



## Cornell University Department of Molecular Biology and Genetics

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### 2009-10 Archived Seminars

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**May 21, 2010**

**Doina Tumber**

Department of Molecular Biology & Genetics

Cornell University

*Title: "Control of stem cell dynamics in the hair follicle native niche"*

<http://mbg.cornell.edu/faculty-staff/faculty/tumber.cfm>

**May 14, 2010**

**Greg Hannon**

Cold Spring Harbor Laboratory

Cold Spring Harbor

*Title: "Conserved roles of small RNAs in genome defense"*

Host: Heather Flores

<http://www.cshl.edu/public/SCIENCE/hannon.html>

**May 7, 2010**

**Ning Zheng**

Department of Pharmacology

University of Washington

*Title: "Targeting Ubiquitin Ligases: Plant Hormones and Drug Discovery"*

Host: Ailong Ke

<http://depts.washington.edu/phcol/faculty/zheng.php>

**April 30, 2010**

**Jack Szostak**

Department of Molecular Biology- MGH

Harvard Medical School- HHMI

*Title: "Towards the Design and Synthesis of an Artificial Cell"*

Host: Bik Tye

<http://genetics.mgh.harvard.edu/szostakweb/>

**April 29, 2010 (Thursday)**

**Roy Parker**

HHMI- Department of Molecular & Cellular Biology

University of Arizona

*Title: "Control of Translation and mRNA Degradation in Eukaryotic Cells"*

Host: Jeff Pleiss

<http://www.mcb.arizona.edu/parker/default.htm>

**April 23, 2010**

**Harry Gilbert**

University of Georgia

*Title: "Dissecting the evolutionary mechanism that underpin plant cell wall deconstruction"*

Host: David Wilson

<http://www.ccrcc.uga.edu/personnel/index.php?uid=725&personnel=Tenure-Track%20Faculty>

**April 16, 2010**

**Marcus Smolka**

Department of Molecular Biology & Genetics

Cornell University

*Title: "Coordination of DNA Damage Response by Checkpoint Kinases & Molecular Scaffolds"*

Host: Bik Tye

<http://mbg.cornell.edu/cals/mbg/faculty-staff/faculty/smolka.cfm>

**April 9, 2010**

**Jian-Kang Zhu**

University of California, Riverside

*Title: "Conserved roles of small RNAs in genome defense"*

Host: Jian Hua

<http://www.faculty.ucr.edu/~jkzhu/>

**April 2, 2010**

**Patrick Hu**

Life Science Institute

University of Michigan

*Title: "Novel regulators of FoxO transcription factors"*

Host: Frank Schroeder

<http://www.lsi.umich.edu/facultyresearch/labs/hu/pi>

**March 26, 2010**

**Mitzi Kuroda**

Department of Genetics & Medicine

Harvard Medical School

*Title: "Xchromosome targeting of dosage compensation in Drosophila"*

Host: Dan Barbash

<http://www.hms.harvard.edu/dms/bbs/fac/kuroda.html>

**March 19, 2010**

**Dennis Winge**

Health Science Center

University of Utah

*Title: "Assembly and Quality Control Degradation of Cytochrome Oxidase"*

Host: Tom Fox

<http://www.biochem.utah.edu/~winge/>

**March 12, 2010**

**Elaine Ostrander**

Cancer Genetics Branch

National Human Genome Research Institute, NIH

*Title: "The long and short of it: Mapping Complex Traits in the Domestic Dog"*

Host: Nathan Sutter

<http://www.genome.gov/12513335>

**March 8, 2010 (Special Monday Seminar)**

**Michael Eisen**

Department of Molecular & Cell Biology

University of California, Berkeley

Title: ***"Molecular Logic & Evolutionary Mirages: The evolution of transcriptional regulation in Drosophila embryogenesis"***

Host: Brian Lazzaro

<http://rana.lbl.gov/eisen/>

**March 5, 2010**

**Shu-Bing Qian**

Division of Nutritional Sciences

Cornell University

Title: ***"Lost in Translation: a Tale of Protein Birth and Protein Death"***

Host: Volker Vogt

<http://www.human.cornell.edu/che/bio.cfm?netid=sq38>

**February 26, 2010**

**Kris Gunsalus**

Center for Genomics and Systems Biology

New York University- New York City

Title: ***"Molecular networks in C. elegans early embryogenesis"***

Host: Eric Alani & Kelly Liu

<http://biology.as.nyu.edu/object/KrisGunsalus>

**February 19, 2010**

**Laurel Raftery**

Department of Cell Biology

MGH-Harvard Medical Sciences

Title: ***"BMP regulation of epithelial morphogenesis"***

Host: Kelly Liu

<http://www.hms.harvard.edu/dms/bbs/fac/raftery.html>

**February 12, 2010**

**Bill Balch**

Cell Biology & Chemical Physiology

Scripps Institute - La Jolla, CA

Title: ***"Folding Energetics, Membrane Traffic & Proteostasis: Why it Works and What goes Wrong in Human Disease"***

