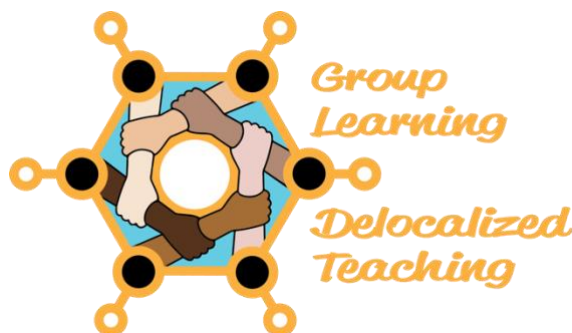


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Education

University of California, Irvine , Irvine, CA Ph.D. in Chemistry, Spring 2019	2013-2019
Western Washington University , Bellingham, WA M.S. in Chemistry, Spring 2013 B.S. in Chemistry, Spring 2011 Minor in German	2006-2013

Teaching Experience

Santiago Community College, Adjunct Instructor, Orange, CA Course Lecturer, Chem 200A (Remote Blended) <i>Course enrollment: 24 students</i> <ul style="list-style-type: none">Fully online course – Provided space for students to work together in Zoom breakout roomsFostered an open online classroom learning environment using anonymous white board feature and polling on ZoomChecked in on student's progress in and outside of the classroom with weekly emails during the pandemic	2020-Present Fall 2020
Laboratory Instructor, Chem 200A (Remote Blended) <i>Course enrollment: 24 students</i> <ul style="list-style-type: none">Hosted walkthrough online laboratory video experiments outside of normal class timeGuided students' observation and understanding through mini Q&A sessionsProvided students space to visually share work through opening multi-share function on Zoom	Fall 2020
Course Lecturer, Chem 100 <i>Course enrollment: 24 students</i> <ul style="list-style-type: none">Guided students through the reading material, homework, quizzes, and examsEncouraged students to work together in solving chemistry problems through active learning activitiesCreated a comfortable learning environment for students to ask questions through anonymous feedback boxInteracted with a diverse population of students that included international and EAL students	Spring 2020
Laboratory Instructor, Chem 100 <i>Course enrollment: 24 students</i> <ul style="list-style-type: none">Fortified laboratory safety and equipment maintenance by constantly monitoring the lab spaceEncouraged students to explore, observe, and ask questions by providing positive and quick feedbackDemonstrated and explained laboratory equipment, techniques and chemicals before the start of the laboratory experiment to tap prior knowledge	Spring 2020

Chapman University, Grand Challenge Initiative Instructor, Orange, CA 2019-Present
Course Instructor, Grand Challenges in Science 1 Fall 2020
Course enrollment: 14 students (3 sections) Spring 2020

- Provided space for students to engaged with one other through small group discussions
- Coached students in science communication and presentation using interactive games
- Engaged students in critical thinking activities through small Q&A sessions
- Encouraged students to think, try, fail, and grow by emphasizing the learning objectives at the beginning of class

Course Instructor, Freshman Foundational Course Fall 2020
Course enrollment: 50 students (4 sections) Spring 2020

- Guided student groups through their science project by asking questions Fall 2019
- Led discussion on science article using online Canvas discussion board
- Integrated activity learning activities such as jig-saw to stimulate scientific conversion
- Standardized the grading with student involvement with active learning grading activities

University of California, Irvine, Graduate Teaching Assistant, Irvine, CA 2013-2019
Lecture Course Teaching Assistant, Inorganic Chemistry I, Chem 107 Fall 2017

- Discussion enrollment: 90 students (3 sections)*
- Integrated active learning activities such as Kahoot to address prior knowledge
 - Prepared and implemented original weekly problem sets and mini lectures
 - Led weekly discussions on inorganic topics but provided student-centered learning opportunities
 - Set up iClicker quizzes for the instructor of record to operate in the large lecture hall
 - Worked with a diverse population of students including international and EAL students

Lecture Course Teaching Assistant, Inorganic Chemistry I, Chem 127 Winter 2014
Discussion enrollment: ~29 students (3 sections)

- Prepared and implemented original weekly problem sets and mini lectures during discussion sections
- Assisted in the preparation of exams and homework materials for the instructor of record
- Cultivated a friendly and personal learning environment by learning student's preferred names
- Held biweekly reviews for students and quickly graded exams to provide students with feedback

Lecture Course Teaching Assistant, Organic Chemistry I, II & III, Chem 51A, B & C Summer 2018
Discussion enrollment: ~179 students (5 sections) Winter 2018

- Led weekly discussions on organic chemistry worksheets via think-pair-share Spring 2017
- Assisted in the preparation of teaching materials such as problem sets and exams Fall 2016
- Fostered a student-centered learning environment using original group gaming activities
- Implemented an original NMR game in the classroom and publish the findings in J. Chem. Educ.

