UC DAVIS
DEPARTMENT OF CHEMISTRY

2016 Graduating Seniors Awarded Departmental High or Highest Honors

Student	Research Mentor	Honors	Senior Thesis
Joseph Beckett	Mascal	Highest	A Soluble, Conjugated Co-polymer of Pyrrole and 5-(Chloromethyl)furfural
Bill Chan	Siegel	Highest	Thermal stability of hundreds of β-glucosidase point mutants allows evaluation of current predictive algorithims
Haley Cynar	Russell	Highest	Ba/Ca in the calcite shells of some planktonic foraminifera is correlated with phytoplankton productivity, potentially providing paleoceanographers with a new geochemical proxy for reconstructing changes in ocean productivity over geologic time scales.
Sydnee Green	David	Highest	High-Throughput Florescence Assay for the Study of Click Modified Transition state Inhibitors for Base Excision Repair Glycosylases.
Adam Jenkins	Ng	Highest	The bracing ratio of N2 using Vacuum Ultraviolet – Velocity-Map Imaging (VUV-VMI)
Anna Johnston	Osterloh	Highest	Assembly of Silica Supported α-Fe 2 O 3 Core-Shell Structures for Photocatalytic Oxygen Evolution via Photoelectrolysis
Sarah Lloyd	Osterloh	Highest	Investigating the light-sensitive ferroelectric behavior of nanoscale Cr-doped $SrTiO_3$ using surface photovoltage spectroscopy (SPV): a closer look at a photocatalyst for solar hydrogen evolution
Roberto Nava	Wulff	Highest	Scale-up of a tricky bromine mediated heterocyclic ring closure
Courtney Ngai	Wang	Highest	Filter or not? A Review of the Influence of Filtration on Extra Virgin Olive Oil
Austin Phung	Wang	Highest	Peroxide Values and Free Fatty Acids Determinations: A Method Comparison Study
Sahana Rajan	Ames	Highest	Elucidate the structural basis of Ca 2+ -dependent surface expression of L-type voltage-gated Ca 2+ channels (CaV1.2) at the postsynaptic membrane in hippocampal neurons.
Carolina Ryklansky	Siegel	Highest	
Jason Yun	Louie	Highest	The development of Magnetic Resonance Imaging (MRI) contrast agents based on molecular switches attached to nanoparticles.
Sokena Zaidi	Berben	High	Metal Centered Catalysts Covalently Attached to High surface Area Carbon Materials