



Summer Program for Undergraduate Research
SPUR 2006

Summer Undergraduate Research Symposium
Session I --- Friday August 4, 2006 350 Willamette Hall

1:15 pm **Dr. Peter O'Day**, University of Oregon SPUR Program Director
Introduction

1:20 pm **Mariana Mercader**, University of Puerto Rico Mayaguez Campus
"Gene expression in C. magister when exposed to different salinities"
Eric Johnson lab; mentor: Michelle Phillips

1:35 pm **Erin Gray**, University of Arkansas
"DNA Damage and Protein Function in Fanconi Anemia: With Specific Attention to FancM"
John Postlethwait Lab; mentors: Tom Titus, PhD, Catherine Wilson

1:50 pm **Kia Montgomery**, Grambling State University
"Identifying Mutations in Zebrafish Fanconi Genes Using Tilling"
John Postlethwait Lab; mentors: Tom Titus, PhD, Catherine Wilson

2:05 pm **Gabe Finch**, University of Oregon
"Making a face: Hyoid Arch Identity in Zebrafish"
Chuck Kimmel Lab; mentor: Gage Crump, PhD



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Session II --- Friday August 11, 2006 350 Willamette Hall

1:15 pm Dr. Karen U. Sprague, University of Oregon
Vice Provost of Undergraduate Studies
Professor of Biology
Institute of Molecular Biology

1:25 pm Tiffany Taylor, Howard University
"Understanding cell-fate through the "eyes" of Drosophila"
Tory Herman lab; Mentor: Adam Miller

1:40 pm Rob Johnson, Minnesota State University, Mankato
"Elucidation of filamentous growth pathway specificity factors in Saccharomyces cerevisiae"
George Sprague lab, mentors: Claire Romelfanger, Charles Kubicek

1:55 pm Brian Cappy, University of Oregon
"C. elegans mating systems: Male frequencies in stress-induced populations"
Patrick Phillips **lab**; mentor: Patrick Phillips, PhD

2:00 pm LeAnne Lovato, University of New Mexico
and
Jennifer Comstock, University of Oregon
"C. remanei a new model organism for evolution"
Patrick Phillips **lab**; mentor: Jennifer Anderson, PhD

2:30 pm Caroline Small, Pomona College
"MeCP2 RNA localization in Danio rerio using in situ hybridization"
Phillip Washbourne lab; mentor: Thomas Pietri, PhD



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Session III --- Friday August 18, 2006 350 Willamette Hall

9:10 am Peter O'Day, University of Oregon, SPUR Director

Introduction

9:15 am Michael Kyweriga, University of California, Santa Cruz

"The Induced Roelofs Effect: The Cyclopean Eye and Changes in Eye Dominance"

Paul Dassonville lab, mentor: Elizabeth Walter

9:30 am Camas ChapmanGraves, University of Oregon

"The Development of Eye-Hand Coordination in Children"

Paul vanDonkelaar lab; mentor: Paul vanDonkelaar, PhD

9:45 am Rey Treviño, The University of Texas at San Antonio

"Forgetting in the mammalian brain in search of my keys"

Cliff Kentros lab; mentor: Ean Huddleston

10:00 am Meg Christ, Oregon State University

"The Interneurons Involved in Memory"

Cliff Kentros lab; mentor: Leslie Schwarcz, PhD

BREAK

10:15 am Breanna Dumke, Drake University

"Understanding the mechanisms of Post-Exercise Hypotension in Humans:

Is histamine the MVP of PEH vasodilators?"

Mentor: John Halliwill

10:30 am Helen Tauc, University of Oregon

"Intron recognition in pre-mRNA splicing"

Mentors: Andy Berglund, Kristy Henscheid

10:45 am Catherine Matthys, University of Oregon

"Inhibitors of the protein/RNA interaction in Myotonic Dystrophy"

Mentors: Andy Berglund, Danielle Cass, and Bryan Warf

11:00 am Omer Ali Bayraktar, Middle East Technical University

"Plant specific RNA-binding proteins: What do they do?"

Mentors: Alice Barkan, Kenny Watkins

Lunch Break 11:15am to 1:15pm



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continued

1:15 pm **Krysta Hrdlichka**, Winona State University
"I have worms! or645, Characterizing C. elegans Meiosis Mutant"
Bruce Bowerman lab; mentor: Meredith Price

1:30 pm **David Courtney**, Earlham College
"What allows Baker's yeast to grow on toxic zinc when V-ATPase is compromised?"
Tom Stevens lab; mentor: Glenn Cronan

1:45 pm **Ebony Nelson**, Alabama State University
"Does CagA alter cell migration"?
Karen Guillemin lab; mentor: Crystal Botham

Break

2:15 pm **Jon Frohnmayer**, Stanford University
"Comets and Controls: A Better Zebrafish Model of Fanconi Anemia."
John Postlethwait lab; mentors: Tom Titus, PhD, Catherine Wilson

2:30 pm **Sarah Namugenyi Bwabye**, University of Oregon
"Discovery of genes that regulate ear development"
Monte Westerfield lab; mentor: Dong Liu, PhD

2:45 pm **Anelise Montan**, Loyola Marymount University
"Understanding ERP Methods and How They Are Applied"
Helen Neville lab; mentor: Helen Neville, PhD

3:00 pm **Peter O'Day**, University of Oregon, SPUR Director
Closing comments