Laboratory Course Teaching Assistant, Inorganic Chemistry, Chem 107 Winter 2016
Laboratory enrollment: 11 students

- Supervised students in inorganic chemistry laboratory by constantly monitoring the laboratory space
- Graded and provided quick feedback on student's lab report
- Demoed the laboratory equipment, techniques and chemicals before the start of the laboratory experiment to tap prior knowledge

Laboratory Course Teaching Assistant, Organic Chemistry, Chem 51LB & 51LC Winter 2019
Laboratory enrollment: 40 students (2 sections) Winter 2017

- Guided students in organic chemistry lab techniques with the Socratic method Fall 2013
- Graded and provided fast feedback on student's electronic laboratory notebook and lab reports
- Standardized the grading with student involvement with group active learning grading activities

Laboratory Course Teaching Assistant, General Chemistry, Chem 1LC Summer 2016
Laboratory enrollment: 50 students (2 sections) Spring 2016

- Supervised and instructed students in general chemistry lab techniques Spring 2015
- Trained students to keep complete and record accurate scientific findings Spring 2014
- Graded and provided speedy feedback on student's electronic laboratory notebook and post labs

Western Washington University, Graduate Teaching Assistant, Bellingham, WA 2011-2013

Laboratory Course Teaching Assistant, General Chemistry, Chem 121 - 123 Winter 2013
Laboratory enrollment: 40 students (2 sections) Spring 2013

- Assisted students in general chemistry lab techniques and equipment Fall 2013
- Trained students to observe, record, and discuss chemical experiments Winter 2012
- Graded and provided quick feedback on student's written post lab Spring 2012
- Constantly emphasized safety by monitoring the students in the lab space Fall 2011

Western Washington University, Undergraduate Teaching Assistant, Bellingham, WA 2010-2011

Laboratory Course Teaching Assistant, General Chemistry, Chem 123 Spring 2011
Laboratory enrollment: 40 students (2 sections) Spring 2010

- Maintained a constant supply of chemicals and equipment in the laboratory
- Help collected, organized, and entered post lab reports
- Assisted in students understanding of the experiment through the Socratic method

Professional Development

Chapman University, Grand Challenge Initiative 2019-Present

Mental Health Training Fall 2020

- Prepared instructors on potential mental health issues of their students during the pandemic
- Learned to recognize, address, and provide for students going through mental health complications

Safe Space Diversity Training Fall 2019

- A workshop aimed to understand the diverse population of students in the classroom
- Learned to build an inclusive and safe environment for all students

Summer Academy on Teaching Summer 2019

- Introduced to the teaching tools and resources present at Chapman University
- Informed about Chapman's teaching practices and student's needs

University of California, Irvine, Division of Teaching Excellence & Innovation (DTEI) 2017-Present

The Summit on Teaching in the 21st Century Spring 2020

- Attended a teaching summit with UCI lecturers and professors on current state of education
- Listened and observed seminar speaker, Dr. Marrongelle (Assistant Director of the NSF) keynote talk
- Discussed ongoing and potential science education research topics at UCI and beyond

University Studies 395, Teaching as Research Winter 2018

- Became familiarized with the primary aspects of doing educational research (IRB)
- Planned and carried out a small study to measure the effectiveness of teaching practices

University Studies 390A, Advanced Pedagogy and Academic Job Preparation Winter 2017

- Introduced to principles of course design and instructional development
- This course covered topics on active learning, inclusive learning, and educational research

University Studies 390B, Advanced Pedagogy and Academic Job Preparation Spring 2017

- Application of University Studies 390A's material in the design and implementation of the Teaching Assistant Professional Development Program (TAPDP)
- Designed a workshop meant to model best teaching practices as well as introduced new graduate TAs to their roles and responsibilities

University Studies 390C, Advanced Pedagogy and Academic Job Preparation Fall 2017

- Recruited and interviewed potential UCI graduate student pedagogical fellows
- Designed a course to assist pedagogical fellows in developing long-term teaching plans and preparedness for the academic job market

Center for Integration of Research, Teaching and Learning (CIRTL) Associate Winter 2017

- Designed a potential research project around teaching with definable goals and outcomes
- This program taught graduate students and faculties to effectively implement discipline based research practices in different learning environments

