

## Conference Schedule

8:00 – 8:45	Registration, Breakfast in front of CS 50 Lecture Hall, Young Hall
8:50– 9:00	Welcome by UCLA Chair Cathy Clarke, CS 50 Lecture Hall, Young Hall
9:00 –10:05	Keynote Address by Dr. Dianne Newman, CS 50 Lecture Hall, Young Hall
10:15 – 11:15	Analytical Chemistry Oral Presentations Young Hall 2033
10:15 – 11:35	Inorganic Chemistry Oral Presentations Young Hall 3069
10:15 –11:55	Materials Chemistry and Theory/Computation Oral Presentations CS 76 Lecture Hall, Young Hall
10:15 -11:35	Biochemistry/Chemical Biology Oral Presentations I CS 50 Lecture Hall, Young Hall
10:15–12:15	Organic Chemistry Oral Presentations I CS 24 Lecture Hall, Young Hall
11:20 –12:50	Poster Session I (set up any time before 11:00) and lunch, Young Hall Atrium
12:50 – 2:10	Biochemistry Oral Presentations II CS 50 Lecture Hall, Young Hall
12:50 – 2:10	Biochemistry Oral Presentations III Young Hall 3069
12:50 – 2:10	Organic Chemistry Oral Presentations II CS 24 Lecture Hall, Young Hall
12:50 – 2:10	Organic Chemistry Oral Presentations III CS 76 Lecture Hall
12:50 – 2:10	Inorganic Chemistry Oral Presentations II Young Hall 2033
2:10 –3:40	Poster Session II Young Hall Atrium
3:45 – 4:00	Wrap up and Outstanding Talk/Poster Award Presentations CS 50 Lecture Hall, Young Hall

Analytical Oral Presentations  
Young Hall 2033  
Session Chair: Professor Alexander Spokoyny

- 10:15-10:35 Exploring Methyl Paraben Content of Fresh Blueberries  
**Hillary Belo Gonzalez, CSU Dominguez Hills**
- 10:35-10:55 Comparison of GC and HPLC Analytical Techniques for the Determination of Atmospherically Relevant Reaction Products  
**Monna Tabarani, CSU Fullerton**
- 10:55-11:15 A Correlation Study Between Particulate Matter and PAH Concentrations through the Bio-Monitoring of Pine Tree Leaves  
**Ruby Moran and Stephanie Cortez, Mount St. Mary's University**

Biochemistry I Oral Presentations  
CS 50 Lecture Hall  
Session Chair: Professor Heather Tienson

- 10:15-10:35 Development of Carborane-Based Histone Deacetylase Inhibitors  
**Azin Saebi, UCLA**
- 10:35-10:55 Antioxidant Activity Study in Agave Using 1,1-diphenyl-2picrylhydrazyl (DPPH) radical Assay  
**Imagine Davis-Ward and Madison Hamrick, Cal Baptist University**
- 10:55-11:15 The Effect of Peruvian Teas on Mammalian Cells  
**Kelly Araujo, Mount Saint Mary's University**
- 11:15-11:35 The effects of Ebenaceae diospyros & Annona muricata on Mammalian Tissue Culture  
**Kristen Fregoso, Mount Saint Mary's University**

Inorganic Oral Presentations I  
Young Hall 3069  
Session Chair: Professor Karno Ng

- 10:15-10:35 Developing Atomically Precise Boron Cluster-Based Nanoparticles via Perfluoroaryl-thiol Nucleophilic Aromatic Substitution Chemistry  
**Monica Kirolos, UCLA**
- 10:35-10:55 Zirconium Complexes Supported by Ferrocene-Based Ligand as Redox Switches for Hydroamination Reactions  
**Yi Shen, UCLA**
- 10:55-11:15 Substituent Effects on Redox-Switchable Catalysis for Orthogonal Polymerizations of Biodegradable Block Copolymers  
**Alexander Laughlin, UCLA**
- 11:15-11:35 Cage-Walking: Vertex Differentiation by Palladium-Catalyzed Isomerization of B(9)-Bromo-meta-Carborane  
**Joshua Martin, UCLA**

Materials and Theory/Comp Oral Presentations  
CS 76 Lecture Hall, Session Chair: Professor Hannah Hu

- 10:15-10:35 Synthesis and Applications of Singlet Fission Dimer Ligands on PbS Nanocrystals for Use in Organic Photovoltaics  
**Cassidy Feltenberger, USC**
- 10:35-10:55 Borides: Bonding, Hardness, and Anisotropy" is in the discipline of Theoretical & Computational Chemistry  
**Paul Robinson, UCLA**
- 10:55-11:15 Chemotactic Behavior on Paper Microfluidic Platforms  
**Alexis Rochelle Basa, CSU Los Angeles**
- 11:15-11:35 Tuning particle wettability for the formation of bicontinuous interfacially emulsion gels  
**Parastoo Ali Pour, UCI**
- 11:35-11:55 Characterization of the mechanical stability of chemically functionalized carbon nanotubes by scanning probe microscopy  
**Ifeh Akano, Matthew De Silva, Jeremy Armas, Cal Poly SLO**

