

# 2nd Summer Research Celebration



**September 17, 2014**

**Bonnie Auditorium**

**12:00-5:00**



## Acknowledgments

Faculty Mentors: Justin Anderson, Brooke Blanks, Carlee Bradbury, Matt Close, Jason Davis, Wendy Eckenrod-Green, Tim Fuhrer, Georgia Hammond, Dayna Hayes, Abhay Kaushik, Beth McClellan, John McGee, Chris Monceaux, Sara O'Brien, Allison Pack, and Stockton Maxwell

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Work Study Students

Sally Cox, Event Planning Manager

Nancy Houff, Honors Academy Administrative Assistant

Members of the OURS Advisory Committee: Justin Anderson, Roann Barris, Debbie Bays, Candice Benjes-Small, Corey Cassidy, Tom Cruise, Matt Dunleavy, Abhay Kaushik, Joe King, and Erin Webster Garrett



## **Welcome to the 2nd Annual Summer Research Celebration!**

This past summer, eighteen amazing student-faculty collaborative projects were funded through the Summer Undergraduate Research Fellowships (SURF) program. Today they will get the opportunity to tell their stories and accomplishments. We are grateful for your participation in today's events and hope that they inspire you to achieve similar results, adding to the knowledge and work in your field of study!

### **SURF Program**

The SURF program aims to foster a community of undergraduate research and engaged scholarship during the summer months at Radford University. This program funds a variety of projects where students engage in an original, intellectual, or creative contribution to a discipline. To find about applying to be part of next summer's program contact [ours@radford.edu](mailto:ours@radford.edu) or visit our website at <http://www.radford.edu/content/ours/home.html>.

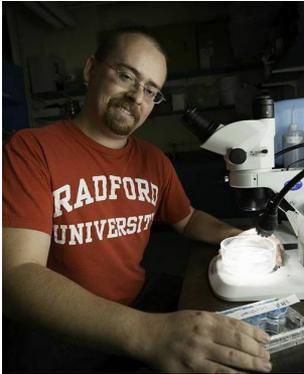
### **Office of Undergraduate Research and Scholarship**

The Radford University Office of Undergraduate Research and Scholarship (OURS) provides support to campus projects across all disciplines. OURS can help support undergraduate research, scholarship, and creative studies through fiscal support of student travel to present at conferences, printing of professional posters, mentoring students in areas such as best practices in oral and poster presentations, mentoring students with preparing external scholarship and graduate school applications, and the Summer Undergraduate Research Fellowship program. OURS also mentors students with presentations and preparing external applications.

Today represents one of the more public opportunities for OURS to interact with the Radford University community, and it is an honor to get to work with the students and faculty taking on the process of "going where no one has gone before." OURS would like to thank everyone involved with today's events and emphatically say that it is a privilege to get to work with and support you all!

## Keynote Speakers

### **2:15** Initial Description and Disease Pathology of an Undescribed Parasitic Protist of California Shore Crabs



***Dan Metz***

Dan Metz was a recipient of a 2013 RU OURS SURF Grant, and was awarded the Ecological Society of America's SEEDS Research Fellowship for 2014-2015. His field of interest is the biochemistry of parasites, and he has conducted research projects involving parasite genetics, cultivation of parasites without the use of hosts, and the construction of probabilistic models describing how opportunistic pathogens move through an environment. He was most recently hosted by the University of California at Santa Barbara, where he spent the summer studying a novel parasitic disease of shore crabs.

### **4:45** Juneau Icefield Research Program



***Melissa Brett***

Melissa Brett is a senior majoring in Physics and Geology with a variety of research experiences, from field mapping part of the Mount Rogers Formation in Southwest Virginia, to sea ice research in Barrow, Alaska, to glacial physics research on the Juneau Icefield. She has received funding from the SURF grant, the Geological Society of America EdMap award, the Loves Scholarship award, and the Maynard Miller Foundation award.

## Schedule of Events

12:00 - 12:15 pm	Mandeep Kaur and Caitlin Linville	<i>The Effects of Vespa Amino Acid Mixture on Musca domestica</i>
12:15 - 12:30 pm	Sarah House	<i>Creating an Online Linear Algebra Course Using Mathematica</i>
12:30 - 12:45 pm	Kathryn Self	<i>Exploring Effects of Multiple EDC Exposure</i>
12:45 - 1:00 pm	Angel Lambert	<i>A Study of the C84 Isomeric Set</i>
2:30 - 2:45 pm	Debra Lustig	<i>Contradictions and Divergence in the Visual Constructions of Charlemagne</i>
2:45 - 3:00	April Tingle	<i>Are the Antiviral Properties of Pseudomonas Pigments Due to ROS Generation?</i>
3:00 - 3:15 pm	Christabelle D'Silva	<i>Early Field Experience and Selu</i>
3:15 - 3:30 pm	Emily Guise	<i>Effects of Ecologically Relevant Exposure to Trenbolone</i>
3:30 - 3:45 pm	Emily Cutshall	<i>Measuring Inhibitory Concentrations of Arsenic for Environmental Bacteria</i>
3:45 - 4:00 pm	Raymond Boisvert	<i>Net Alpha of Large Cap Funds with Higher Expenses Versus Large Cap Funds with Lower Expenses 2000 - 2012</i>
4:00 - 4:15 pm	Nima Hami	<i>The Synthesis and Potential Use of Phenazine Derivatives in the Inhibition of the La Crosse Virus</i>
4:15 - 4:30 pm	Josh Oliver	<i>A Tree-Ring Reconstruction of New River Streamflow</i>
4:30 - 4:45 pm	Pat Trout	<i>Assessing Models of Volcanism and Rifting: New Evidence from the Mount Rogers Formation, SW VA</i>

## Posters & Demonstration

1:00 - 2:00 pm	Keela Dooley	<i>The Plasticity of Sterling Silver: Achieved through Deformation</i>
	Anthony Friedman	<i>Investigating Middle and High School Pre-Service and In-Service Teachers Perceptions and Beliefs About Collaboration in Inclusive Classrooms</i>
	Matti Hamed	<i>Selu Conservancy's Herpetofaunal Diversity: Establishing a Long Term Monitoring Program</i>
	Analise Roccaforte	<i>The Effects of Dual Alcohol and Nicotine Exposure on Spatial Memory</i>

We would love to hear what projects are underway on campus, what challenges exist for expanding current work with undergraduates, and how OURS can support your efforts! OURS can be contacted at [ours@radford.edu](mailto:ours@radford.edu) or 540-831-7203 and is located in 706 Fairfax, Suite B. To learn more follow us on Facebook ([www.facebook.com/RUOURS](http://www.facebook.com/RUOURS)) or visit our website ([www.radford.edu/ours](http://www.radford.edu/ours)).

Sincerely,

Joe Wirgau

Interim Director of the Office of Undergraduate Research  
and Scholarship



See You  
Next  
Year!