

UC Davis Postdoctoral Research Symposium - 18 May 2016 - UC Davis Conference Center

Time	Registration Desk	Meeting Room A	Ball Room A	Ball Room B	Ball Room C	Outside Area
8:30- 9:00	Registration	-	-	Coffee Poster set up	-	-
9: 00 – 10:30	Registration	Session 1A A stressful environment	Session 1B New Technologies	-	Session 1C Contagions and Infestations	-
10:30 – 11:30	Registration	-	-	Poster session A (Even) Coffee	-	-
11:30 – 12:30	Registration	Panel session A Copyright, Patent and Spin-offs	Panel session B Social Media and Research	-	-	-
12:30 – 1:30	Registration	-	-	-	-	LUNCH
1:30-3:00	Registration	Session 2A Thinking Ahead	Session 2B Agricultural Enhancements	-	Session 2C Biological systems	-
3:00 – 4:00	Registration	-	-	Poster session B (Odd) Coffee	-	-
4:00 – 5:30	Registration	Session 3A Medical Implications	Session 3B Connections and Interactions	-	Session 3C Biological Molecules	-
5:30 – 6:30	Registration	Refreshments and Awards				
6:30 – 7:30	Registration	Awards				

Meeting Room A

9:00 -10:30 Session 1A: A stressful environment

9:00 AM	Kaisa Kajala	Tomato root responses to drought and flooding
9:15 AM	Violeta Zorraquino Salvo	Networking adaptation across multiple stresses in Escherichia coli
9:30 AM	Erfan Goharian	Support Decision Making for Integrated Water Resource Management
9:45 AM	Misun Kang	Brine migration in salt in a temperature gradient
10:00 AM	Nimlesh Balaine	Effect of soil aeration on the degradation and efficacy of nitrification inhibitor, dicyandiamide.
10:15 AM	Dawei Feng	Thermochemistry of Rare Earth Minerals

11:30 – 12:30 Discussion Panel: Copyright, Patents and Spin-offs

Dr Alexander Lippman	UC Davis Innovating Communication in Scholarship Postdoctoral Fellow
Dr Zane Starkewolfe	UC Davis Associate Director New Venture Resources Office of Research
Dr Steven Frese	Scientific Manager at Evolve Biosystems

1:30 – 3:00 Session 2A: Thinking ahead

1:30 PM	Tamar Kaneh-Shalit	Empathy from a cross-cultural perspective: Israel and the US
1:45 PM	Jenny Roth	Biases in Person Judgment: One's Own Self-Concept Affects the Evaluation of Other People
2:00 PM	Sara Freeman	Are neural oxytocin receptors responsible for the social deficits in autism spectrum disorder?
2:15 PM	Ling Ning	The use of propensity score techniques in institutional research
2:30 PM	Huy Q. Chung	Formative Assessment in Mathematics Effects on Both Teachers and Students
2:45 PM	Lauren Libero	Persistence of Megalencephaly in a Subgroup of Young Boys with Autism Spectrum Disorder

4:00 – 5:30 Session 3A: Medical implications

4:00 PM	Atefeh Mousavi Nik	Neurosteroids effects on GABAA Receptors in Isolation and In Vitro Neurons with High-Throughput Screening
4:15 PM	Sibongile Mafu	Harnessing nature's chemistry for pharmaceutical products
4:30 PM	Ashley Rowson-Hodel	Hexamethylene amiloride engages a novel reactive oxygen species- and lysosome-dependent programmed necrotic mechanism to selectively target breast cancer cells
4:45 PM	Molly Foote	Investigating the pathological role of neurons in Fragile X-associated Tremor/Ataxia Syndrome (FXTAS) using an inducible mouse model
5:00 PM	Huanyu (Joe) Qiao	One RING to Rule Them All: RNF212 Regulates The Size of The Ovarian Follicle Pool
5:15 PM	Sumanta Goswami	Potent inhibitor of soluble epoxide hydrolase decrease NSAID-induced intestinal ulcer

Ball Room A

9:00 -10:30 Session 1B: New Technologies

9:00 AM	Bogdan Vasilescu	Multitasking? "Digital archaeology" shows up to five projects is optimal
9:15 AM	Javad Barouei	A quantitative risk model to assess postharvest parameters impacting the prevalence and levels of Salmonella on pistachios
9:30 AM	Benjamin Cain	Looking at Dark Matter Through Our Warped Universe
9:45 AM	Yang Si	Ultralight nanofibre-assembled cellular aerogels with superelasticity and multifunctionality
10:00 AM	Tommaso Patriarchi	Illuminating G-protein-coupled receptors in action with a novel optogenetic sensor
10:15 AM	Bipin Kumar	A Novel Memory Bandage for Deep Vein Thrombosis

