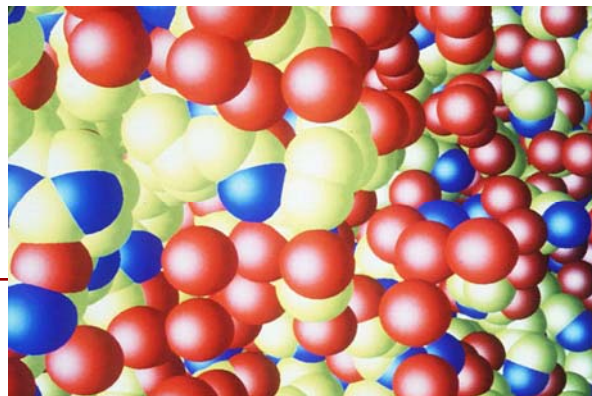


CHEMISTRY CHRONICLE



CWU Chemistry Department
Monthly Newsletter

ACS National Meeting....

The CWU Chemistry Department was well represented at the 2007 spring national meeting of the ACS held in Chicago, Illinois March 25-27.

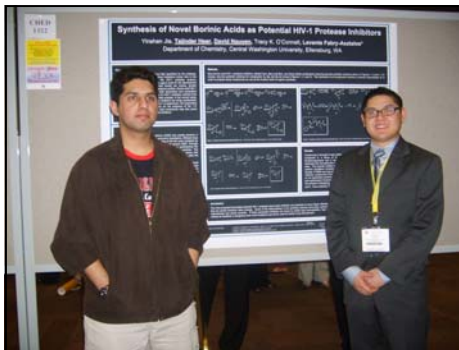
Attendees included faculty members Eric Bullock, Anthony Diaz, JoAnn DeLuca, Levente Fabry, Anne Johansen, Carin Thomas, graduate students Justin Johnston, Ryan Jorgensen and Jim Rivard, and undergrads Badi Abdul-Wahid, Brittany Affholter, Stephanie Bryner, Tajinder Heer, David Nguyen, and Annika Nieber.

A poster presentation entitled "Structure and Phase Behavior of Mixed Alkanethiol and Biphenylthiol Self-Assembled Monolayers on Gold Films" was presented by graduate student **Jim Rivard**. The authors are James Rivard, senior major **Daniel Hall**, and **Eric Bullock**.



Enjoying the sights of Chicago, L to R:
Carin Thomas, Justin Johnston, Anne Johansen,
Annika Nieber and Jim Rivard.

Undergraduates **Tajinder Heer** and **David Nguyen** presented a poster (below) on their research in Dr. Fabry's lab. The poster was titled "Synthesis of Novel Borinic Acids as Potential HIV-1 Protease Inhibitors."



A paper from the NIH grant collaboration entitled "Correlation of Atmospheric Ultrafine Particle Iron and Mitochondrial Toxicity" was given as a platform oral presentation by **Carin Thomas**. The authors are **Carin Thomas** (presenter), junior major **Stephanie Bryner**, **Eric Bullock**, **Anne Johansen**, graduate student **Justin Johnston**, and senior minor **Josie Wells**. The presentation included results from Anne's lab, Carin's lab, and Eric's results from PNNL.

Winter 2007

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Faculty Activities...

Eric Bullock gave a keynote address at the ACS sponsored 'Career Day' at the WA Dept. of Health Labs in Shoreline on February 7. His talk was entitled 'How to pick the right Graduate School for you' and there were about 30 undergraduates from around Puget Sound in attendance. He was also a member of a panel of 5 chemists from industry, government, and academia who talked about and fielded questions about careers in chemistry.

Anne Johansen was voted by Environmental Molecular Sciences Laboratory users at PNNL as one of 14 members of their newly established User Advisory Committee. Members are from institutions across the nation.

Martha Kurtz, Ian Quitadamo, Jim Johnson, and Steve Wagner (all CWU Biology faculty) submitted an NSF-CCLI grant proposal to change the way general education science classes are taught at CWU to include more inquiry and community-based research similar to what they've already implemented through Project CROAK! and Project CAT.

