

COLLEGE OF **SCIENCES**  
BIOLOGICAL SCIENCES

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# Biological Sciences

November 21, 2016 AY 16-17 #143

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## *Announcements*

As part Antibiotic Awareness Week, Alice Lee's MB360 Microbiology at the bench, crowdsourcing antibiotic discovery course created a [1 minute mannequin challenge video](#). The video is to highlight work in antibiotic research. The students are in our teaching lab, 1522 Thomas.

Students have also painted the free expression tunnel with antibiotic awareness facts and images.

On **Monday, Nov. 21**, they will hold a student outreach event on the same theme, in Talley between **11-3pm**. Please support the students by watching the video, checking out the art in the tunnel, and visiting Talley's lobby where they will have posters and games for the public on antibiotic research and resistance.

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### **From Lara MeKeel:**

I will be out of the office for the Thanksgiving holiday beginning at **noon on Tuesday November 22**. With Carlos no longer with the College, there is currently no backup approver for Marketplace orders placed on start-up/ETF/Departmental funds (accounts that begin with 2,3,6, or 7). Please have all orders to be paid from these funding sources submitted to me no later than **11AM on Tuesday November 22**. I will be unable to approve orders received after that time. I will approve any orders received after 11AM on the 22nd when I return on Monday November 28.

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Staff book club will meet to discuss *Grit: The Power of Passion and Perseverance*, by Angela Duckworth, on Wednesday, January 25th from 4:00 - 5:00 PM. If you are interested in joining, please contact Colleen Grant at [colleen\\_grant@ncsu.edu](mailto:colleen_grant@ncsu.edu).

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

#### **The Biological Sciences Department 2016 Seminar Series Stephens Room, 3503 Thomas Hall**

**December 1st, 3:30-5:00 pm: Patricia Jensen, NIH**

**December 15th, 3:30-5:00 pm: Charlotte Boettiger, UNC**

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**There will be a Heating, Steam, Air Conditioning and Hot Water Disconnect affecting several buildings on Main Campus. The disconnect will start on 11/23/16 at 12:00 PM and end on 11/27/16 at 5:00 PM. The outage is necessary for installation of a new PRV station in the steam tunnel.**

The buildings affected are as follows:

Biological Resources Facility  
Bostian  
Dabney  
David Clark (and addition)  
DH Hill (entire building)  
Gardner

Kilgore  
Mary Anne Fox  
Nelson  
Phytotron  
Scott  
Thomas  
Williams (and addition)

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## WHAT DID WE FIND LIVING ON OUR CAMPUS?: RESULTS OF THE WOLFPACK CITIZEN SCIENCE CHALLENGE

After months of volunteer teams taking camera trap photos of the wildlife living on campus, what animals did we see? What did we learn? At this closing event for the Wolfpack Citizen Science Challenge, Dr. Roland Kays and selected student participants will show off the new wildlife photographs and analyze the patterns of habitat use by animals. By comparing our campus with regional surveys of wild and developed landscapes, we hope to gain a better understanding of how wildlife and humans coexist in North Carolina.

Dr. Roland Kays is the head of the Biodiversity Research Lab at the NC Museum of Natural Sciences and a research associate professor at NC State.

**7:00 P.M. – 8:00 P.M.,  
TUESDAY, NOVEMBER 29**

**TEACHING AND VISUALIZATION LAB,  
HUNT LIBRARY**



Free and open to the public.

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**There will be a Heating, Steam, Air Conditioning (reheat) and Hot Water Disconnect affecting several buildings on Main Campus. The disconnect will start on 12/2/16 at 5:00 PM and end on 12/4/16 at 5:00 PM. The outage is necessary for installation of a new PRV station in the steam tunnel.**

The buildings affected are as follows:

Biological Resources Facility

Bostian

Dabney

David Clark (and Addition)

DH Hill (entire building)

Gardner

Kilgore

Mary Anne Fox

Nelson

Phytotron

Scott

Thomas

Williams (and Addition)

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**TOXICOLOGY PROGRAM  
Fall 2016 SEMINAR SCHEDULE**

**Tuesdays @ 4:00 PM Toxicology Building Room 2104, Centennial Campus**

**\*Co-sponsored by Toxicology Graduate Student Association**

**\*\*Co-sponsored by Center for Human Health and the Environment**

DATE	SPEAKER <i>Affiliation</i>	TITLE
8/23	<b>Jennifer Martinez*</b> <i>NIEHS</i>	"Non-canonical autophagy as a critical regulator of inflammation and autoimmunity"
8/30	<b>Susan Sumner**</b> <i>RTI</i>	"Metabolomics in maternal and child health"
9/6	<b>Rodolphe Barrangou</b> <i>NCSU</i>	"The CRISPR craze: from adaptive immunity to genome editing"
9/13	<b>Rodney Dietert**</b> <i>Cornell University</i>	"Health Risks for the Human Superorganism"
9/20	<b>James Samet</b> <i>EPA/UNC-CH</i>	"Redox Toxicology: Linking Environmental Oxidative Stress to Signaling Dysregulation"
9/27	<b>Jodie Fleming**</b> <i>NCCU</i>	"The role of the Lipolysis Stimulated Lipoprotein Receptor in the promotion of breast cancer"
10/4	<b>Carmen Williams*</b> <i>NIEHS</i>	"Epigenetic reprogramming of female reproductive tract function by developmental exposure to estrogenic chemicals"
10/11	<b>TBA</b>	
10/18	<b>Ernest Hodgson*</b> <i>NCSU</i>	"The Generalist in Toxicology: at Work and at Play"
10/25	<b>Marc Weisskopf**</b> <i>Harvard School of Public Health</i>	"ALS Epidemiology in large populations"
11/1	<b>Chad Blystone*</b> <i>Alumni Speaker NTP</i>	"Evaluation of 4-Methylcyclohexanemethanol developmental toxicity, the primary chemical in the Elk River Spill"
11/8	<b>Zhen Gu</b> <i>NCSU</i>	"Leverage Physiology for Precision Drug Delivery"
11/15	<b>Gina Hilton</b> <i>NCSU PhD Student</i> & <b>Mark Ihrie</b> <i>NCSU PhD Student</i>	"Proteomic discovery of nanoparticle-induced lung disease" & "Allergen-Nanoparticles in asthma susceptibility"
11/22	<b>Kenneth Poss</b> <i>Duke University</i>	"Enhancing tissue regeneration"
11/29	<b>Rusty Thomas</b> <i>US EPA</i>	"Too many chemicals, so little time"

NC STATE

FALL 2016 GENETICS PROGRAM SEMINAR SERIES

NC STATE

PROGRAM  
IN  
GENETICS

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

PROGRAM  
IN  
GENETICS



**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)

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