University of California, Irvine Graduate Resource Center Workshop 2018-Present

Public Speaking: Activate to Captivate

Winter 2018

- Learned techniques to turn passive presentations into active presentations
- Practiced individual research presentation in front of a general audience using active techniques

Improv for Teaching

Spring 2018

- Learned to think on our feet and engaged in active listening techniques
- Expanded our imagination to lead a dynamic classroom

Southern California PKAL Regional Network Annual Meeting 2017-Present

Building More Transparent Assignments and Evaluation in STEM Courses

Winter 2019

- Applied the principles of transparent design, evaluation, and assessment to our own class work
- Observed common assignments in STEM classrooms in light of transparent pedagogy

Inclusive Pedagogy: Finding the Right Approach for You and Your Context Winter 2018

- Shared inclusive practices between professors and graduate students in their respective field
- Listed inclusive activities that could be effortlessly implemented in chemistry and physics

Active Learning in Chemistry: Using Toys, Simulations, and Data Analysis to Enhance Learning Winter 2018

- A workshop aimed to introduce cheap and effective science demonstration to enhance student's chemistry concepts.

Discipline-based education research 101 Spring 2017

- Designed a discipline-based research study to conduct at a college institution
- A workshop that introduced educators on assessment tools for discipline-based research studies

A conversation forum between two and four-year faculty about transfer students Spring 2017

- Listened to the discussion between instructors in two and four year institutions about the challenges and success stories of transfer students
- A workshop aimed towards sharing ideas between instructors on how to improve the transition of transfer students to four year institutions

Game School Convention 2019-Present

Diversity, Inclusion in Gaming

Winter 2020

- Listened to a panel on the current state of inclusion in all types of gaming
- Gained educational gaming perspectives from experts from game designers to school teachers

Gaming SHTEAM

Winter 2020

- Listened to a panel on how to combine the world of gaming and science education
- Gained insights to how school teachers incorporate gaming into their classroom

Gaming for Social and Mental Wellness

Winter 2020

- Listened to a panel on the social and mental benefits of gaming inside and outside of the classroom
- School teachers shared their experiences with student's behavior on educational gaming

Language, Literacy, and Gaming

Winter 2020

- Listened to a panel on the impact of gaming on literacy (financial, science, language etc...)
- Gained new perspectives from experts in their respective field on gamifying their lessons plans

Mentorship (Undergraduate Researcher)

Alexa Wilson

Current Location: Undergraduate Researcher at Chapman University

Fall 2020

Reyna Velazquez

Current Location: Current Post-Baccalaureate Researcher at UCI

2019-Present

Jessica Mendoza

Current Location: Teach for America – Los Angeles

Summer Undergraduate Researcher from UC Berkeley

Summer 2018

Natwara Sutthirat

Current Location: Currently applying to medical and pharmacy programs

DAAD RISE Germany Summer Internship (\$3,000)

Undergraduate Research Opportunities Program (UROP) Grant (\$1,500)

Poster Presentation at 255th ACS National Meeting, New Orleans, LA

2017-2018

Ivy Kha

Current Location: Western University – Optometry Program

Undergraduate Research Opportunities Program (UROP) Grant (\$2,000)

Poster Presentation at 251th ACS National Meeting, San Diego, CA

2015-2017

Hannah Bui

Current Location: George Washington University – Master in Public Health

Poster Presentation at 251th ACS National Meeting, San Diego, CA

2015-2017

Service

Laotian Medicine and Research Symposium, Invited Speaker

Fall 2020

The Laotian American Community of Fresno, Online Forum

- Spoke to young Laotian American students about conducting academic research
- Answered questions from Laotian American students about research, college, and Ph.D. programs

Esperanza High School, Invited Speaker

Fall 2020

Esperanza High School STEM Club, Online Forum

- Shared my knowledge with high school STEM Club members on scientific research opportunities
- Inspired students to pursue more scientific endeavors by reaching out to research professors

Dean Search Committee, Volunteer

Fall 2019

Chapman University, Orange, CA

- Interviewed a candidate for the dean position of Schmid College of Science and Technology
- Read through the candidates' qualifications and cover letter to better understand the candidate

Ask-A-Scientist Night, Volunteer Fall 2019

Irvine Unified School District, Irvine, CA

- Advised 6th grade students on their middle school science projects by holding mini Q&A sessions
- Encouraged 6th grade students to try, fail, and grow with their middle school science projects
- Explained the chemistry behind their middle school science projects

