HOME

FAYE J

GEOGRAPHY: Northeast, Northern California and Bay Area, Pacific Northwest
INDUSTRY: Consulting/Management, Health/Medicine, Scientific Research/Development

Education

2011-2015	Scripps College, Claremont, CA Bachelor of Arts in Chemistry, GPA 3.56
2007-2011	Corvallis High School, Corvallis, OR

Honors and Awards

2011-2012, Spring 2013	Dean's List, Scripps College
2014	J. Stauffer Scholarship for Excellence in Chemistry and Physical Science
2011	Valedictorian of Corvallis High School

Research Experience

2014-present	**Senior Thesis Research**, Keck Science Department of the Claremont Colleges. Used the ^{31}P NMR techniques NOSEY and HSQC to examine the conformation profiles of the Dickerson Dodecamer sequence of DNA in the presence of Al^{3+}. Principle Investigator: Dr. Mary Hatcher-Skeers
2012-2014	**Summer Student Worker**, Oregon State University, Covallis, OR. Constructed, extracted, analyzed, and studied the lifetime of passive sampler devices with GLP technique and organized data through the programs LIMS and FreezerPro. Principle Investigator: Dr. Kim Anderson
2012-2013	**Undergraduate Research**, Keck Science Department of the Claremont Colleges. Synthesized diethyl chelidamate, an intermediate in the eventual synthesis of a desired platinum ligand. Principle Investigator: Dr. Nancy S. B. Williams.

Upper Division Courses

Organic Chemistry with Laboratory; Advanced Laboratory in Physical, Biological, and Analytical Chemistry; Quantum Mechanics; Thermodynamics; Biochemistry; Advanced Classical/Statistical Thermodynamics; Industrial Chemistry; Inorganic Chemistry; Independent Research in Materials Science

Presentations

J., F.L. *An examination of the Dickerson Dodecamer Sequence Conformation in the Presence of Aluminum using ^{31}P NMR*. Keck Science Senior Thesis Research Symposium (2014).

J., F.L. *Quantification of intracellular metal concentrations using genetically encoded sensors*. Keck Science Advanced Laboratory Presentations (2014)