

R I S E

REACTIVE INTERMEDIATES STUDENT EXCHANGE

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Program for the 2007 Workshop The University of Western Ontario London, ON

RISE gratefully acknowledges the following for their generous financial support of the Workshop:

*The Faculty of Graduate Studies, Western
The Faculty of Science, Western
Office of the Vice-President, Research and International Relations, Western
Department of Chemistry, Western*

Wednesday, August 22

4:00- 6:00 p.m. Annual Business Meeting. RISE Supervisors only.
Grad Lounge Boardroom Middlesex College
(Entrance at back of building)

6:00- 8:00 p.m. ***Welcoming Reception and Mixer***
Grad Lounge, Middlesex College (entrance at back of building)

Thursday, August 23

8:30-8:50 ***Morning Reception and Coffee***
North Campus Building, Room 117

8:50-9:00 ***Welcoming Remarks:***

*Mark Workentin, Coordinator, RISE
David Wardlaw, Dean of Science*

2007 RISE Scholar Research Presentations

The name of the RISE Scholar and home institution are underlined

- 9:00-9:20** Lindsay Kelland (Acadia), Zhifeng Ding, Mark S. Workentin, Department of Chemistry, The University of Western Ontario

"Study of the Electrochemiluminescence Efficiency of Novel Silole Compounds in the Presence of a Co-reactant"
- 9:20-9:40** Fang (Nathan) Yuan (McMaster), Kathy McGilvray and J.C. Scaiano, Department of Chemistry, University of Ottawa

"Surface Derivatization of Photochemically Prepared Gold Nanoparticles"
- 9:40-10:00** Audrey Cunche(U de Montreal) and Brian Wagner, Department of Chemistry, University of Prince Edward Island

"Development of a Supramolecular Host-Enhanced Spectrofluorimetric Method for Curcumin"
- 10:00-10:20** Laura Callaghan (UPEI) and William Skene, Département de Chimie, Université de Montréal

"The Effect of Oxidation Defects on the Photophysics and Electrochemistry of Conjugated Fluoreno Azomethines"
- 10:20-10:40** **Coffee/Juice Break**
- 10:40-11:00** Jaclyn O'Brien (UPEI) and Ron Steer, Department of Chemistry, University of Saskatchewan

"Spectroscopy and Photophysics of Metalloporphyrins in Solid Matrices: A Study of Solute Aggregation"
- 11:00-11:20** Daniel Hickie (U of T) and Linda J. Johnston, SIMS, National Research Council of Canada

"Lipid Oxidation in Langmuir-Blodgett Monolayers"
- 11:20-11:40** Brian Li Tai Tsat (University of Ottawa) and Cornelia Bohne, Department of Chemistry, University of Victoria

"Effect of Cholate Dimer Addition on the Binding Dynamics of 1-ethylnaphthalene with Sodium Cholate Aggregates"
- 11:40-12:00** Alexandra Anderson (U of Saskatchewan) and Glen R. Loppnow
Department of Chemistry, University of Alberta

"DNA Damage and Protection: Effects of Tyrosine and Base Stacking"
- 12:00- 1:20** **Lunch Break: Sandwiches and refreshments will be served**
Individual and group photographs will also be taken.

- 1:20 -1:30** **Welcome Back Remarks**
Stephen Sims, Associate Dean Faculty of Graduate Studies
- 1:30-1:50** John Paul McCool (Western), Andrey Moiseev and W.J. Leigh,
Department of Chemistry, McMaster University

*"Organosilicon Reactive Intermediates from Photolysis of Acyclic
Trisilanes"*
- 1:50-2:10** Jane Ni (U of T) and Bruce Hill, Department of Biochemistry, Queen's
University

*"Redox Reactivity of Two Members of the Heme-copper Family of
Respiratory Oxidases"*
- 2:10-2:30** Kim Osten (U of Victoria) and Dwayne Miller, Department of Chemistry,
University of Toronto

"Nanofluidic Cell for Femtosecond Electron Diffraction"
- 2:30-2:50** **Coffee Break**
- 2:50-3:10** Leah Schmidt (McMaster), Melanie Burger, Ira Proboadh, David T. Cramb,
Department of Chemistry, University of Calgary

*"Advances in Cell Membrane Nanopatch Preparation for Receptor-Ligand
Assays"*
- 3:10-3:30** Erica Kiemele (University of Calgary) and Matthew Lukeman, Department
of Chemistry, Acadia University

*"Alternatives to the Common o-nitrobenzyl photocage:
Synthesis and Experimentation of 3-nitrophenyl acetate Photocages"*
- 3:30-3:50** Christopher Shon (Queen's), Vlad Martin-Diaconescu and Pierre
Kennepohl, Department of Chemistry, University of British Columbia

*"Stable Free Radicals in Malbec Red Wine Using Electron Paramagnetic
Resonance"*
- 3:50- 4:10** Michelle N. Chrétien, New Materials Design and Synthesis, Xerox
Research Center of Canada
"Xerox Research Centre of Canada: An overview".
- 4:10** **Closing Remarks - Announcements**
6:00 -9:00pm **Banquet- David's Bistro 432 Richmond Street**