Rare Earth Elements: The Intersection of Science and Society, Game Designer Summer 2019

Science History Institute, Philadelphia, PA

- Designed a custom "Rare Earth Elements" game for the Science History Institute
- Produced 200 copies of the game to distribute at the Science History Institute event
- Explained the importance of distilling the message of Rare Earth chemistry to the public

University of California Chemical Symposium, Social Media Manager 2018-Present

University of California

- Advertised the UC Chemical Symposium to UC graduate and postdoctoral members
- Engaged with the scientific community on the scientific breakthroughs from UC schools
- Managed UC Chemical Symposium social media accounts (twitter and Instagram)

Teaching Assistant Professional Development Program, Workshop Instructor Fall 2018

University of California, Irvine, Irvine, CA

Fall 2017

- Led a day and a half long workshop for incoming graduate student TAs on their roles and responsibilities
- Introduced TA duties such as grading, holding office hours and teaching via active learning
- Provided quick feedback to new TAs on their microteaching lessons

Chemistry Outreach, Volunteer 2017-Present

University of California, Irvine, Irvine, CA

- Traveled to elementary and middle schools to perform chemistry demonstrations
- Engaged with elementary and middle school students on the topic of chemistry once every month
- Exposed students to the world of chemistry and described the life of a chemist

Laboratory Experiments and Activities in Physical Sciences (LEAPS), Volunteer 2014-Present

University of California, Irvine, Irvine, CA

- Guided tour for elementary and middle schoolers and teachers through UCI research laboratory
- Engaged with middle and high school students on the topic of chemistry once every quarter
- Demonstrated chemistry experiments and showed their applicability to the outside world

Research Saturday, Volunteer 2014-Present

University of California, Irvine, Irvine, CA

- Guided tour for UCI undergraduate students through the chemistry research laboratory
- Advised undergraduate students in selecting a research group via a small group discussion format
- Assisted undergraduate students in drafting admission emails to research professors

SoCal Undergraduate Research Symposium, Poster Judge Summer 2018

University of California, Irvine, Irvine, CA

Summer 2016

- Judged chemistry research posters presented by undergraduate students around Southern California
- Asked scientific questions to undergraduate researchers about their project and findings
- Encouraged undergraduate researchers to keep pursuing their scientific goals

Awards

ACS CAS Future Leaders Award	2020
Chapman University's Grand Challenge Initiative Post-doctoral Fellowship	2019
UCI Dissertation Fellowship	2018
UCI Chemistry Most Promising Future Chemistry Teacher	2018
UCI Most Promising Future Faculty Member Award	2018
UC Chemical Symposium Social Media Award	2018
UCI Chemistry Outstanding Contributions to the Department Award	2017
CIRTL Certification, Associate Level	2017
UCI Pedagogical Fellow Award	2017
UCI Chemistry Gebel Award	2016
UCI Graduate Student Travel Grant	2015
WWU Best Poster Award during Scholars Week	2013
WWU Enhancement of Graduate Research Award	2012
WWU Multicultural Achievement Program Scholarship	2006
Interlake High School Key Club's Outstanding Club Member Scholarship	2006

Affiliations

CAS Future Leaders, Member	2020-Present
Laos Angeles, Member	2018-Present
Association of American Colleges & University, Member	2017-Present
American Chemical Society, Member	2011-Present
UC Chemical Symposium Organizing, Member	2018-2019
WWU's Science Graduate Research Organization (STEMGRO), Member	2012-2013
WWU's Chemistry Club, Member	2010-2013
WWU's German Club, Member	2009-2010

Related Affiliations

Founder and Designer of <i>d</i>-Orbital Games – Science <i>Table Top Game Company</i>	2017-Present
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Game Titles Produced:

1. Selenium Argon Carbon Hydrogen [SeArCH] – Periodic Table Game
2. Boro Uranio Escandio Argón [BUScAr] – Spanish Version of SeArCH
3. Slap Count – *d*-Electron Count Game
4. Sym Slam – Point Group Game
5. LINK – Amino Acid Game
6. ¹H NMR Spectrum – Proton NMR Game
7. 18 Electron Rule – Electron Count Game
8. Complex – Inorganic Chemistry Communication Game

