

2019 Graduating Seniors Awarded Departmental High or Highest Honors

Student	Research Mentor	Honors	Senior Thesis
Sally Burke	Alexandra Navrotsky	Highest	Laser Ablation of Magnesium Silicate
Jesse Erdmann	Anita Olberholster	Highest	Yeast Application in Resolution of Smoke Taint
Rachel Franklin	Robert H. Rice	Highest	A Comparison of Pigmented and Non-pigmented Hair Shaft Proteomes: Expression Levels and Genetically Variant Peptide Detection
Virginia Johnson	Kristie Koski	Highest	Manganese Intercalated Two Dimensional Layered Materials at High Pressure: Mn-Si ₂ Te ₃ , Mn-MoSe ₂ , Mn-Bi ₂ Se ₃ , and Mn-GeS
Niklas Kraemer	Mark Kurth	Highest	Photochemical Synthesis of Indazolones and Indazoles Modifications and Further Development of the Davis-Beirut Reaction
Adon Kwong	Annaliese Franz	High	Design and Synthesis of Indole-Based Hydroxamic Acids to Investigate as Selective HDAC Inhibitors
Yiyun Liu	Carlito Lebrilla	Highest	The Development of a Mass Spectrometry-Based Monosaccharide Composition Analysis Method for Foods
Brooke McMahon	David Goodin	Highest	Increasing Student Preparedness and Learning in the Laboratory: Redesigning the Laboratory Manual
Taruna Neelakantan	Igor Vorobyov	Highest	Elucidation of Chemical Structures - Activity Relationship for Anti-Cancer Properties of Amiloride Derivatives
Minh Nguyen	Lee-Ping Wang	Highest	Benchmarking Density Functional Approximations, Atomic Basis Sets, and Solvent Models in Predicting Thermodynamic Hydrilities in Organic and Organometallic Species
Karina Targos	Annaliese Franz	Highest	Rh-Catalyzed Si-H Insertion Reaction of Diazoacetates for the Synthesis of Novel Organosiloxane Hybrid Nanomaterials Displaying Organic Functional Groups
Ashley Takeshita	Qizhi Gong	Highest	Pathogen Recognition of Myd88 in the Olfactory Neuroepithelium
Victoria Yee	Carlito Lebrilla	Highest	Quantification of Monocyte Chemoattractant Proteins Using High Resolution Extracted-Ion Chromatogram Mass Spectrometry

