



L
OKS

H BACK
WIN PRIZES
BOOK



LD A FOREST

ONER
TBOOKS

SOUTH JENKINS

UYBACK LOCATION

25 WEST BOYD STREET
& 1135 ELM

Congratulations to this Spring's Undergraduate Research Opportunity Program Winners!

This competitive program, held in the Fall and Spring of each year, is open to all University of Oklahoma undergraduates. Undergraduate Research Opportunities Program (UROP) offers financial assistance to talented undergraduates for research, scholarly, or creative projects under the mentorship of a faculty member.

With the support of the UROP, students and faculty across the University discover the benefits of these hands-on research opportunities in laboratories, studios, libraries, and field sites. UROP recipients present the results of their research or accounts of their work in progress at the Undergraduate Research Day Program. Such undergraduate research opportunities are one of the most effective ways for students to find a direction they wish to pursue in education and a career.

Applications are available online at
<http://www.ou.edu/honors/Undergraduate-Research-Opportunities-Program.html>
or at the Honors College office.

Spring 2007 UROP Individual Winners

- | | | | |
|--|--|---|---|
| <p>Juan Diego Alonso, Norman, OK
Chemical Engineering
"Curcumin Inhibits In Vitro and In Vivo Pancreatic Cancer Cell Growth and Tumor Xenografts"
with Dr. Shrikant Anant</p> <p>Eman Izzat Beck, Panama City, FL
Zoology
"Do Scorpions Use Self-Generated Pressure Waves in the Detection and Orientation to Objects"
with Dr. Douglas Gaffin</p> <p>Tyler Bunting, Highland Village, TX
Mechanical Engineering
"Independent Mobility for Damian"
with Dr. Kuang-Hua Chang</p> <p>Jason Busniewski, Oconomowoc, WI
Musical Arts
"Heartland Seminar on Arabic Music"
with Dr. Zoe Sherinian</p> <p>David Chambers, Chickasha, OK
Mechanical Engineering
"Deposition and Dispersion of Nanoparticles in Polymeric Composites"
with Dr. M. C. Altan</p> <p>Brian Chenoweth, Tulsa, OK
Zoology/Biomedical Science
"Early Experience and Brain Development"
with Dr. Don Wilson</p> <p>Christopher Cook, Yukon, OK
Zoology/Biomedical Sciences
"Effect of Antifreeze on Maggots"
with Dr. Heather Ketchum</p> | <p>Ellen East, St. Louis, MO
Zoology
"Isolation of Ephrins/Eph Receptors Involved in Lamprey Trunk Neural Crest Development"
with Dr. David McCauley</p> <p>Katie Gunderson, Burley, ID
Geology & Chemistry
"Al-Si Ordering in K-Feldspar Synthesized From Hydrous Borosilicate Melt"
with Dr. David London</p> <p>Scott Herrmann, Houston, TX
Mechanical Engineering
"Fabrication of Functionally Graded Nanocomposite Laminates"
with Dr. M. C. Altan</p> <p>Rachel Annette Kempf, Ft. Hood, TX
Biomedical Zoology
"Neuronal Regulation of Metabolism in <i>Drosophila</i>"
with Dr. Randall Hewes</p> <p>Sarah Kern, Slatington, PA
Zoology
"Feeding Competition Between Surface and Cave Mollies"
with Dr. Ingo Schlupp</p> <p>Chad Knight, Oklahoma City, OK
Zoology/Biomedical Science
"The Seasonal Phenology of Forensically Important Flies"
with Dr. Heather Ketchum</p> <p>Flora Ling, Glenpool, OK
Biochemistry
