



August 23, 2012

The [Office for Undergraduate Research](#) newsletter is published two times per month to share news about undergraduate research at UNC, relevant events, accomplishments of our students and faculty, and more. For additional information, please visit our website at www.unc.edu/depts/our or email us at our@unc.edu.

Announcements and OUR News

OUR Blog:

- [Summer Research Spotlight on Serena Hackerott](#)
- [UNC Faculty Spotlight: Don Reid](#)
- [Summer Research Spotlight on Kandace Thomas](#)

GRC Blog:

- [Researching American Cinema/American Culture](#)

OUR People:

- [Meet three OUR Ambassadors](#)
- Welcome to two new [Liaisons](#) for Undergraduate Research: [Dr. Meredith Petschauer](#) in the [Department of Exercise and Sports Science](#), and Dr. Hilary Edwards Lithgow in the [Department of English and Comparative Literature](#)

OUR Events:

- We are excited to announce our [inaugural workshop series](#) and look forward to seeing some of you at these events. Thanks to our partners and collaborators.

Other Events and News:

- We're disappointed that weather conditions required the cancellation of Fall Fest. But, stop by the office to pick up your OUR laptop sticker!
- [Information Session: Getting Involved in Undergraduate Research in Biology](#)
- Undergraduates who are considering graduate school can take advantage of [Pre-Graduate Education Advising](#).
- Undergraduates can conduct policy research through the [UNC Roosevelt Institute](#), an undergraduate think tank.
- The [Journal of Postdoctoral Research](#) and the [Journal of Postdoctoral Affairs](#) are currently inviting potential contributors to submit their written articles for the upcoming issues of the journal.

Announcements and OUR News:

[Summer Research Spotlight on Serena Hackerott:](#)

Serena Hackerott shares her experiences hunting, processing, eating and researching lionfish.

[UNC Faculty Spotlight: Don Reid:](#)

Dr. Don Reid, Professor of History, Alan Feduccia Distinguished Term Professor in Research and Undergraduate Education discusses research and why it is so important

[Summer Research Spotlight on Kandace Thomas:](#)

Kandace discusses her honors thesis research on positive emotions and Panhellenic women.

[Researching American Cinema/American Culture](#)

Martin Johnson shares his experience teaching film history in a research-exposure, GRC-supported course. Read the descriptions of some of his student projects!

[Meet three OUR Ambassadors:](#)

Tiffany King, Applied Mathematics major:

I research the fluid dynamics of tubular hearts similar to hearts found in embryos. I work with a species called sea squirts which has similar heart structures.



Miranda McNear, senior Exercise and Sports Science major, Chemistry minor:

During the summer of 2010 I was able to begin work on undergraduate research thanks to the SMART Program. Over the course of the summer I developed cell culturing skills and microscopy techniques. With the help of these new practices I was able to complete many experiments on the interactions of 1 μ m MyOne beads inside a single HeLa cell, cervical cancer cell. Along with my graduate mentor, Kris Ford, I eventually observed and started to quantify the release of a single strand of DNA called Antisense Oligonucleotide. We determined a process to enhance the release of DNA into a cell through the assistance of magnets. I was also introduced to an inverted microscope that

was capable of epifluorescence imaging. Finally, a three-dimensional force microscope was used to magnetically pull on beads inside a cell. The overall objective of our research is to increase the amount of dosage of a drug into cells.

Marquis Peacock, junior Religious Studies major, Chemistry minor:

My research focuses on the duality between how religion has been used as a tool for the American government and society to colonize African-Americans, historically, and how religion has been used as a tool for African-Americans to achieve social liberation.

The OUR Fall 2012 inaugural workshop series:

Taking the First Steps

Wednesday, September 12, 2012

5:00-6:30 p.m.

Greenlaw 223 (Donovan Lounge)



before developing ways to address these issues through policy and action. To learn more about the UNC Roosevelt Institute, please come to any of the following events:

- Barbecue: Saturday, August 25, 5-8 PM outside Ruffin Dormitory
- Interest Meeting 1 - Wednesday, August 29 from 8:00-9:30 PM in Union Room 3203
- Interest Meeting 2 - Thursday, August 30 from 8:00-9:30 PM in Union Room 3203

You can read an example of a 10 Ideas Journals at:

<http://www.scribd.com/doc/61681228/10-Ideas-for-Healthcare-2011>

If you are unable to attend these events, please feel free to email either of the Chapter Co-Presidents Francis Wong (fwong@live.unc.edu) or Kate Matthews (katem24@live.unc.edu) for more information. We hope to see many of you soon!

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The Office for Undergraduate Research

www.unc.edu/depts/our

Where will your curiosity lead you?