

COLLEGE OF **SCIENCES**  
**BIOLOGICAL SCIENCES**

# Biological Sciences

September 12, 2016 AY 16-17 #133

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## Department Announcements:

### **Attention Students:**

Do you want to see an NCSU mobile application used campus-wide by NCSU students? Do you want to have a location based application that can assist you wherever you go on campus? Would you like to make an impact on the design of such an application? Here is your chance! A research group in the CEI lab from the NCSU CSC department is focusing on developing a location based application to be used by all NCSU students. To make the application serve wolfpackers better, they would like to let you decide what features to include in the application.

If you would like to contribute your ideas to this future NCSU application, please take this survey: (<https://goo.gl/forms/nNiHmNzTV1WTMkJy1>) Your ideas matter!

Thank you very much and have a great day!

Best regards,

Yihuan Dong  
Graduate Student  
Computer Science Department  
North Carolina State University

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## ***\*\*Save-the-Date\*\****

### **\*\*ATTENTION: SCHEDULE UPDATE\*\***

The Biological Sciences 2016 Fall Seminar Series  
Thursdays from 3:30-5 p.m. (\*\*Unless otherwise noted\*\*)  
Stephens Room, 3503 Thomas Hall

Check out the seminar schedule below, more titles coming soon!

**September 15th: David Buchwalter, NCSU**

**\*\*Friday, September 16th, 3:30-5 p.m.: Mike Cowley, NCSU\*\***

**\*\*Tuesday, September 20th, 12-1:20 pm: Michael Bereman, NCSU\*\***

**September 22nd: David Reif, NCSU**

**October 6th: Elena Schroeter, NCSU**

**\*\*Friday, October 7th 3:30-4:30 p.m: Robert Cooney, UH Manoa\*\***

**October 20th: TBA**

**November 3rd: Scott Belcher, NCSU**

**November 17th: Gary Ostrander, FSU**

**December 1st: Patricia Jensen, NIH**

**December 15th: Charlotte Boettiger, UNC**

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## Faculty in Action Seminar: Bill Ditto and Trudy Mackay

September 14 | 5:15 pm - 6:15 pm

Come hear Sciences faculty discuss their lives and research during an informal conversation with students. A pizza reception will follow in Riddick Hearth.

**Bill Ditto** has been the dean of the College of Sciences since September 2015, coming to NC State from the University of Hawaii at Manoa. He is a physicist whose research focuses on chaos theory, as well as an experienced entrepreneur and university administrator.

**Trudy Mackay** is William Neal Reynolds and University Distinguished Professor in the Department of Biological Sciences at NC State and winner of the **2016 Wolf Prize in Agriculture**. Her research on quantitative traits in fruit flies and their application to human genetics led her to develop the Drosophila Genetic Reference Panel, a resource used by researchers all over the world.



### Exclusively for you

Join us for Fiesta del Cell, a special event celebrating cell biology where you can:

- Meet your representatives
- Enjoy a great lunch (**burritos**)
- Check out demos and new products
- Explore the Gibco™ virtual training labs and earn certification badges
- Participate in a series of 10 minute talks across the Thermo Fisher Scientific Cell Biology Workflow
- One hour technical seminar, "How to boost your CRISPR editing efficiencies," we'll discuss the rate-limiting steps in current CRISPR-Cas9 workflows, and introduce streamlined methods to help reduce the editing workflow timeline to just 4 days.

Wednesday, September 21, 2016

**Time:** 12:00–2:00 p.m.  
CRISPR talk from 1:00–2:00 p.m.

**Location:** NCSU: Stephen's Room  
3503 Thomas Hall

To register for this event, go to [thermofisher.com/eventregistration](http://thermofisher.com/eventregistration)

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## **From the Center for Human Health and the Environment:**

The NC State University Center for Human Health and the Environment (CHHE) is announcing a new request for applications (RFA) for pilot project proposals for Fall of 2016. The overarching objective of the Center for Human Health and the Environment's Pilot Project Program (PPP) is to expand environmental health science research at NC State, ECU and NCCU. Pilot project funding to Center members and other NC State, ECU and NCCU investigators is awarded to collect preliminary data that will support applications for external funding from the National Institute of Environmental Health Sciences (NIEHS), other NIH Institutes and Federal agencies. Consequently, the major emphasis of the PPP is on research into the effects, potential consequences and prevention of environmental exposures on human health. The PPP will support high quality basic, applied, clinical and public health research. The PPP will provide funding for individual, collaborative and multidisciplinary research aimed at understanding the adverse impacts of environmental factors on human health and disease. Multidisciplinary collaborations and use of CHHE's core facilities are strongly encouraged but not required. Abstract pre-submission is encouraged but not required to determine if proposal topics are consistent with the mission of the CHHE.