Anthony Diaz's contract with Coherent Inc. was renewed for another year. This is a contract to develop laser sensing materials—it includes money for supplies and money to pay an undergraduate to work on this project during the summer.

Martha J. Kurtz and Ian Quitadamo (CWU Biology) had a manuscript accepted for publication in the *Journal of Cell Biology Education*. The manuscript is titled "Learning to Improve: The Effects of Writing on Critical Thinking Performance in General Education Biology."

Martha Kurtz and Ian Quitadamo (CWU Biology) presented a paper at the Association for Science Teacher Education in Portland on January 12. The paper was titled "Writing to Improve: Critical Thinking Performance in General Education Biology."

Class of 2006...Where Are They Now?

Meagan Ansingh is working as a pharmaceutical sales representative for Eli Lilly in the Tri-Cities.

Amy Armintrout is participating in the Pharmaceutical Sciences Program at Oregon State University.

Catharine Collar, who graduated with her Masters' Degree, has gone on to a Ph.D. program in chemistry at Georgia State University.

Amy Diaz, who completed her Masters' Degree last summer, is working for Pace International in Wapato as a research chemist.

Tiana Estes is working as a chemist at AmTest Lab in Redmond.

Michelle Godwin is a Lab Technician at West Farm Foods in Seattle.

Lindsay Groce is the secretary for the Foreign Languages Department at CWU.

Yinshan Jia, who graduated with his Masters Degree last spring, is pursuing a Ph.D. in biochemistry at the University of Texas Health Sciences Center, San Antonio.

Justin Johnston has joined the graduate program at Central and is working with Carin Thomas.

Chung Wai Mak is studying acupuncture medicine at Bastyr University in Seattle.

Kaori Noridomi entered the Ph.D. program in chemistry this past fall at the University of Southern California.

Elizabeth Scott is pursuing her doctorate in chemistry at Washington State University.

Tony Smith has gone on to a doctoral program in physics at Washington State University.

Tracy Watrous-Kelley obtained her Masters' degree last spring and is now a Laboratory Supervisor at Pace International in Wapato.

Student Activities....

Undergraduate students **Badi Abdul-Wahid, Brittany Affholter, Tajinder Heer, Annika Nieber and David Nguyen** were each awarded a \$500 undergraduate research travel grants by the Office of Undergraduate Research to present their results at the ACS Spring National Meeting in Chicago in March .

Jim Rivard's Master's Research or Creative Activity grant was awarded \$700 from the Office of Graduate Studies for materials for his thesis project.

Michael Hase, junior major, has been accepted into the Science Honors Program for 2007-2008. He is conducting research with **Dion Rivera**.

Amanda Blackmore, junior major, and **Jesse Nye**, senior major, of the **Fabry Research Group** have been accepted into the Science Honors Program for 2007-2008.

Ryan Atkins, junior major, and **Katie Warren**, junior major, of the **Diaz Research Group** have been accepted into the Science Honors Program for 2007-2008.



The Chemistry Club participated in CWU's annual Halloween event "Boo Central" in October. Chemists performed an array of experiments for event attendees like ooblik (cornstarch and water), lighting off hydrogen balloons, dry ice experiments, acid/base reactions with color changing indicator, and making slime. Members present included Grant Barker, Josh Kirk, Katie Lantau, Tracy O'Connell, Sara Rosario, Amanda Husband, Megan Jones, Kris Olsen, David Nguyen and advisor Tim Sorey.



Student Successes...

Our students were very successful in obtaining undergraduate research grants from the Office of Graduate Studies, Research and Continuing Education this quarter. The following students were each awarded a \$500 grant for their proposals: **Badi Abdul-Wahid**, senior major in the Fabry lab; **Brittany Best**, junior major in the Johansen lab; **Tajinder Heer**, senior major in the Fabry lab; **Jesse Nye**, senior major in the Fabry lab; **Tracy O'Connell**, senior major in the Fabry lab; and **Scott Palmer**, junior major in the Fabry lab. These students will all present their research results at SOURCE in May. CONGRATULATIONS!

Next Edition...

The next edition of the newsletter will be published around April 30. Please send items to be included in the next edition (photos welcome!) to Lisa at stowel@cwu.edu