Website: www.dorbitalgames.org

Research Experience

- University of California, Irvine, Graduate Research**, Irvine, CA 2013-2019
Advisor: Professor Jenny Y. Yang
Research Project Title: "Transition Metal Complexes of Modified Azaphosphatranes"
- Western Washington University, Graduate Research**, Bellingham, WA 2011-2013
Advisor: Professor John D. Gilbertson
Research Project Title: "Synthesis and Reactivity of Pyridinediimine Iron Complexes: for the Breakdown of Carbon Dioxide"
- Western Washington University, Undergraduate Research**, Bellingham, WA 2010-2011
Advisor: Professor John D. Gilbertson
Research Project Title: "Metalloenzyme Mimics with Hydrogen Bond Directors Located in the Secondary Coordination Sphere"

Peer-Reviewed Research Publications (* = corresponding author) (Names = 1st Author)

- 10 Brenna M.G. Gormally, Rebecca Green, Aaron W. Harrison, Brian A. Hoover, Kenjiro Quides, Zachary Thammavongsy, Shana R. Welles, Bingjie Zhang, Kelsey M. Gray, **Gregory R. Goldsmith***
"Facilitating Difficult Discussions in STEM" *EdArXiv Preprints* **2020**
- 9 **Thammavongsy, Z.; Morris, M.**; Link, R. D.* "Proton NMR Spectroscopy – A Board Game for Organic Chemistry" *J. Chem. Educ.* **2020**, 97, 4385-4390
- 8 **Thammavongsy, Z.**; Ziller, J.W.; Yang, J. Y.* "Modular Synthesis of Symmetric Proazaphosphatranes Bearing Heteroatom Groups." *Tetrahedral Letters* **2020**, 61, 152056-152058
- 7 **Thammavongsy, Z.**; Mercer, I. P.; Yang, J. Y.* "Promoting Proton Coupled Electron Transfer in Redo Catalysts through Molecular Design." *Chem. Commun.* **2019**, 55, 10342-10358
- 6 Sutthirat, N.; Ziller, J. W.; Yang, J. Y.; **Thammavongsy, Z.*** "Crystal structure of NiFe(CO)₅[tris(pyridylmethyl)-azaphosphatrane]: a synthetic mimic of the NiFe hydrogenase active site incorporating a pendant pyridine base." *Acta Cryst.* **2019**, E75, 438-442
- 5 **Thammavongsy, Z.**; Cunningham, D. W.; Sutthirat, N.; Eisenhart, R. J.; Ziller, J. W.; Yang, J. Y.* "Adaptable Ligand Donor Strength: Tracking Transannular Bond Interactions in Tris(2-pyridylmethyl)-azaphosphatrane (TPAP)." *Dalton Trans.* **2018**, 47, 14101-14110
- 4 **Thammavongsy, Z.**; Kha, I. M.; Ziller, J. W.; Yang, J. Y.* "Electronic and Steric Tolman Parameters for Proazaphosphatranes, the Superbase Core of the Tri(pyridylmethyl)azaphosphatrane (TPAP) Ligand." *Dalton Trans.* **2016**, 45, 9853-9859
- 3 **Thammavongsy, Z.**; Khosrowabadi Kotyk, J. F.; Tsay, C.; Yang, J. Y.* "Flexibility is Key: Synthesis of a Tripyridylamine (TPA) Congener with a Phosphorus Apical Donor and Coordination to Cobalt(II)." *Inorg. Chem.* **2015**, 54, 11505-11510
- 2 **Thammavongsy, Z.**; LeDoux, M. E.; Breuhaus-Alvarez, A. G.; Seda, T.; Zakharov, L. N.; Gilbertson, J. D.* "Pyridinediimine Iron Dicarbonyl Complexes with Pendant Lewis Bases and Lewis Acids Located in the Secondary Coordination Sphere." *Eur. J. Inorg. Chem.* **2013**, 22-23, 4008-4015

- 1 **Thammavongsy, Z.**; Seda, T.; Zakharov, L. N.; Kaminsky, W.; Gilbertson, J. D.* "Ligand Based Reduction of Carbon Dioxide and Release of Carbon Monoxide on Iron (II)." *Inorg. Chem.* **2012**, 51, 9168-9170

Peer-Reviewed Book Chapter

- 1 **Thammavongsy, Z.** "Designing Educational Tabletop Games for the Inorganic Chemistry Classroom" *ACS Symposium Series - Advances in Teaching Inorganic Chemistry Volume 1.* **2020**, 1370, 65-76

Presentations (Oral and Poster – Primary Presenter Only)