Individual awards will range upwards to \$25,000 for one year. CHHE anticipates funding up to 6 awards for this round. **Applications will be due on October 10<sup>th</sup>, 2016.**

Application and additional information can be found at [chhe.research.ncsu.edu/pilot-projects](http://chhe.research.ncsu.edu/pilot-projects)

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Time: 1:30 pm  
Location: Stephens Room, 3503 Thomas Hall



**August 29**  
**Dr. Jason Moore, University of Pennsylvania**  
(Hosted by Dr. Trudy Mackay)



**September 12**  
**Dr. Rebecca Yang, Duke University**  
(Hosted by Dr. Robert Anholt)



**September 19**  
**Dr. Adriana San Miguel, NC State University**  
(Hosted by Dr. Robert Anholt)



**September 26**  
**Dr. Sarah Elgin, Washington University**  
(Hosted by the Genetics Teaching Faculty)



**October 3**  
**Dr. David Remington, UNC Greensboro**  
(Alumnus Seminar, Hosted by Dr. Trudy Mackay)



**October 10**  
**Dr. John Schimenti, Cornell University**  
(Hosted by Dr. Antonio Planchart)



**October 17**  
**Dr. Joseph Ecker, The Salk Institute**  
(Hosted by Dr. Jose Alonso and Dr. Anna Stepanova)



**October 24**  
**Dr. Joan Steitz, Yale University**  
(Hosted by the Genetics Graduate Students)



**October 31**  
**Genetics Program Halloween Party**  
**Dr. Victor Frankenstein, University of Transylvania**  
(Hosted by the Ghouls and witches of the Genetics Program)



**November 7**  
**Dr. Dahlia Nielsen, NC State University**  
(Hosted by Dr. David Aylor)



**November 14**  
**Dr. Harris Lewin, UC Davis**  
(Hosted by Dr. Trudy Mackay)



**November 21**  
**Dr. Laurianne Chantal Van Landeghem, NC State University**  
(Hosted by Dr. Robert Anholt)



**November 28**  
**Dr. Hans Hofmann, UT Austin**  
(Hosted by the Genetics Graduate Students)



**December 5**  
**Dr. Stephen Rich, University of Virginia**  
(Hosted by Dr. Trudy Mackay)



**SAVE THE DATE**  
**NC SOT Annual Meeting**  
**October 25, 2016**

National Institute of Environmental Health Sciences (NIEHS) Main Campus  
Research Triangle Park, NC

**Scientific Themes: Epigenetics and Stem Cells**

**Tentative Agenda**

**8:45 AM – 9:45 AM**

Career Panel Breakfast Discussion\*\*\*

\*\*\*PRE-REGISTRATION IS REQUIRED; Seating is limited to no more than  
25 students/Post-Docs

**10:00 AM – 4:30 PM**

Welcome & NCSOT Business Meeting

Presentations from Epigenetics Experts: Dr. Shaun McCullough (USEPA) &  
Dr. Catherine Hoyo (NC State)

President's Award for Research Competition (PARC; Open to Post-Docs  
Only)

Poster Session (Open to all members) and Competition (Open to both  
Graduate Students and Post-Docs)

Networking Lunch and Refreshment Break

Platform Presentations (Open to Graduate Students Only)

Presentations from Stem Cell Experts: Dr. Karen Augustine (Bristol Myers-  
Squibb) & Dr. Guang Hu (NIEHS)

Online Registration: <http://www.toxicology.org/groups/rc/nc/meetings.asp>

Registration\* is required for meeting attendance and **will close Friday, October 21, 2016.**

Registration covers cost of lunch and refreshments. Note: There will be no On-Site registration available.

\*Registration Fees are as follows: NCSOT Member- \$10; NCSOT Non-Member- \$15; NCSOT Student/Post Doc  
Member- \$5; NCSOT Student/Post Doc Non-Member- \$10

**Thank you to NIEHS for providing the venue for this meeting!**

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