

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

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# Biological Sciences

March 6th, 2017 AY 16-17 #157

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## Announcements

The NC State University Center for Human Health and the Environment (CHHE) is announcing its request for applications (RFA) for pilot project proposals for Spring 2017. Applications will be due on April 3, 2017.

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 Spring 2017. 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. CHHE anticipates funding up to 5-6 awards for this round. Abstract pre-submission ([icbonner@ncsu.edu](mailto:icbonner@ncsu.edu)) is encouraged but not required to determine if proposal topics are consistent with the mission of the CHHE. Individual awards will range up to \$25,000 direct costs for one year. Applications will be due on April 3, 2017. Application and additional information can be found at [chhe.research.ncsu.edu/pilot-projects](http://chhe.research.ncsu.edu/pilot-projects) and questions can be directed to Jamie Bonner ([icbonner@ncsu.edu](mailto:icbonner@ncsu.edu)), Director of CHHE PPP.

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### From John Meitzen:

Last Saturday there was a teacher workshop in neuroscience at Northern Vance county High School. The workshop was organized by NC State's Science House, and I was very fortunate to have gotten to participate. The Science House's Dr. Jason Painter, Dr. Kylie Swanson and Kristie Gutierrez deserve big kudos. Over the next month the teachers will be running the neuro experiments at 4 different science clubs!



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Please see the announcement below from OIT regarding an update to MyPack Portal. The Financial System (and potentially Employee Self Service) will be unavailable Thursday March 9 at 6PM through Monday March 13 at 7am.

**Please have all Marketplace orders submitted no later than Thursday March 9 at**

**8am. Any orders received after that time may not be approved prior to the outage.**

From OIT:

OIT Enterprise Application Services will upgrade the MyPack Portal and the Financial System to version 9.2 and will implement a new mobile-friendly Employee Self-Service on Monday, March 13.

The Financial Production System will be unavailable from 6 p.m. on Thursday, March 9 until 7 a.m. on Monday, March 13. OIT will provide more information about the downtime of the MyPack Portal at a later date.

The MyPack Portal upgrade, in conjunction with the Financial upgrade, will provide significant navigation improvements, including a modern look and more mobile and user friendly interfaces.

For videos, training information, documents, and handouts, see [Financial 9.2 Upgrade and Training Info.](#)

Concurrently, a new mobile-friendly version of Employee Self-Service will be deployed that will provide a responsive and modern interface for the features most commonly used by employees. Employees will be able to view their pay checks, manage their personal information, report and track their time, and review benefits, as well as other functions from their mobile devices.

<https://oit.ncsu.edu/2017/02/13/oit-to-deploy-new-version-of-mypack-portal-financial-system-and-employee-self-service/>

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## Save-the-Date



**On Wednesday , March 8, NC State University will be hosting it's Annual Shredding/Recycling Drive. This free event is open to the public and is your opportunity to safely and responsibly dispose of unwanted items.**

From 9 am through 1 pm in the lot behind 830 Main Campus on NC State's Centennial Campus,  
the following items will be accepted:

- Corded electronics such as computers, handheld devices, small kitchen appliances, televisions and cell phones
  - Electronic-related items such as batteries, CDs and USB drives
  - Rigid plastics such as buckets, flower pots and coolers
  - Plastic bags
  - CFL and other fluorescent light bulbs
  - Pens, markers, & mechanical pencils
  - Up to 10, 50-pound boxes of mixed paper per person
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# Building the Global Change Community

A Seminar Series Convening Five NCSU Colleges

**FEB 9** **DR. ERIN SEEKAMP** (CNR)  
Enhancing Transparency of Climate Adaptation  
Planning for Cultural Resource Management  
3:30pm | 101 David Clark Labs

**FEB 23** **DR. ELSA YOUNGSTEADT** (CALS)  
Climate Change and Plant-Pollinator Interactions  
3:30pm | 101 David Clark Labs

**MAR 30** **DR. ASTRID SCHNETZER** (MEAS)  
Harmful Algal Blooms and Climate Change  
3:30pm | 101 David Clark Labs

**APR 13** **DR. SANKAR ARUMUGAM** (COE)  
Utilizing Climate Information for Improving  
Water, Energy and Ecological Management  
3:30pm | 101 David Clark Labs



Hosted by the SE Climate Science Center and the Global Change Fellows

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

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**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/](http://sites.duke.edu/wise/)      [gwisresearchtriangle.org/women-in-science-symposium/](http://gwisresearchtriangle.org/women-in-science-symposium/)



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