

# **RISE**

**Reactive Intermediate Student Exchange**

# **Workshop**

**August 27-29, 2004**

**University of Saskatchewan  
Kenderdine Campus  
Emma Lake**

# Program

## **August 27:**

Afternoon: Arrival at Kenderdine Campus and check in.

17:30 – 18:45: Dinner (dining hall)

20:00: Reception

## **August 28:**

8:00: Breakfast (dining hall)

9:00 – 12:00: Morning session (Snelgrove room)

12:00 – 13:00: Lunch (dining hall)

13:30 – 16:30: Afternoon session (Snelgrove room)

16:45 RISE faculty business meeting (Snelgrove room)

19:00: Banquet (dining hall)

## **August 29:**

Departure: (See schedule on the last page of this booklet)

# Sponsors

President Peter McKinnon, University of Saskatchewan

College of Arts and Science, University of Saskatchewan

Department of Chemistry, University of Saskatchewan

Boehringer Ingelheim

3M Canada

## Morning Session (SnelgroveRoom)

Chair: Monica Barra

- 9:00                    Introductory Remarks  
**Ron Steer**
- 9:10 – 9:30            “Photoreactivity on Monolayer Protected Nanoparticles: Norrish Type I vs. Norrish-Yang Type II”  
**Erin Grundy**, Arnold J. Kell and Mark S. Workentin  
The University of Western Ontario
- 9:30 – 9:50            “The Direct Detection of Germylene and Digermene ( $\text{GeH}_2$  and  $\text{H}_2\text{Ge}=\text{GeH}_2$ ) in Solution”.  
**Kathryn M. Beleznyay**, Cameron R. Harrington and William J. Leigh  
McMaster University
- 9:50 – 10:10         “Resonance Raman Spectroscopy and Excited-state Dynamics of 5-Fluorouracil”  
**Ralph Yeung** and Glen Loppnow  
University of Alberta
- 10:10 – 10:30        Break
- 10:30 – 10:50        “The Photophysical Properties of Enhanced Green Fluorescent Proteins”  
**Eva Dias**, Edwin Yeow, Sophie Brunet, Hideo Iwai and Ronald Steer  
University of Saskatchewan
- 10:50 – 11:10        “Characterization of the  $\text{Cu}_A$ -cytochrome *c* Domain from *Bacillus Subtilis* Cytochrome *c* Oxidase”  
**Danielle Arnold**, Diann Andrews and Bruce C. Hill  
Queen’s University
- 11:10 – 11:30        “The Localization of Ganglioside GM1 in Phase Separated Model Membranes”  
**Mike LaLiberte**, Oana Coban, Anatoli Ianoul and Linda Johnston  
National Research Council of Canada, Ottawa
- 11:30 – 11:50        “Effect of the Structure of Bile Salts on the Binding Dynamics of Guests with Bile Salt Aggregates”  
**Edward Newell** and Cornelia Bohne  
University of Victoria

**End of Session**

## Afternoon Session (SnelgroveRoom)

Chair: Glen Loppnow

- 13:30 – 13:50      “Toward and Improved Photocage: Photodecarboxylation of Xanthone-acetic Acids”  
**Eric Gagnon**, M. Lukeman and J.C. Scaiano  
University of Ottawa
- 13:50 – 14:10      “Synthesis of the Elusive 5-Deazariboflavin: a Probe for the Study of Electron Transfer Mechanisms”  
**Brett VanVeller** and Monica Barra  
University of Waterloo
- 14:10 – 14:30      “Photoinduced Electron Transfer Reactions Between Chloranil and 4,4-Dimethoxydiphenylmethane in Zeolite NaY”  
**Julie Aaron**, Amy E. Keirstead and Frances L. Cozens  
Dalhousie University
- 14:30 – 14:50      Break
- 14:50 – 15:10      “Two Electron Transitions of Ni(II) Tetrahedral Complexes”  
**Angelica Cornacchio**, F. Baril-Robert, Christian Reber  
Université de Montréal
- 15:10 – 15:30      “Sample Preparation for Femtosecond Electron Diffraction: The Photodissociation of Molecular Iodine in a Solid –state Matrix”  
**Cindy Lee**, Jason R. Dwyer and R.J. Dwayne Miller  
University of Toronto
- 15:30 – 16:30      “Femtosecond Electron Diffraction: Making the Molecular Movie”  
**Dwayne Miller**, University of Toronto (**Invited Lecture**)
- 16:30                  Closing remarks
- End of Session**
- 16:45 – 18:00      RISE Faculty Business Meeting