

## Biology Department Research Symposium

May 3, 2017

The annual Biology Department Research Symposium is an event that brings the entire department together for a day of learning, sharing, and discussion. The Symposium, hosted by the Biology Graduate Student Association (BGSA), features presentations from 2 faculty, 2 students, and one post-doc, voted on by the department. This year's speakers are Dr. Maria Servedio, Dr. Amy Gladfelter, Kriti Sharma, Rebecca Adikes, and Dr. Robbie Burger. There will also be a poster session featuring the work of 3rd and 5th year students. We are also offering a variety of faculty and student-led workshops during the morning session. More information about the sessions follows below.

*Lunch and coffee provided, sponsored by the Biology department and Graduate and Professional Student Federation (GPSF)*

### **3D imaging: creating digital models of real-world objects** with David Romito

Learn how to use 3D scanners and photogrammetry software to create 3D models of objects and landscapes for research and instruction.

### **Learning the butterflies of Orange County** with Elizabeth Moore, Laura Hamon, and Kati Moore

Learn tips of the trade for spotting and identifying your local butterflies.

**Note: Practice your skills learned in this session at Mason Farm, Saturday May 6th**

*The BGSA is hosting a Butterfly walk Saturday, May 6th @ Mason Farm, 9:30AM.*

*Everyone welcome. You're still welcome to join for the Butterfly walk, even if you can't make this session! More details to follow (check your inbox!) or email [anais@live.unc.edu](mailto:anais@live.unc.edu) for more information.*

### **Efficient and equitable grading of open-ended exams using Gradescope (it's free!)** with Cheryl Moy

Get an overview of a free online program for grading open-ended exams. Using this program will not only decrease grading time and increase consistency, but it will also provide you with powerful statistical data previously only gained from multiple choice type questions!

Bring your laptop.

**Before class** - sign up for an account from [gradescope.com](http://gradescope.com); when signing-up, use invite code "GoHeels"

### **Wonderful world of R Markdown** with Kate Augustine

If you haven't heard of R Markdown or if you haven't taken the time to learn how to use it yet, this workshop is for you! Come learn the simple markup syntax to create reproducible, dynamic reports with R Studio and make code sharing and collaborating so much simpler. No copying or pasting required!

Bring your laptop with R and R Studio installed.

**Before class** - download tip sheets (will be sent ahead of time)

### **Intro to Shiny** with Chris Payne

Think that Shiny will take too long to learn? Let me show you otherwise! Learn to use RStudio's interactive app creation package in under one hour! Interact with and share your data like never before!

Bring your laptop your laptop with R and R Studio installed.

### **Integrate Making into your course or the description of your research** with Kelly Hogan

Integrate makerspaces into a biology course. Learn how to bring "making" into a course and imagine a fun hands-on component with low cost materials like playdoh etc.

Bring your smartphone to the session.

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<b>Time</b>	<b>Event</b>	<b>Location</b>
8:30 – 9:30 AM	<b>GPSF-sponsored Coffee and name tag pick-up</b> Help us reduce waste and bring your own mug	GSB Lobby
9- 9:30 AM	<b>3D imaging: creating digital models of real-world objects</b> <i>with David Romito</i>	GS 1378
9-9:45 AM	<b>Learning the butterflies of Orange County</b> <i>with Elizabeth Moore, Laura Hamon, and Kati Moore</i>	GS 1374
10-10:30 AM	<b>Efficient and equitable grading of open-ended exams using Gradescope (it's free!)</b> <i>with Cheryl Moy</i>	GS 1374
10- 10:30 AM	<b>Wonderful world of R Markdown</b> <i>with Kate Augustine</i>	GS 1378
10:45 – 11:45 AM	<b>Intro to Shiny</b> <i>with Chris Payne</i>	GS 1374
11-11:45 AM	<b>Integrate Making into your course or the description of your research</b> <i>with Kelly Hogan</i>	GS 1378
12-1 PM	<b>Lunch and Poster Session (3<sup>rd</sup> and 5<sup>th</sup> year students)</b> Lunch catered by Panera and sponsored by the Biology Department	GSB Lobby
1-1:30 PM	<b>MCDB Student Talk:</b> Rebecca Adikes	GS200
1:30-2 PM	<b>EEOB Student Talk:</b> Kriti Sharma	GS200
2-2:30 PM	<b>Postdoc Talk:</b> Robbie Burger	GS200
2:30-2:50 PM	<b>GPSF- sponsored Coffee Break</b> Help us reduce waste and bring your own mug	GS200
2:50-3:35 PM	<b>EEOB Faculty Talk:</b> Maria Servedio	GS200
3:35-4:20 PM	<b>MCDB Faculty Talk:</b> Amy Gladfelter	GS200