- 23 Virtual Presentation: "CAS Future Leader 10 Minute Presentation" CAS Future Leader Awards, Online, September 24th, 2020
- 22 Virtual Presentation: "Card Games Covering Topics in General and Organic Chemistry" AACT Virtual Summer Symposium: Chemistry Games, Online, July 30th, 2020
- 21 Oral Presentation: "Inorganic Chemistry Card Games by d-Orbital Games" ACS Biennial Conference on Chemical Education 2020, Corvallis, OR, July 18th – July 23rd, 2020 (*Abstract Accepted – Cancelled Pandemic*)
- 20 Oral Presentation: "Proton NMR Board Game by d-Orbital Games" ACS Biennial Conference on Chemical Education 2020, Corvallis, OR, July 18th – July 23rd, 2020 (*Abstract Accepted – Cancelled Pandemic*)
- 19 Oral Presentation: "Transition Metal Complexes of Modified Azaphosphatranes" Thesis Defense, Irvine, CA. May 17th, 2019
- 18 Oral Presentation: "Playing a cooperative ¹H NMR board game during office hour: Lessons Learned." ACS Biennial Conference on Chemical Education 2018, South Bend, IN, July 29th – August 2nd, 2018
- 17 Poster Presentation: "Utilizing Proazaphosphatranes Ligands in Metal Complexes." UC Chemical Symposium 2018, Los Angeles, CA, March 26th–28th, 2018
- 16 Oral Presentation: "Synthesis of Proazaphosphatranes Complexes." UC-Irvine Inorganic Seminar, Irvine, CA. June 1st, 2017
- 15 Poster Presentation: "Incorporating a proazaphosphatranes donor into a tripodal ligand." SoCal Organometallic Winter 2017 Meeting, Los Angeles, CA, December 4th, 2016
- 14 Poster Presentation: "Incorporating a proazaphosphatranes donor into a tripodal ligand." SoCal Organometallic Spring 2016 Meeting, Irvine, CA. April 23rd, 2016
- 13 Oral Presentation: "Incorporating a proazaphosphatranes donor into a tripodal ligand." 251th ACS National Meeting, San Diego, CA. March 13th–17th, 2016
- 12 Oral Presentation: "Ligand Design Incorporating Proazaphosphatranes, a Strong Electron Donating Group." SoCal Organometallic Fall 2015 Meeting, Riverside, CA. December 5th, 2015
- 11 Oral Presentation: "Incorporation of Lewis acidic or Lewis basic group in the secondary coordination sphere of metal complexes for the modulation of C-H bond formation and cleavage." 249th ACS National Meeting, Denver, CO. March 22th–26th, 2015

- 10 Poster Presentation: "Breakdown of CO₂ on Pyridinediimine Iron(II) Complexes." 2nd Western Washington University's Graduate Research Conference hosted by STEMGRO, June 1st, 2013
- 9 Poster Presentation: "Breakdown of CO₂ on Pyridinediimine Iron(II) Complexes." Western Washington University's Scholars Week, Bellingham, WA. May 13-17th, 2013
- 8 Oral Presentation: "Synthesis and Activity of Pyridinediimine Iron Complexes" Thesis Defense, Bellingham, WA. May 10th, 2013
- 7 Poster Presentation: "Production of CO Gas from CO₂ on Redox-Active Iron(II) Complexes." 245rd ACS National Meeting, New Orleans, LA. April 7th–11th, 2013
- 6 Oral Presentation: "Metalloenzyme Mimics with Hydrogen Bond Directors Located in the Secondary Coordination Sphere." Thesis Proposal, Bellingham, WA. April 27th, 2012
- 5 Poster Presentation: "Small-Molecule Activation by Pyridinediimine Iron Complexes." Western Washington University's Scholars Week, Bellingham, WA. May 13th-17th, 2012
- 4 Poster Presentation: "Small-Molecule Activation by Pyridinediimine Iron Complexes." 243rd ACS National Meeting, San Diego, CA. March 25th–29th, 2012
- 3 Poster Presentation: "Hydrogen Bonding in the Secondary Coordination Sphere of Zinc and Iron Enzyme Mimics." Western Washington University's Scholars Week, Bellingham, WA. May 15th-19th, 2011
- 2 Poster Presentation: "Hydrogen Bonding in the Secondary Coordination Sphere of Zinc and Iron Enzyme Mimics." 2011 ACS Puget Sound Section: Undergraduate Research Symposium, Seattle, WA. April 30th, 2011
- 1 Oral Presentation: "Metalloenzyme Mimics with Hydrogen Bond Directors Located in the Secondary Coordination Sphere." Jean Dreyfus Boissevian Lectureship Grant for Visiting Scientist Dr. Christopher Reddy, Bellingham, WA. February 17th, 2011