

2017 Graduating Seniors Awarded Departmental High or Highest Honors

Student	Research Mentor	Honors	Senior Thesis
Shiela Angulo	Berben	Highest	Synthesis of redox-active ligand complexes of gallium, including their isolation and characterization
Michael Aristov	Balch	Highest	
Robert Bruce	Oberholster	Highest	Evaluate the impact of sorting grape berries according to ripeness using a new WECO optical sorter (UC Davis Teaching and Research Winery)
Ardavan Farahvash	Stuchebrukhov	Highest	Investigating a Missing Link in the Mechanism of Cytochrome c Oxidase: Prediction and Analysis of Internal Water Chains
Blanca Gomez	Franz	Highest	Design and Synthesis of Indole-containing Malonamides and Potential HDAC Inhibitors
Navtej Grewal	Kauzlarich	Highest	
Zackery Gruey	Wang, L	Highest	
Jessi Hartman	Donadio	Highest	Investigated the effect of nitrogen doped graphene as a catalysts of the oxygen evolution reactions in water by quantum mechanical simulations (density functional theory -DFT) and molecular dynamics.
Lara Ibrahim	Arsuaga	Highest	Computational and experimental work on the topological analysis of kinetoplast DNA
Ada Kwong	Shaw	Highest	Synthesis of Gyramide-bound Photoaffinity Reagents and Gyramide Analogs for DNA Gyrase
Allison Lee	Lonnerdal	Highest	The Association of Dynamic Changes of Osteopontin Concentrations in Human Milk and Infant Plasma
Clarabella Li	Kurth	Highest	Synthesis of Correctors and Potentiators for CFTR W1282X Mutation
Alicia Lim	Wang, S	Highest	Examined the amount of oleuropein aglycone present in olive oils, as it is an antioxidant, and its possible therapeutic effects for various diseases, and contribution to the oxidative stability of olive oil.
Jonathan Luke	Raybould	Highest	Elucidating Cell Surface N-glycosylation in Metabolically Active Tissues
Joseph Mazzetti	Kovnir	Highest	Synthesis, crystal structure, and thermoelectric properties of two new phosphides BaCu ₅ P ₃ and Ba ₄ Cu _{11.2} Mg _{2.8} P ₁₀

Madeline Mumbleau	Beal	Highest	Defining the Structure of a Major Groove Nucleobase Click Modification in RNA
Kelly Nguyen	Atsumi	Highest	Evolution of Isobutyl Acetate Tolerance in Escherichia coli
Skylar Osler	Power	Highest	The pursuit of a stable copper (II) alkyl; The synthesis and characterization of a novel amide transfer agent and its transition metal derivatives.
Sarah Potter	Toney	Highest	Conversion of Anthranilate Synthase to Aminodeoxychorismate Synthase with Janus Mutations.
Alec Tyra	Mukhopadhyay	Highest	Deriving Paleotemperatures from the Speleothem Record: Past climate change in the Western Sierra Nevada
Holly Vickery	David	Highest	DNA Base Excision Repair by the DNA Glycosylase MutY
Ben Wigman	Franz	Highest	Lewis and Brønsted Acid Catalyzed Allylsilane Oligomerization