

COLLEGE OF **SCIENCES**
BIOLOGICAL SCIENCES

Biological Sciences

February 6th, 2017 AY 16-17 #153

Announcements

The new, soon-to-be-launched Department of Biological Sciences website will feature a student on its undergraduate page. We're looking for all sort of successful undergrads - those who work hard, engage in academics and community, do research, show leadership...

Please nominate an undergraduate in our department for this feature by filling out the form at <https://goo.gl/forms/nBgPtKrruJIAu0Er2>.

Thank you in advance for honoring our successful students and making our website engaging!

We are proud to announce Mary Schweitzer's recent paper was just featured in *Science*! Be sure to check out the article [here](#). Congrats to Mary and her team!

Save-the-Date

The Campus Writing & Speaking Program's Brown Bag Lunch Series Presents:

Images for Text, Text for Images



Dr. Jennifer Landin
Assistant Professor of
Biological Sciences

Wednesday, Feb.8
12-1 p.m., Withers 331

*First 6 participants to register
receive a free lunch:*



Register here: <http://go.ncsu.edu/okb2jw>

Follow us on Twitter! @ncsu_cwsp

The TGSA and CHHE Present:

Dr. John P. Wise

From the University of Louisville, KY

Wednesday, February 8th at 10:00 AM

For a Special Seminar on:

Whales and Turtles and Gators- Oh My! A Case Study of One Environmental Health and Chromium Pollution

Centennial Campus, Toxicology Building, Room 2104



Dr. John Wise studies how environmental chemicals cause tumorigenesis through DNA damage and damage response mechanisms. Recently he has published on hexavalent chromium and its effects on centrosome separation and amplification cobalt cytotoxicity and genotoxicity in lung epithelial cells.

He began his toxicology journey in Maine and completed his undergraduate research at George Mason University in Virginia and his PhD in pharmacology at George Washington University. His postdoctoral work was completed at the National Cancer Institute (NCI). He then took a job at an environmental and occupational medicine consulting firm. He then came back to academia and worked at Yale University, University of Southern Maine, and is currently at the University of Louisville.

As a professor at the University of Louisville in Kentucky in the department of pharmacology and toxicology, he focuses both on human and wildlife species focusing on toxicology as an inclusive study of environmental-human health.

**NC STATE
UNIVERSITY**


**Center for
Human
Health and the
Environment**



Keck Distinguished Speaker Series




**QTL and Gene Regulatory
Networks for Seeing
Through the Eyes of a Fish**



Dr. Karen Carleton

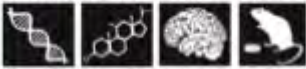
Department of Biology, University of Maryland – College Park



Thursday Feb. 9th, 3:30 pm
Stephens Room, 3503 Thomas Hall



**NC STATE
UNIVERSITY**

NCSU W. M. Keck Center

for Behavioral Biology

This Thursday, February 9th!

Don't miss BioSci's Bucky Gates at the NC Museum of Natural Sciences'
Science Cafe!

SCIENCE CAFE: OUTRAGEOUS HEADS
LED TO OUTRAGEOUSLY LARGE DINOSAURS

7-8:30 p.m. at the Daily Plant Cafe
Click [here](#) for more info!

**Besureto visit
the NCMuseum of Natural Sciences
for the annual
Darwin Day celebration!**

Saturday February 11 from 9am-5pm.



Triangle Chapter
Society for Neuroscience

Register Now-
www.TriangleSfN.org

3rd Annual Spring Conference

Plan to Participate!

- Network with local neuroscientists
- Present a poster
- Attend "ask a grad student" panel
- **Attendance is free!!!**

Featured Speakers-



Dr. David Anderson
California Institute of Technology



Dr. Serena Dudek
National Institute of Environmental Health Sciences



Dr. Leslie Sombers
North Carolina State University



Dr. Michael Nader
Wake Forest University



April 13, 2017

10:00 am - 5:30 pm

Embassy Suites

201 Harrison Oaks Blvd, Cary, NC

**TOXICOLOGY PROGRAM
SPRING 2017 SEMINAR SCHEDULE**

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

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

DATE	SPEAKER <i>Affiliation</i>	TITLE
1/10	Jason Richardson <i>Northeast Ohio Medical University</i>	Gene-environment interactions in neurological disorders
1/17	Russell Thomas <i>EPA</i>	Too many chemicals, so little time
1/24	Darryl Zeldin* <i>NIEHS</i>	Thromboxane (TXA2) Attenuates Th9 Cell Differentiation and Function During Allergic Lung Inflammation
1/31	Christopher Sistrunk <i>Alumni Speaker City of Hope</i>	Hiding in Plain Sight: How Morphologically Normal Breast Tissues Display Biochemically Cancerous Phenotypes in High Risk Women
2/7	Hazel Nichols <i>UNC Gillings School of Global Public Health</i>	Cancer and pregnancy
2/14	John Brock <i>UNC Asheville</i>	Human and Wildlife Exposure to Phthalates: Discovery and Future Directions
2/21	Katherine Franz <i>Duke University</i>	Designing molecules to mine for copper along the host-pathogen interface
2/28	Mark Zylka <i>UNC School of Medicine</i>	Genetic and environmental risks for autism
3/7	No Seminar	SPRING BREAK
3/14	No Seminar	Society of Toxicology Meeting
3/21	Humphrey Hung-Chang Yao* <i>NIEHS</i>	Sex, Arsenic, and Hedgehog: Mouse Models of Fetal Origins of Adult Diseases
3/28	Serena Dudek <i>NIEHS</i>	New insights into regulating synaptic plasticity from an unexpected place: Hippocampal Area CA2
4/4	TBD	
4/11	Antony Williams <i>EPA</i>	The EPA CompTox Chemistry Dashboard – A Data Integration Hub for Environmental Chemists and Toxicologists
4/18	Allison Camp <i>NCSU, PhD Student Advisor: Gerald LeBlanc</i> & Stephanie Eytcheson <i>NCSU, PhD Student Advisor: Gerald LeBlanc</i>	<i>TBD</i> <i>Hemoglobin Levels Modulate Toxicity to Nitrate</i>
4/25	Rick Woychik* <i>NIEHS</i>	Research Strategies for Exploring the Landscape of Environmental Health