Host: Bill Brown and Scott Emr

<http://www.scripps.edu/cb/balch/>

**February 5, 2010**

**Paul Cullen**

Department of Biological Sciences

State University of New York at Buffalo

Title: ***"Signal Transduction Pathway Regulation by Signaling Mucins"***

Host: Chris Fromme

<http://www.biology.buffalo.edu/faculty/cullen.html>

**January 29, 2010**

**David Stern**

Department Ecology & Evolutionary Biology

Princeton University

Title: ***"How a complex enhancer region contributes to phenotypic robustness and morphological evolution"***

Host: Chip Aquadro

<http://www.princeton.edu/~dstern/Stern%20Lab.html>

**January 22, 2010**

**Randall Kaufman**

Biological Chemistry-Biochemical Signaling

HHMI- University of Michigan, Ann Arbor

Title: ***"Protein Misfolding in the ER, Oxidative Stress and the Unfolded Protein Response."***

Host: Ling Qi

<http://www.biochem.med.umich.edu/?q=rkaufman>

**December 11, 2009 (SPECIAL TIME: 1:30PM)**

**Dan Barbash**

Department of Molecular Biology & Genetics  
Cornell University

Title: *"Speciation, the inevitable consequence of genome evolution"*

Host: Kelly Liu

<http://mbg.cornell.edu/cals/mbg/faculty-staff/faculty/barbash.cfm>

**December 4, 2009**

**Daniel Durocher**

Title: *"New insights on the response to DNA double-strand breaks from genetic and RNA interference screens"*

Host: Marcus Smolka

<http://www.mshri.on.ca/durocher/>

**November 20, 2009**

**Dan Starr**

Title: *"Positioning nuclei with a nuclear envelope bridge"*

Host: Kelly Liu

[http://sandtiger.dbs.ucdavis.edu/FacultyProfiles/CDB\\_GG/DisplayFacultyProfile.cfm?ResearcherID=1829](http://sandtiger.dbs.ucdavis.edu/FacultyProfiles/CDB_GG/DisplayFacultyProfile.cfm?ResearcherID=1829)

**November 13, 2009**

**Hannah Klein**

Title: *"Regulating Rad51 Recombinase through DNA Translocases"*

Host: Eric Alani

<http://www.med.nyu.edu/biochem/labs/klein/>

**November 5, 2009**

**2009 Racker Lecture**

**Joseph Schlessinger**

Title: *"Journey of a biophysical chemist in biomedical research"*

Call Auditorium-Kennedy Hall at 8:00 p.m.

Reception to follow outside of the Auditorium

Host: David Shalloway

**November 6, 2009**

**MBG Friday Seminar**

**Joseph Schlessinger**

4:00 P.M. G-10 Biotech Building

Title: *"Cell signaling by receptor tyrosine kinases; from molecules to cancer therapy"*

Reception at 5:00 P.M. Atrium-outside of G-10

Host: David Shalloway

**October 30, 2009**

**Natasza Kurpios**

Cornell University

Title: *"Trust Your Gut Instinct: Asymmetric Cell Behavior and Cell Shape Specify the Direction of Intestinal Looping"*

Host: Paul Soloway

**October 23, 2009**

**Justin Fay**

Title: *"Molecular basis of variable drug responses in yeast"*

Host: Zhenglong Gu

<http://www.genetics.wustl.edu/jflab/>

**October 16, 2009**

**Bing Ren**

Title: *"Decoding the human epigenome"*

Host: John Lis

<http://cancer.ucsd.edu/summaries/biren.asp>

**October 9, 2009**

**Joe Thornton**

Title: *"Functional Synthesis in Molecular Biology & Evolution: Evolution of Steroid Receptor Structure"*

Host: Nathan Clark

<http://www.uoregon.edu/~joet/>

**September 25, 2009**

**Bradley Bernstein**

Title: *"Epigenetic mechanism of pluripotency"*.

Host: Paul Soloway

<http://www.hms.harvard.edu/dms/bbs/fac/Bernstein.html>

**September 18, 2009**

**Ana Maria Cuervo**

Department of Developmental and Molecular Biology

Albert Einstein College of Medicine, Bronx, NY

Title: *"Selective Autophagy in Aging and Age-related Disorders"*

Host: Sylvia Lee

<http://www.aecom.yu.edu/cuervo/>

**September 11, 2009**

**Dr. Jue Chen**

Department of Microbiology

University of California-Davis

Title: *"Alternating access of the maltose ABC transporter"*

Host: Yuxin Mao

<http://chen.bio.purdue.edu/people.html>

**August 28, 2009**

**Dr. Frank Schroeder**

Schroeder Research Group, Boyce Thompson Institute, and Department of Chemistry and Chemical Biology

Cornell University

Title: *"Worm chemical biology: Lessons from small molecules"*

Host: Volker Vogt

<http://www.bti.cornell.edu/FrankSchroeder.php>