



## Fall 2004 Student Science Research Presentations

Friday, Dec. 10, 3-5 PM  
in the Olin Teaching Theater

**2:30 – 3 PM** – Reception with cookies and drinks in the Olin Lobby

**3 PM** – Welcome and Introduction: Dr. David Pittman

3:05 – 3:20 PM

### **Purification, Crystallization and Enzymatic Studies of Glycolytic Enzyme Enolase from Baker's and Spent Yeast**

*Presented by:* Jason Holliday

*Research Mentor:* Dr. Ramin Radfar, Assistant Professor of Chemistry

3:25 – 3:40 PM

### **Synthesis of Artificial Opals and Photonic Band Gap Materials**

*Presented by:* Philip Ladd

*Research Mentor:* Dr. G. MacKay Salley, Assistant Professor of Physics

3:45 – 4:00 PM

### **Role of the Chorda Tympani Nerve in the Gustatory Detection of Free Fatty Acids**

*Presented by:* Leah Harris, Lauren Murchison, Sara Shields, and Jennifer Wallace

*Research Mentor:* Dr. David Pittman, Assistant Professor of Psychology

4:05 – 4:20 PM

### **Mini-size Me! Suppressing a Rat's Urge to Overeat via Injection of Glutamate Receptor Antagonists into the Lateral Hypothalamus**

*Presented by:* Jaya Abraham, Katie Laser, and Kelly Moxley

*Research Mentor:* Dr. Stacey Hettes, Assistant Professor of Biology

4:25 – 4:40 PM

### **The Effects of Video Manipulation on Pain Catastrophizing**

*Presented by:* Stefanie Carrigan, Josh Simmons, Laura Robinson, and Aja Russell

*Research Mentor:* Dr. John Lefebvre, Associate Professor of Psychology

4:45 – 5:00 PM

### **Photoisomerization of Unsaturated Hydrocarbons in a Rare Gas Matrix**

*Presented by:* Carrington Dunn

*Research Mentor:* Dr. Caleb Arrington, Assistant Professor of Chemistry

*Each presentation will be 10-12 minutes with 3-5 minutes for questions from the audience.  
All presentation times are estimates and subject to change.*