

Undergraduate  
Program in  
Biology &  
Medicine

Poster Session 2009

Friday, October 9th, 2009  
2:00 p.m. - 3:30 p.m.  
Computer Studies Building  
Room 209



AUTHORS OF RESEARCH



**RITESH AGNIHOTRI '10, BIO**

**Title:** "SAS1R, An Oocyte Specific Egg Membrane Metalloprotease Receptor for a Sperm Acrosomal Ligand: Candidate Drug Target for a NextGen Contraceptive?"  
**Mentor:** Dr. John C. Herr, Ph.D. University of Virginia School of Medicine, Department of Cell Biology



**LAURA NEMETH '10, BBC/GER**

**Title:** "Investigations of TRM1 in *Saccharomyces cerevisiae* tRNA Modification."  
**Mentor:** Dr. Eric Phizicky, Ph.D. University of Rochester, Department of Biochemistry and Biophysics



**JUSTIN BOUCHER '10, BMB**

**Title:** "The Effect of Enzymatically Active and Inactive PSA on Angiogenic Gene Expression"  
**Mentor:** Dr. Kailash Chadha, Ph.D. Roswell Park Cancer Institute, Department of Molecular and Cellular Biology



**AJIT RAO '10, BBC**

**Title:** "Effect of KCl on Dendritic Beading in Murine Neurons"  
**Mentor:** Dr. Harris Gelbard, Ph.D. University of Rochester, Department of Neurology



**GAO XIANG CHEN '11, BNS/PSY**

**Title:** "Network Rheobase: Quantifying the Onset of Epilepsy"  
**Mentor:** Dr. David J Pinto, Ph.D. University of Rochester, Department of Neurobiology & Anatomy



**SETH RUDMAN '10, BEB**

**Title:** "A Phylogenomic Approach to Evolutionary Questions of the *Anolis sagrei* Group"  
**Mentor:** Dr. Richard Glor, Ph.D. University of Rochester, Department of Biology



**BRENDAN GUERCIO '10, BNS**

**Title:** "Oligodendrocyte Lineage Sensitivity to Amyloid-Beta Induced Toxicity During Early Alzheimer's Disease"  
**Mentor:** Dr. William Bowers, Ph.D. University of Rochester, Department of Neurology / Center for Neural Development & Disease



**BENJAMIN SABARI '10, BMG**

**Title:** "Human Aging and the Efficiency of DNA Double Strand Break Repair"  
**Mentor:** Dr. Vera Gorbunova, Ph.D. University of Rochester, Department of Biology



**DUK SOO KIM '10, BBC**

**Title:** "Characterization of N<sup>6</sup>-acetyltransferases in Eukaryotes"  
**Mentor:** Dr. Bogdan Polevoda, Ph.D. University of Rochester, Department of Biochemistry and Biophysics



**MICHELLE WINSTON '11, BNS**

**Title:** "An Axon's Quest: How Motor Neurons Navigate In Response To Extracellular Cues In *C. elegans*"  
**Mentor:** Dr. Adam Norris, Ph.D. and Dr. Erik Lundquist, Ph.D. University of Kansas, Department of Molecular Biosciences



**DIAMOND LING '10, BNS**

**Title:** "Is Vocal Deterioration After Deafening Context Dependent?"  
**Mentor:** Dr. Kathy Wrege-Nordeen, Ph.D. University of Rochester, Department of Brain and Cognitive Sciences



**MARTINA ZINK '10, BCD**

**Title:** "The Role of Siglec-6 Expression in Gestational Trophoblastic Disease Invasiveness"  
**Mentor:** Dr. Virginia Winn, M.D. Ph.D. University of Colorado, Department of Obstetrics Gynecology