

Biological Sciences

February 13th, 2017 AY 16-17 #154

Announcements

Help the College of Sciences support the
NC State Feed the Pack Food Pantry
by participating in the

Share the Love Food Drive

Drop off donations to 4216 Broughton Hall
February 14, 2017
Before 4:00 p.m.

Please donate nutritious, non-perishable foods such as: Canned Vegetables and Fruits;
Canned Meats and Fish; Pasta; Tomato Sauce; Dry and Canned Beans; Peanut Butter;
Healthy Snacks (granola bars, raisins, pretzels); Rice and Rice Noodles; Breakfast
Foods; Low-Sugar Cereal; Dry Milk and Fortified Soy Milk

Postdoctoral Associate Opening at Duke

Mark Herman's laboratory in the Duke Molecular Physiology Institute and the Duke Department of Endocrinology, Metabolism, and Nutrition is currently looking for a T32 eligible postdoctoral associate to work in the area of transcriptional regulation of glucose and lipid metabolism. More information is available in the attachment.

Dear NC State Faculty, Staff, and Students:

The GSL is pleased to announce the purchase of a PacBio Sequel DNA sequencing instrument, made possible by generous financial investments from the Provost's office, ORIED, and CALS.

The PacBio Sequel, the newest platform to utilize single molecule, long-read sequencing technology, produces up to 30 kb sequence reads with up to 7X more data output than traditional PacBio sequencers (e.g., RS II). This platform will greatly enhance *de novo* genome assembly projects, and facilitate full-length transcriptome sequencing (IsoSeq) efforts. This acquisition is part of an on-going effort to provide NC State users with advanced genomic resources, both now and in the future.

In order to accommodate the new instrument, the GSL will complete a number of Facility modifications on February 15th through February 22nd. Our Sanger sequencing service and our shared equipment resources (qPCR, ddPCR, plate reader, Covaris) will not be available during this time.

I apologize for this temporary inconvenience, but we look forward to the installation of the Sequel system and delivering increased service capabilities to you in the very near future.

Kind regards,

Andy (David) Baltzegar

Facilities Announcement:

The switch replacement for the Thomas Hall has been scheduled for Tues Feb 21st. Work will begin at 7 pm and the outage will only occur until 7 am Wednesday Feb 22nd.

During this outage, contractors will be onsite to upgrade the network infrastructure. **Network connectivity will be intermittent as connections are migrated to new**

equipment.

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

ECOLOGY & EVOLUTION

SPRING SEMINAR SERIES

The Destruction and Reconstruction of African Savannas: Large Mammals as Ecological Linchpins

Dr. Rob Pringle

Assistant Professor, Princeton University

February 16

3:30pm | 101 David Clark Labs

SPONSORED BY:

Department of Applied Ecology | Department of Biological Sciences
Southeast Climate Science Center | Global Environmental Change Cluster



Dr. Adam Hartstone-Rose

Public Science Cluster Candidate Seminar

Something to Chew On – Public Science and the
Exploration of Mastication!

When:

11 a.m.-12 p.m., Tuesday, Feb 21st

Where:

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 (CAL)
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

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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