

### Spring 2014 Chemistry Department Seminar Schedule

(all seminars on Fridays in SQU 301 at 1:00pm unless denoted otherwise)

| <b>Date</b>        | <b>Speaker</b>   | <b>Seminar Title/Topic</b>   |
|--------------------|--|--|
| <i>January 31</i>  | Ben Gherman  | Logistics  |
| <i>February 7</i>  | Prof. Christopher Bardeen<br>University of California, Riverside | A photochemical reaction with 200% yield: how exciton fission can be used to increase solar cell efficiencies                                  |
| <i>February 14</i> | Prof. Tom Savage<br>CSUS Chemistry                               | The Biochemical Ecology of Harmful Algal Blooms: Understanding the Molecular Regulation of Domoic Acid Biosynthesis in <i>Pseudo-nitzschia</i> |
| <i>February 21</i> | Prof. Wade Russu<br>University of the Pacific                    | Design of Mutant Selective Platelet Derived Growth Factor Receptor (PDGFR) Family Kinase Inhibitors for Cancer                                 |
| <i>February 28</i> | Hui Hui Chong, Michael Cleary<br>E & J Gallo Winery              | Chemical Characterization of Grapes to Optimize Wine Quality   |
| <i>March 7</i>     | David Heppner<br>Stanford University                             | Molecular Insights into the Rates of Intramolecular Electron Transfer in the Multicopper Oxidases  |
| <i>March 14</i>    | *NO SEMINAR*   |  |
| <i>March 21</i>    | Grace Paragas (graduate student)                                 | Chemical Modification of Polyhydroxyalkanoates for Industrial and Biomedical Applications  |
| <i>March 28</i>    | *NO SEMINAR* (spring recess)                                     |  |
| <i>April 4</i>     | Prof. Tom Peavy<br>CSUS Biological Sciences                      | Studies on a stem-cell based therapy for non-healing diabetic foot ulcers  |
| <i>April 11</i>    | Machelle Sowinski (graduate student)                             | Predicting the effect of environmental factors on the (-)-menthol metabolic pathway in <i>M. piperita</i>                                      |
| <i>April 18</i>    | Dr. Seth Hillbrand<br>CSUS Physics and Astronomy                 | Testing the Origins of Chirality   |
| <i>April 25</i>    | Todd Emery (graduate student)                                    | Illuminating Cancer: The use of off/on fluorescent probes for the detection and study of various cancers                                       |
| <i>May 2</i>       | Prof. Jason Shearer<br>University of Nevada, Reno                | Curmudgeons, Cannibals, Cows, and Copper: Structural Metallobiology of Neurodegenerative Disorders   |
| <i>May 9</i>       | Adam Floyd (CSUS chemistry alumnus)<br>Vermicrop Organics        | Biochemical Applications in Organic Agriculture  |
| <i>May 16</i>      | Victor Mendiola (graduate student)                               | Recent Innovations of Lithium-Ion Based Batteries Through Chemical Modification in Production Methodologies                                    |