Organic Chemistry Oral Presentations I  
CS 24 Lecture Hall, Session Chair: Professor Jen Carroll

- 10:15-10:35 Small Molecule Inhibitors for the Botulinum Neurotoxin  
**Ricardo S. Cruz, CSU Fullerton**
- 10:35-10:55 Structure activity relationship study of isoleucine sulfonamide hydroxamic acid inhibitors for the Botulinum Neurotoxin  
**Sandra Rodriguez Beltran, CSU Fullerton**
- 10:55-11:15 N,N-diarylbenzimidazolium Compounds  
**Kevin Kossick, CSU Northridge**
- 11:15-11:35 Synthesis of 2,6-diarylpyridine and 2,6-diaryllylutidine for atropine isomerism investigations  
**Garry Leonard, CSU Northridge**
- 11:35-11:55 Two-Tiered Force Sensing via Tandem Mechanophore Activation  
**Emil Samson, UCI**
- 11:55-12:15 Surfactant Synthesis of Hypophosphite Esters Involving Phosphorus Chemistry  
**Vivian Lee and Ann Gonzalez, Mount St. Mary's University**

Biochemistry Oral Presentations II  
CS 50 Lecture Hall, Session Chair: Professor Aftab Ahmed

- 12:50-1:10 The Extraction of Polyphenols from Peruvian teas and the effect of the tea fractions on HeLa cells  
**Elisha Davis, Mount Saint Mary's University**
- 1:10-1:30 DNA-Protein Crosslinking via Green Tea  
**Patricia Perez and Melissa Martinez, Mount Saint Mary's University**
- 1:30-1:50 Novel Luciferase-Luciferin Pairs for Multi-component Imaging  
**Christine Hua, UCI**
- 1:50-2:10 Analysis of lipid transfer proteins in *Arabidopsis thaliana* by means of epitope tags to decipher the role of LTP4's lipid in plant senescence  
**Johanna Bautista, CSU Los Angeles**

Biochemistry Oral Presentations III  
Young Hall 3069, Session Chair: Professor Yun Jung Kim

- 12:50-1:10      Interaction Between Spire and Rab GTPases and its Effect on the Developing Drosophila Oocyte  
**Jeff Wang, UCLA**
- 10:10-1:30      DNA Extraction from Aptamer-treated mice and real-time PCR analysis of the extracts  
**Katayoun Yazdi-Nejad, UCI**
- 1:30-1:50      Progress towards the development of novel nucleic acid-based therapeutics  
**Andrew Smith, University of San Diego**
- 1:50-2:10      The Role of Cyclic di-AMP in Synechococcus elongatus  
**Jenny Lee, UCSD**

Inorganic Chemistry Oral Presentations II  
Young Hall 2033, Session Chair: Professor Alexander Spokoyny

- 12:50-1:10      The Effect of Ionic Radii on the Formation of NCOT Perovskites  
**Loi Nguyen, CSU Fullerton**
- 1:10-1:30      Giant Brown Kelp as Biosentinel of Environmental Mercury Differs Geographically  
**Kelci Skinner, CSU Channel Islands**
- 1:30-:150      Polymerization through Redox Switchable Catalysis  
**Madeline Riffel, UCLA**
- 1:50-2:10      Physical Characterization of Multi-Block Copolymers and the Effect of Increasing Block Numbers  
**Kevin Swartz, UCLA**

Organic Oral Presentations II  
CS 24 Lecture Hall, Session Chair: Professor Ken Nakayama

- 12:50-1:10      The CH/ $\pi$ -coordination as a conformational tool for accelerating spontaneous radical coupling reactions  
**Shannen Guarina, CSU Northridge**
- 1:10-1:30      Cobalt-mediated radical cyclizations: Novel gateway to linearly fused carbocycles  
**Elen Artashyan, CSU Northridge**
- 1:30-1:50      Synthesis of Chiral Tetrahydropyrans by a Tandem Sakurai Allylation/Intramolecular 6-*Exo*-Tet Cyclization  
**Ciara Ordner, Cal Tech**
- 1:50-2:10      Deoxydehydration of Biomass-Derived Carbohydrates to Olefins using Molecular Vanadium Catalysts  
**Hector Alarcon, Cal Poly Pomona**

Organic Chemistry Oral Presentations III  
CS 76 Lecture Hall, Session Chair: Professor Alex John

- 12:50-1:10      Palladium(II)-Catalyzed Directed *anti*-Hydrochlorination of Unactivated Alkynes with *In Situ* Generated HCl  
**Annabelle Cantu, CSU Long Beach**
- 1:10-1:30      Monitoring DNA Duplex Formation with a Chemically Modified Tricyclic Cytidine Analogue  
**Kristine Claudine Teppang, SDSU**
- 1:30-1:50      Collaborative Approaches towards the Synthesis of Polyurethanes from Waste Oils  
**Tyler Liebel, Cal Poly Pomona**
- 1:50-2:10      Direct and Indirect Impacts of Black Lights on Secondary Organic Aerosols formed from Oxidation of 1-methylnaphthalene  
**Justin Min, UCR**