The TWIST in breast cancer metastasis”

February 8 – 12PM in 4-2-314 (RISE Seminar)

Julie Schwartz

“Reemergence of simian varicella virus infection in cynomolgus macaques (*Macaca fascicularis*)”

February 15 – 12PM in 4-2-314 (RISE Seminar)

Cuauhtemoc Garcia-Garcia, Stanford University

“Kinetic trapping of the cotranscriptional fold as a determinant of adenine riboswitch translational control”

February 22 – 12PM in 4-2-314 (RISE Seminar)

Daniel Cua, Merck

“Discovery of a novel T cell subset that controls autoimmune inflammation”

March 1 – 12PM in 4-2-314 (CIRM Seminar)

Eugene Brandon, ViaCyte

“Developing a cell therapy for diabetes”

March 8 – 12PM in 4-2-314

Jennifer Funk, Chapman University

“Trait-based approaches to ecological restoration in invaded communities”

March 15 – 12PM in 4-2-314

CANCELLED

SPRING 2013

April 12 – 12PM in 4-2-314

Raul Diaz, La Sierra University

“The Veiled Chameleon: A new lab model for understanding the development of vertebrate morphological novelties”

April 19 – 12PM in 4-2-314 (RISE Seminar)

Wendy Tai, Celgene Corporation

“Overcoming the hiring ‘Catch-22’. Insight for transitioning from academia to medical science liaison”

April 26 – 12PM in 4-2-314 (CIRM Seminar)

Michael Kahn, USC

“Pharmacologic Manipulation of Stem Cells and Cancer Stem Cells”

May 3 – 12PM in 4-2-314**–** 12PM in 4-2-314 (RISE Seminar)

Lamar Blackwell, Cedars Sinai Medical Center

“Macrophages lacking a functional Angiotensin Converting Enzyme N-terminal domain respond to inflammatory stimuli with increased MAPK activation and decreased c-Maf expression”

May 10 – 12PM in 4-2-314

Donovan German, UC Irvine

“Energy acquisition in detritivorous fishes and microbial decomposers: eatin’, poopin’, and external rumens”

May 17 – 12PM in 4-2-314

Lisa Crummett, UC Irvine

“An examination of marine myoviruses, major drivers in the marine food web”

May 24 – 12PM in 4-2-314

CANCELLED

May 31 – 12PM in 4-2-314

Kevin Carpenter, Consultant – biology, microscopy, and imaging specialist

“Protist-bacterial symbioses and nitrogen fixation in the hindgut of a lower termite: Stable isotopic tracers and high resolution SEM, FIB-SEM, TEM, and NanoSIMS analysis”

June 7 – 12PM in 4-2-314**–** 12PM in 4-2-314 (RISE Seminar)

Cydne Perry, Shepherd University

“Biotin status response in pregnant, nonpregnant and lactating women consuming a dietary biotin intake exceeding current recommendations”

ACADEMIC YEAR 2011-12

FALL 2011

October 7 – 2PM in 4-2-314

Jayson Smith, Cal Poly Pomona

“Urban ecology: a southern California rocky intertidal community perspective”

October 14 – 2PM in 4-2-314

Kenneth J. Dery, City of Hope / Cal Poly Pomona Adjunct Faculty

“Characterization of a novel IRF1-dependent splicing pathway in the interferon response”

October 21 – 4PM in 3-1616 (RISE Seminar)

David Kersey, Western University of Health Sciences

“A physiological relationship between adrenal and ovarian activity during reproduction in the giant panda”

October 28 – 2PM in 3-1639

Don Hoyt, Cal Poly Pomona

“Do forces trigger the trot-gallop transition?”

November 4 – 2PM in 3-1639 (RISE/CIRM Seminar)

Doug Ethell, Western University of Health Sciences

“An Alzheimer's blood test developed from stem cells”

November 11 – Holiday

November 18 – 4PM in 3-1616 (RISE Seminar)

Eric Forssen, Allergan Pharmaceuticals

“Bringing novel therapeutic technologies through research and into development”

November 25 – Holiday

December 2 – 2PM in 4-2-314

Anna Ahn, Harvey Mudd College

“Neural control and biomechanics of movement: Insights from human walking and frog kicking”

WINTER 2012

January 13 – 2PM in 4-2-314

Craig LaMunyon, Cal Poly Pomona

“Sperm competition and sperm size evolution in nematodes”

January 20 – no seminar

January 27 – 2PM in 4-2-314 (CIRM Seminar)

Alysson R. Muotri, UC San Diego

“Modeling autism in-a-dish using stem cells”

February 3 – 4PM in 3-1616 (RISE Seminar)

Haodong Chen, UCLA

“Chromatin biology and epigenetics in heart diseases: What central dogma didn't tell you”

February 10 – 2PM in 4-2-314

Peter Zani, Pomona College

“Climate-linked physiology and demography related to overwintering in side-blotched lizards, *Uta stansburiana*”

February 17 – 4PM in 3-1616 (RISE Seminar)

Andrew Phimister, Novartis Pharmaceuticals

“Early stage solid state characterization and formulation development of pharmaceutical candidates”

February 24 – 4PM in 3-1616 (RISE Seminar)

Ashraf Ibrahim, UCLA School of Medicine

“Mechanisms of host cell invasion by *Rhizopus oryzae* during mucormycosis”

March 2 – no seminar

March 9 – 2PM in 4-2-314

Sepehr Eskandari, Cal Poly Pomona

“Molecular physiology of GABA transporters”

SPRING 2012

April 6 – 4PM in 3-1616 (RISE Seminar)

Gina Rinetti, UC San Francisco

“Regulation of neurotransmitter release by ubiquitnation”

April 13 – no seminar

April 20 – 4PM in 3-1616 (RISE Seminar)

Frances Valencia, University of Texas at Galveston

“The impact of methamphetamine use on outcomes in herpes simplex virus type 2 disease and immune response”

April 27 – 4PM in 3-1616 (RISE Seminar)

Tammy Butterick, University of Minnesota

“Obesity and brain health: A central role for Orexin A”

May 4 – 12PM in 4-2-314

Thomas Vondriska, UCLA School of Medicine

“Why the structure of your genome matters: Insights for cardiovascular science and medicine”

May 11 – 12PM in 4-2-314

Andrew Voss, Cal Poly Pomona

“Skeletal muscle dysfunction in Huntington's disease”

May 18 – 12PM in 4-2-314

Scott Wetzel, The University of Montana

“Trogocytosis: Why hungry T cells take a bite out of antigen presenting cells”

May 25 – 12PM in 4-2-314

Carlotta Glackin, City of Hope Health Sciences

“A study of the Role of Twist in migration and invasion of breast cancer cells”

June 1 – 12PM in 4-2-314

Yuanxiang (Ansel) Zhao, Cal Poly Pomona

“Resveratrol exerts dosage and duration dependent effect on human mesenchymal stem cell development (Why drinking red wine and grape juice may be good for your stem cells)”