



**Cornell University**  
**Department of Molecular Biology and Genetics**

2007- 08 Archived Seminars

May 23, 2008

Title: "*Ligand Interactions and Domain Movements in a G Protein Coupled Receptor*"

**Fred Naider, College of Staten Island**

Host: Scheraga

[http://www.csi.cuny.edu/faculty/NAIDER\\_FRED.html](http://www.csi.cuny.edu/faculty/NAIDER_FRED.html)

May 16, 2008

Title: "*Cilia and Hedgehog Signaling*"

**Kathryn Anderson, Sloan-Kettering Institute**

Host: Garcia-Garcia

<http://www.mskcc.org/mskcc/html/10173.cfm>

May 9, 2008

Title: "*Regulation of Receptor Trafficking by Rab GTPases*"

**Suzanne Pfeffer, Stanford**

Host: Collins

<http://med.stanford.edu/>

May 2, 2008

Title: "*Runx1-CBF $\beta$  Function in Hematopoiesis and Leukemia*"

**Nancy Speck, Dartmouth**

Host: Tumbar

<http://www.cancer.dartmouth.edu/members/Speck.shtml>

April 28, 2008 (Monday, 9:30am, G01 Racker Room)

Title: "*Control of Chromosome Morphogenesis by Ubiquitylation in Meiosis*"

**Akira Sinohara, Osaka University**

Hosts: Alani & Cornell Replication, Repair and Recombination Group

April 25, 2008

Title: "*Hijacking the Ribosome: Translational Control in Viruses and Cells*"

**Jennifer Doudna, University of California**

Host: Ke

<http://rna.berkeley.edu/>

April 18, 2008

Title: "*Genetic Control of Sex-Specific Development and Behavior in C. Elegans*"

**Paul Sternberg, CALTECH**

Host: Liu

<http://wormlab.caltech.edu/members/paul.html>

April 11, 2008

Title: "Pre-mRNA Splicing as a Control Point for Regulating Gene Expression"

**Jeffrey Pleiss, Cornell University**

Hosts: Tye & Vogt

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

April 8, 2008 (Tuesday)

Title: "*Resolving a Paradox: The Structural Basis of Protein Folding In Vitro and In Vivo*"

**Christopher M. Dobson, University of Cambridge**

G10 Biotechnology Building at 4:00

Contact: Hess

<http://www.ch.cam.ac.uk/staff/cmd.html>

April 7, 2008 (Monday)

**The Class of 1942 James B. Sumner Lecture**

Title: "*Life on the Edge: The Origins and Proliferation of Protein Misfolding Diseases*"

**Christopher M. Dobson, University of Cambridge**

Call Alumni Auditorium, Kennedy Hall at 4:30

Contact: Hess

<http://www.ch.cam.ac.uk/staff/cmd.html>

April 4, 2008

Title: "*Unfolding the Unfolded Protein Response in Obesity*"

**Ling Qi, Cornell University**

Host: Vogt

<http://www.human.cornell.edu/che/DNS/qilab/index.cfm>

March 28, 2008

Title: "*Epigenetic Regulation of Preimplantation Development and Breast Cancer*"

**Scott Coonrod, Cornell**

Host: Kraus

<http://bakerinstitute.vet.cornell.edu/faculty/view.php?id=958>

March 21, 2008

Title: "*Using Mouse Coat Color Mutants to Explore the Functions of Myosin V in Melanocytes and Neurons*"

**John Hammer, NIH**

Host: Bretscher

<http://dir.nhlbi.nih.gov/labs/lcb/mcb/>

March 14, 2008

Title: "*Chemical Tools for the Study of NAD-Metabolizing Enzymes*"

**Hening Lin, Cornell University**

Host: Vogt

<http://www.chem.cornell.edu/faculty/index.asp?fac=63>

March 7, 2008

Title: "*Transcriptional Control of Pancreatic Development*"

**Raymond MacDonald, Southwestern Medical Center**

Hosts: Lee and Long

<http://www.utsouthwestern.edu/findfac/research/0,2357,14520,00.html>

March 3, 2008 (Monday, Candidate Seminar)

Title: *"Host/pathogen Interactions in C. Elegans"*

**Emily Troemel, Harvard University**

Hosts: Emr, Bretscher

February 27, 2008 (Wednesday, Candidate Seminar)

Title: *"Insights from a Genetic Disease Affecting Vesicle Coat Protein Assembly"*

**J. Christopher Fromme, University of California, Berkeley**

Hosts: Emr, Bretscher

February 22, 2008

Title: *"Macromolecular Assemblies and Conformational Coupling in Bacterial Chemotaxis and Circadian Clock Light Sensing"*