Time: 1:30 pm

Location: Stephens Room, 3503 Thomas Hall



January 23
Dr. Steven Benner,
 Foundation for Applied Molecular Evolution
 (Hosted by Dr. Jeff Thorne)



February 6
Dr. Karl Broman
 University of Wisconsin
 (Hosted by the Genetics Graduate Students)



February 20
Dr. Chao-Qiang Lai
 Alumnus Seminar
 USDA, Tufts University
 (Hosted by Dr. Trudy Mackay)



March 13
Dr. Susan McCouch
 Cornell University
 Hosted by the Genetics Graduate Students)



March 27
Dr. Kirk Wilhelmsen
 UNC-Chapel Hill
 (Hosted by Dr. Robert Anholt)



April 10
Dr. Charles Aquadro
 Cornell University
 (Hosted by the Genetics Graduate Students)



April 24
Dr. Craig Montell
 University of California at Santa Barbara
 (Hosted by Dr. Robert Anholt)



January 30
Dr. William Jeffery
 University of Maryland
 (Hosted by the Genetics Graduate Students)



February 13
Dr. Brian Wiegmann
 Charles Darwin Lecture
 NC State University
 (Hosted by the Dr. Trudy Mackay)



February 27
Dr. Eric Gaucher
 Georgia Tech
 (Hosted by Dr. Jeff Thorne)



March 20
Dr. Logan Everett
 NC State University
 (Hosted by Dr. Trudy Mackay)



April 3
Dr. Mariana Wolfner
 Cornell University
 (Hosted by Dr. Robert Anholt)



April 17
Dr. Philip Benfey
 Duke University
 (Hosted by Dr. José Alonso)

W. M. Keck Center for Behavioral Biology

Distinguished Speaker Series

Spring 2017

January 26 John McGann

*Department of Psychology
Rutgers University*

***Beyond Bottom-Up Sensory Processing: Learning and Expectation
Can Shape Sensory Input to the Mouse Brain***

3:30 pm - 101DCL



February 9 Karen Carleton

*Department of Biology
University of Maryland, College Park*

QTL and Gene Regulatory Networks for Seeing Through the Eyes of a Fish

3:30 pm – 3503 Thomas Hall



March 9 Marlene Zuk

*College of Biological Sciences
University of Minnesota*

Rapid Evolution in Silence: Adaptive Signal Loss in the Pacific Field Cricket

3:30 pm – 3503 Thomas Hall



March 16 Jon Kaas

*Vanderbilt Brain Institute
Vanderbilt University*

The Evolution of the Human Brain

3:30 pm – 3503 Thomas Hall

7:30 pm – Daily Planet Café

NC Museum of Natural Sciences



April 24 Craig Montell

*Molecular, Cellular and Developmental Biology
University of California at Santa Barbara*

Decoding the Receptors Controlling Animal Behavior in Drosophila

1:30 pm – 3503 Thomas Hall



Spring 2017 Neuro Events

Neurogroup meets 3rd Thursday Stephens room 3rd floor Thomas Hall 11:30-1:00

Neurojournal club meets once a month in room 139 of David Clark Labs 11:00-12:00

January 19 Neuro-group

March 24 Neurojournal

February 3 Neurojournal

April 13 Triangle Society for Neuroscience

<http://trianglesfn.org/springmeeting/>

February 16 Neuro-group

April 20 Neuro-group

March 3 Neurojournal

April 20 Neuro-group

Brain Awareness Day

March 16

April 21 Neurojournal

Neuro-group 11:30

Dr. Alex Marshall High Point University

Jon Kaas seminar 3:30

May 18 Neuro-group

NCMNS event 6:30

**Duke Women in Science & Engineering &
Graduate Women in Science
Research Triangle Chapter**

A Celebration of Women in Science

Saturday, May 20, 2017 at Duke University

Keynote Address

Dr. Patricia Jensen

National Institute of
Environmental Health Sciences

“Diverse Origins in Science”



- Research symposium
- Short scientific talks
- Poster session
- Networking reception with refreshments
- Free registration

Time and exact location to be determined, registration will open March 2017
sites.duke.edu/wise/ gwisresearchtriangle.org/women-in-science-symposium/



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 NCSU Biological Sciences

 BiosciNcsu