

Biological Sciences

November 28, 2016 AY 16-17 #144

Announcements

Mary Schweitzer, Wenxia Zheng, Elena Schroeter and their colleagues in China used innovative methods to "demonstrate evidence for both keratin and melanosomes" in a specimen which helps explain feather evolution in primitive birds. The *Eoconfuciusornis*, shown below, is a crow-sized bird which lived in China about 130 million years ago. The article can be found at <https://news.ncsu.edu/2016/11/pan-schweitzer-pnas/>



From Lara Mekeel:

Dear faculty, staff, and postdocs,

This is a reminder of the **Leave System Calendar Year End (December) Closeout**. Please note, if you are a leave-earning employee or supervise leave-earning employees, you have a few actions to take prior to the end of the calendar year:

- If you are a leave-earning employee, please print your monthly breakdown report for December 2016. The report must be signed by the employee and supervisor. Please turn the form in to Margaret Huffman, who will ensure the leave administrator signs off.
- It is imperative that you record (enter and approve) all leave for calendar year 2016 by December 31, 2016. Any leave transactions for 2016 that are logged in 2017 may not be recorded properly. Please alert Lara Mekeel if you forget to log leave for 2016 so your leave balance can be corrected.
- Any leave requests for 2017 should be recorded in 2017 - please do not submit these requests until after the start of the new year. If you have already submitted and/or approved a request for 2016, please alert Lara Mekeel.
- All negative annual and sick leave balances must be cleared for SHRA employees. If you or one of your employees are carrying a negative balance, please work with Lara Mekeel to zero it out before Wednesday December 14, 2016. If the negative balance is not resolved, your paycheck may be adjusted to reflect the overdrawn leave.

Thanks! Please let me know if you have any questions about the Leave Calendar Year End Close.

Save-the-Date



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.

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

December 1st, 3:30-5:00 pm: Patricia Jensen, NIH
"Mapping the function of genetically defined noradrenergic neuron subtypes"

December 15th, 3:30-5:00 pm: Charlotte Boettiger, UNC
"Dopamine and intertemporal choice"

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)

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

On behalf of University Special Events

Happy holidays! Please share the following event information with all faculty and staff:

Chancellor and Mrs. Woodson invite all NC State faculty and staff to attend their annual Holiday Open House on Wednesday, December 7, from 11 a.m. to 1 p.m. at The Point (1570 Main Campus Drive, Centennial Campus) .

Parking will be available at the residence, as well as in the nearby Park Alumni Center lot. Also for your convenience, a shuttle will run continuously between the surface parking lot (facing Cates Avenue) at the Coliseum Parking Deck on main campus and The Point.

Festive food will be served.

NC STATE

FALL 2016 GENETICS PROGRAM SEMINAR SERIES

NC STATE

PROGRAM
IN
GENETICS

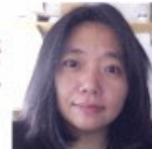
Time: 1:30 pm
Location: Stephens Room, 3503 Thomas Hall

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 Stapanova)

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)



Please join us for the Applied Ecology & BioSci Holiday Potluck!



Before the break, let's break for lunch!

Thursday, December 15th

David Clark Labs Atrium

11:30-1 p.m.

*****Lunch will begin at 12 p.m. *****

Please bring your favorite dish to share.

Ham or Turkey & Beverages will be provided.

**Don't forget your science-themed ornament
to decorate the DCL Lobby Christmas Tree! Prizes
will be awarded to the 1st, 2nd and 3rd place winners.**

WINTER HOLIDAY

ENERGY SAVING INITIATIVE

DEC. 24 >>>>> JAN. 2

You can reduce NC State's energy use and greenhouse gas emissions by preparing your office, lab or room for winter holiday energy savings.

BEFORE YOU LEAVE FOR WINTER HOLIDAY...

- 1 TURN OFF LIGHTS AND OFFICE/LAB EQUIPMENT.
- 2 UNPLUG NON-ESSENTIAL ELECTRONICS.
- 3 SHUT THE FUME HOOD SASH IN LABS.
- 4 CLOSE ALL EXTERIOR DOORS AND WINDOWS.



Submit exemption requests to go.ncsu.edu/setback no later than Dec. 7 at 5 p.m.



Energy Management

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