

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

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# Biological Sciences

November 7, 2016 AY 16-17 #141

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## *Department Announcements:*

Be sure to congratulate John Meitzen because he is the 2016 recipient of the Society for Neuroscience's Next Generation Award! This is a prestigious form of recognition for his outreach in our community. John says "It's an exciting time to be a neuroscientist at NC State" and we agree!

<https://sciences.ncsu.edu/news/meitzen-wins-national-award-for-neuroscience-outreach/>

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The Forensic Analysis Lab participated in the NC Museum of Natural Sciences Nocturnal by Nature Halloween event on Thursday Oct 27th. Ann Ross and her colleagues set up a crime scene and evidence for visitors to analyze.



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The BioSci admin team took a tour of the N.C. State Belltower and a few exclusive locations in Holladay Hall. We learned about the history of the university and its grounds and the Chancellor even made an appearance!

If you have a group that is interested in an all access tour of the Belltower you can get in touch with former Vice Chancellor of Student Affairs **Thomas Stafford**. He still has his NCSU email address. You will have a blast!



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***\*\*Save-the-Date\*\****

**The Biological Sciences 2016 Fall Seminar Series**

Stephens Room, 3503 Thomas Hall

**November 17th, 1:30-2:30 pm: Gary Ostrander, FSU**  
**Reception after**

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

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

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Special Event

# Martine Rothblatt

CEO, United Therapeutics Corp.  
Founder, SiriusXM



November 18 | 5:30 pm - 6:30 pm

[Register now](#) to see Martine Rothblatt, one of the nation's most innovative business and biotechnology leaders and a leading voice on transgender rights, speak at this special **College of Sciences event at the Hunt Library**. Rothblatt is chief executive officer of United Therapeutics Corporation, a Forbes Global 2000 company, and president and CEO of its Lung Biotechnology public benefit company. For many years she has been one of the highest-paid executives in America, and she has been featured in [New York magazine](#), [The Washington Post](#), ABC's "The View" and many other media. The event is free and open to the public, but [registration is required](#).

Rothblatt previously created and led SiriusXM, the groundbreaking satellite radio company, as its chairman and CEO. Her patented inventions cover advances in satellite radio, prostacyclin biochemistry and cognitive software. She holds a law degree and an M.B.A. from UCLA, as well as a Ph.D. in medical ethics from the Royal London School of Medicine and Dentistry. Her recent books are on xenotransplantation (*Your Life or Mine*, Ashgate) and cyberethics (*Virtually Human*, St. Martin's) and she has also written extensively on communications, politics and transgenderism.

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## How Will Consumer-Driven Die-Off and Sea Level Rise Get Along in New England?

November 17 @ 3:30 pm - 4:30 pm

**Dr. Mark Bertness**

**Hosted by:** Applied Ecology | Biological Sciences | SE Climate Science Center | Global Environmental Change Cluster

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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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**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"

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



**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)







**SAVE THE DATE**  
**NC SOT Annual Meeting**  
**October 25, 2016**

National Institute of Environmental Health Sciences (NIEHS) Main Campus  
Research Triangle Park, NC

**Scientific Themes: Epigenetics and Stem Cells**

**Tentative Agenda**

**8:45 AM – 9:45 AM**

Career Panel Breakfast Discussion\*\*\*

\*\*\*PRE-REGISTRATION IS REQUIRED; Seating is limited to no more than  
25 students/Post-Docs

**10:00 AM – 4:30 PM**

Welcome & NCSOT Business Meeting

Presentations from Epigenetics Experts: Dr. Shaun McCullough (USEPA) &  
Dr. Catherine Hoyo (NC State)

President's Award for Research Competition (PARC; Open to Post-Docs  
Only)

Poster Session (Open to all members) and Competition (Open to both  
Graduate Students and Post-Docs)

Networking Lunch and Refreshment Break

Platform Presentations (Open to Graduate Students Only)

Presentations from Stem Cell Experts: Dr. Karen Augustine (Bristol Myers-  
Squibb) & Dr. Guang Hu (NIEHS)

Online Registration: <http://www.toxicology.org/groups/rc/nc/meetings.asp>

Registration\* is required for meeting attendance and **will close Friday, October 21, 2016.**

Registration covers cost of lunch and refreshments. Note: There will be no On-Site registration available.

\*Registration Fees are as follows: NCSOT Member- \$10; NCSOT Non-Member- \$15; NCSOT Student/Post Doc  
Member- \$5; NCSOT Student/Post Doc Non-Member- \$10

**Thank you to NIEHS for providing the venue for this meeting!**

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