

# RC Research

Student/Faculty Research

September 2011

Editor: Dr. Julie Lyon

## Attend the Family Weekend Student/Faculty Showcase of Research & Creativity

6:00 – 7:30 p.m. – Colket Center  
Friday, September 30, 2011

Join us after Friday on the Quad for some fantastic presentations of student and faculty research projects. Oral presentations will take place on the 2nd floor of the Colket Center in Kime, Garrett, and the President's Dining Room from 6-7:30. Over 40 poster presentations will be showcased in the Ballroom from 6-7:30—come and go as you please. Bring your family and friends! Free and open to the public.



*Amanda Newman presenting on campus in Spring 2011.  
Amanda's faculty mentor is Dr. Denise Adkins.*



*Will Bader presenting on campus in Spring 2011. Will's  
faculty mentor is Dr. DB Poli in Biology.*

## Work-Study Research Assis- tantships Available

Students eligible for work-study funding are invited to apply for research assistantships with faculty from across campus. See [http://roanoke.edu/A-Z\\_Index/Career\\_Services/Student\\_Campus\\_Jobs.htm](http://roanoke.edu/A-Z_Index/Career_Services/Student_Campus_Jobs.htm)

## Need Money to Present at a Conference? Apply now.

Students are eligible for funding to present their research or creativity at professional conferences. To apply, students should submit a request (including budget numbers) via: <http://tiny.cc/qv256> Funding is capped at \$500 per student per year. Students planning to travel before January 31st should apply by **October 1st** for priority con-

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Ashley Honig receives 1st prize for Creative Work in the Gender & Women's Studies Paper Contest in Spring 2011

sideration. Students planning to travel before June 30th should apply by **February 1st** for priority consideration.

## Summer Off-Campus Research Presentations

- **Sarah Witt** presented at MathFest 2011 in Lexington, Kentucky in August 2011 on "Using Graph Theory to Analyze Social Networks." This was an independent study project under the direction of **Dr. Karin Saoub** from the Math, Computer Science, and Physics Department.
- **Brandi Neifert** presented at the Joint Meeting of Ichthyologists and Herpetologists in Minneapolis, Minnesota in July 2011 on "A comparison of tooth breakage rates in *Miocene carcharhiniformsharks* from the Carmel Church Quarry, Caroline County, Virginia." This was an independent study project under the direction of Dr. DorothyBelle Poli from the Biology Department.
- **Maggie Anderson** presented at the CUR Conference for Undergraduate Research Program Directors in St. Louis, Missouri in June 2011 on "Summer research programs: Towards deeper reflection." Maggie worked on this project through URAP under the direction of **Dr. Kimberly Filer** from Office of Institutional Effectiveness and Assessment and **Dr. Julie Lyon** from the Business Administration Department.
- **Ashley Briggs** presented at the Mid-Atlantic Society for Developmental Biology Regional Meeting in Philadelphia, Pennsylvania in June, 2011 on "The effect of 4-hydroxyandrostenedione, an aromatase inhibitor, on heart size in zebrafish (*Danio rerio*)." This was an independent study project under the direction of **Dr. Chris Lassiter** from the Biology Department.
- **Sarah Cohen** presented at the Mid-Atlantic Society for Developmental Biology Regional Meeting in Philadelphia, Pennsylvania in June, 2011 on "17- $\beta$  Estradiol Causes Defects in the Craniofacial Cartilage and Nerves of *Danio rerio*." This was an honors project under the direction of **Dr. Chris Lassiter** from the Biology Department.
- **Kenneth Lampert** presented at the Mid-Atlantic Society for Developmental Biology Regional Meeting in Philadelphia, Pennsylvania on Friday, June 3, 2011 on "An androgen receptor:green fluorescent protein Construct for Producing Transgenic Zebrafish (*Danio rerio*)." This was an independent study project under the direction of **Dr. Chris Lassiter** from the Biology Department.
- **Rachel Naylor** presented at 2011 Mid-Atlantic Society for Developmental Biology Regional Meeting in Philadelphia, Pennsylvania in June, 2011 on "Effects of an Aromatase Inhibitor on heart size in embryonic zebrafish (*Danio rerio*) using cardiac myosin light chain -2 (cmlc2)." This was an independent study project under the direction of **Dr. Chris Lassiter** from the Biology Department.
- **Julia Boudrye** presented at the Association for Psychological Science in Washington, D.C in May, 2011 on "Reserving Quiet Time Predicts Face-to-Face Cell Phone Manners with Friends." Julia is a URAP scholar under the direction of **Dr. Denise Adkins** from the Psychology Department.
- **Matthew Tripp** presented at the Association for Psychological Science in Washington, DC in May, 2011 on "Predicting Interaction with Facebook Friends: Examining Personality, Gender, and Friendship Strength." This was the continuation of a Summer Scholars project under the direction of **Dr. Denise Adkins** from the Psychology Department.
- **Amy Roberts** presented at the Association for Psychological Science in Washington, DC in May, 2011 on "Using Objective Methodology to Examine How Teacher Immediacy Influences Student Participation." This was an honors project under the direction of **Dr. Denise Adkins** from the Psychology Department.
- **Maggie Anderson** and **Jennie Blaney** presented at the Association for Psychological Science in Washington, DC in May, 2011 on "Teaching research skills outside the classroom: Institutional assessment by undergraduate researchers". Maggie and Jennie were research assistants under the direction of **Dr. Kimberly Filer** from Office of Institutional Effectiveness and Assessment and **Dr. Julie Lyon** from the Business Administration Department.