"Regulation of the Rhythmic Expression of cry1b in Zebrafish"
with Dr. Han Wang</p> | <p>Matthew Long, Edmond, OK
Civil Engineering
"Pullout Resistance of Reinforcement in MSE Walls with Nearly Saturated Backfills"
with Dr. Kianoosh Hatami</p> <p>Christopher D. Manack, Plano, TX
Mechanical Engineering
"A Critical Design of Heat Exchanger for Use in the Thermal Shock Testing of Electronics"
with Dr. Feng Lai</p> <p>Kathleen McAdams, Ft. Worth, TX
Zoology
"Identification of Novel Genes Controlling Nerve Cell Development"
with Dr. Randall Hewes</p> <p>Evelyn Meyers, Oklahoma City, OK
Zoology/Biomedical Science
"Spermatogenesis in Male Phenotypes in Sunfish"
with Dr. Rosemary Knapp</p> <p>Jacquelyn Moaning, McLoud, OK
Mechanical Engineering
"Experimental Evaluation of Micro-Nozzle Performance on Electronics Cooling"
with Dr. Feng Lai</p> <p>Barret Phillips, Arlington, TX
Zoology
"Genomic Organization of <i>Uca pugilator</i> EcR Gene"
with Dr. David Durica</p> <p>Nataliya Popokina, Wilburton, OK
Zoology/Biomedical, Russian
"Scorpion Behavioral Response to UV and Green Light"
with Dr. Douglas Gaffin</p> | <p>Erin Rapp, Tulsa, OK
Biochemistry
"A Yeast Model for Type II Diabetes: The Effects of Natural Compounds on IAPP Toxicity"
with Dr. Robert Cichewicz</p> <p>Sterling Robinson, Tulsa, OK
Mechanical Engineering
"Automated Transfer Device for Thermal Shock Analysis"
with Dr. Feng Lai</p> <p>Stacey Steinmetz, Tulsa, OK
Zoology/Biomedical Sciences
"Relationship Between Gulf Coast Ticks, <i>Amblyomma maculatum</i> and Cattle Egrets, <i>Bubulcus ibis</i>, in Central Oklahoma"
with Dr. Heather Ketchum</p> <p>Cody Thomas, Owasso, OK
Biochemistry
"Possible New Sterically Driven Model for Formation of Helical Chirality in Solid-State"
with Dr. V. Soloshonok</p> <p>Jennifer Wells, Yukon, OK
Zoology/Biomedical Sciences
"Enamel Microstructure of Multituberculate Mammals From the Early-mid Cretaceous of North America"
with Dr. Cindy Gordon</p> <p>Nathaniel Weygant, Mustang, OK
Botany
"Nitrogen Fixation by <i>Desmanthus illinoensis</i>"
with Dr. Linda Wallace</p> <p>Kevin Winters, Jones, OK
Biochemistry
"Effects of CLOCK-BMAL and PER Proteins on the Expression of cry1a in Zebrafish"
with Dr. Han Wang</p> |
|--|--|---|---|

Spring 2007 UROP Group Winners

- | | | | |
|--|--|--|--|
| <p>Bailey Cato, Matt Hale, Devon Lasiter, Craig Lavoie, Sarah M. Lester, and Eleanore Taft
Political Science, Letters, Religious Studies, Letters, History, Dance
"NCLB Awareness"
with Dr. Susan Laird</p> | <p>Rylon Hofacer and Ashiq Zaman
Zoology
"Neural Processing of Complex Stimuli"
with Dr. Don Wilson</p> | <p>Redmond Kelley and John Meier
Electrical & Computer Engineering
"Radio Frequency- Sensing Atmospheric Module for Platform Leveraged Economy"
with Dr. Mark Yeary</p> | <p>Stephanie Easter and Andriynn Lee
Biomedical Sciences
"Effects of Methyl Gallate on Polyglutamine Toxicity in a <i>C. elegans</i> Model of Huntington's"
with Dr. Robert Cichewicz</p> |
|--|--|--|--|

Honors College ■ David L. Boren Hall, 1300 Asp Avenue, Norman, OK
73019-6061 ■ (405) 325-5291
www.ou.edu/honors