11:30 – 12:30 Discussion Panel B: Social media in research

Ms Sallie Poggie	UC Davis Digital Communications Specialist
Dr Sarah McCullough	UC Davis Strategic Initiatives Coordinator
Dr Kaisa Kajala	UC Davis Department of Plant Biology Postdoctoral Fellow

1:30 – 3:00 Session 2B: Agricultural Enhancements

1:30 PM	Quentin Stoeffler	Assessing index insurance in developing countries
1:45 PM	Elizabeth Antaki	Assessment of Zoonotic Risks in Aquaponic Produce Production
2:00 PM	Jesus Fernandez Bayo	Is there life after soil biosolarization?
2:15 PM	Yigal Achmon	Do more with less! Utilizing food waste for sustainable agriculture and renewable energy
2:30 PM	Keshav Singh	Hyperspectral Remote Sensing in Detection of Biotic Stresses in Plants for Precision Agriculture
2:45 PM	Hagop Atamian	Examining the Significance and Understanding the Mechanisms of Sunflower Heliotropism

4:00 – 5:30 Session 3B: Connections and Interactions

4:00 PM	Yunfeng Ding	Synthetic communication between artificial and natural cells
4:15 PM	Jacob Davidson	Evidence accumulation and foraging decisions of harvester ants
4:30 PM	Juan Carlos Ruiz	New insights from ant wars- how soldier density mediates strength during confrontations between competing social groups.
4:45 PM	Christine Ewers-Saucedo	The unexpected mating system of a barnacle with an unusual sexual system, androdioecy
5:00 PM	Victoria Cussen	Selective foraging of an avian seed predator in temperate conifer forest – the role of plant secondary compounds.
5:15 PM	Marton Posfai	Controlling multilayer, multi-timescale networks

Ball Room C

9:00 -10:30 Session 1C: Contagions and Infestations

9:00 AM	Elvira de Lange	Beating the bugs in the bogs – Insect resistance in cranberry
9:15 AM	Essam Abdelfattah	Essential Oils: Effects of application rate on their potential for combating northern fowl mite infestations
9:30 AM	Nora Navarro-Gonzalez	Food-borne pathogens in free-range cattle: is there transmission from/to birds?
9:45 AM	Olena Sambucci	Drones in the Vineyard: An Ex Ante Assessment of an Automatic Powdery Mildew Sprayer for California Grapes.
10:00 AM	Sebastian Albu	Anaerobic Soil Disinfestation as a pre-plant non-fumigation strategy for controlling soilborne phytopathogens in walnut nurseries
10:15 AM	Sarah Morran	Characterization of Glyphosate-resistant Echinochloa colona Populations from California

1:30 – 3:00 Session 2C: Biological Systems

1:30 PM	Lloyd Nackley	How climate change and biome shifts are redefining invasion ecology, lessons from South Africa
1:45 PM	Minji Kim	Evaluation and identification of biological constituents in biogas and biomethane
2:00 PM	Marie Hennebelle	Evaluation of plasma oxylipin concentrations in seasonal affective disorder
2:15 PM	Emily Delaney	Repeated evolution of a sex-limited polymorphism through genetic changes to the same gene
2:30 PM	Sharon Gray	A Systems-Level Study On The Effects of Elevated Atmospheric CO2 on Solanum lycopersicum and Solanum pennellii
2:45 PM	Rüdiger Hauck	Mutations during Embryo Adaption of Avian Encephalomyelitis Virus

4:00 – 5:30 Session 3C: Biological Molecules

4:00 PM	Kasturi Dasgupta	Purple is the new orange- Next generation smart fruits
4:15 PM	Jin-Zheng Wang	Organelle communication: cross talk between chloroplast, nucleus and ER.
4:30 PM	Mariana X. Byndloss	NOD1 and NOD2 signalling links ER stress with inflammation
4:45 PM	George Chenux	Loss of SynDIG1 reduces excitatory synapse maturation in vivo
5:00 PM	Anna Kalashnikova	Single molecule imaging of the chromatin remodeling complex, INO80
5:15 PM	Akiva Shalit-Kaneh	Plants get Jet-lag too: Unraveling the mysteries of the circadian clock