**Brian Crane, Cornell University**

Host: Garcia-Garcia

<http://www.chem.cornell.edu/faculty/index.asp?fac=23>

February 18, 2008 (Monday, Candidate Seminar)

Title: *"A Fluorescence-Based Approach to Examining Mitochondrial Translocon Structure and Dynamics"*

**Nathan Alder, Texas A & M**

Hosts: Emr, Bretscher

February 15, 2008

Title: *"Molecular mechanisms of light signaling in Arabidopsis"*

**Haiyang Wang, Cornell University**

Host: Tye

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

February 1, 2008

Title: *"Sorting Out Membrane Traffic: Getting to Know ESCRTs and PIPs"*

**Scott Emr, Cornell**

Host: Tye

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

January 25, 2008

Title: *"Assembly and Release of Retrovirus Particles"*

**Paul Bieniasz, AIDS Research Center**

Host: Vogt

<http://www.adarc.org/research/bieniasz/index.htm>

January 18, 2008

Title: *"Cytosine Methylation and Epigenetic Variation"*

**Eric Richards, Washington University, St. Louis**

Host: Hanson

<http://www.biology.wustl.edu/faculty/FacultyPage.php?IDProf=29>

December 13, 2007 (Thursday)

Title: *"FRET Nanosensors for Metabolic Flux, Analysis in Bacteria, Fungi, Plants and Animals"*

**Wolf Frommer**

Host: Stern

[http://med.stanford.edu/profiles/Wolf\\_Frommer/](http://med.stanford.edu/profiles/Wolf_Frommer/)

December 7, 2007

Title: *"Cell-to-Cell Trafficking in Plants: Viruses Touch a Nerve"*

**Sondra Lazarowitz, Cornell**

Host: Hanson

[http://www.plantpath.cornell.edu/Directory/Faculty\\_Info/Lazarowitz.html](http://www.plantpath.cornell.edu/Directory/Faculty_Info/Lazarowitz.html)

November 16, 2007

Title: *"Ultrasensitivity, Bistability, and Oscillations in Mitotic Control"***James Ferrell, Stanford**

Host: Goldberg

[http://med.stanford.edu/profiles/James\\_Ferrell/](http://med.stanford.edu/profiles/James_Ferrell/)

November 9, 2007

Title: *"Protein Interactions in Biological Complexity and Disease"***Tony Pawson**

Host: Shalloway

<http://pawsonlab.mshri.on.ca/>

November 8, 2007

**Ef Racker Lectures in Biology & Medicine**Title: *"Why Science Matters (or How to get a PhD in Two Weeks)"***Tony Pawson**

Host: Shalloway

<http://pawsonlab.mshri.on.ca/>

October 29, 2007 (Monday, Candidate Seminar)

Title: *"Mapping the DNA Damage Signaling Network with Quantitative Proteomics"***Marcus Smolka, Ludwig Institute**

Host: Emr, Bretscher

October 24, 2007 (Wednesday, Candidate Seminar)

Title: *"The Lowe Syndrome Protein OCRL in Early Steps of the Endocytic Pathway"***Yuxin Mao, Yale**

Host: Emr, Bretscher

October 22, 2007 (Monday, Candidate Seminar)

Title: *"Nucleating Branched Filaments: Structural, Biochemical and Computational Insights into Actin and Arp2/3 Complex"***Brad Nolen, Yale**

Host: Emr, Bretscher

October 18, 2007 (Thursday, Candidate Seminar)

Title: *"Redox Pathways for Cellular Disulfide Bond Formation: Mechanisms, Specificity and Regulation"***Carolyn Sevier, MIT**

Host: Emr, Bretscher

October 12, 2007

Title: *"Translational Control of Inflammatory Gene Expression"***Paul Fox, Lerner Research Institute**

Host: Stover

<http://www.lerner.ccf.org/cellbio/fox/>

October 5, 2007

Title: *"Microfluidics, Microtubules, and Cellular Pattern"*

**Phong Tran, PENN Medicine**

Host: Huffaker

<http://www.med.upenn.edu/cellbio/faculty/tran/>

September 28, 2007

Title: *"The Fidelity of Leading and Lagging Strand DNA Replication"*

**Thomas Kunkel, NIEHS**

Host: Alani

<http://dir.niehs.nih.gov/dirlmg/drf/home.htm>

September 21, 2007

Title: *"Genetic Surveys to Personal Genomes"*

**Richard Gibbs, Baylor College of Medicine**

Host: Bustamante

Siepel

<http://imgen.bcm.tmc.edu/molgen/facultyaz/gibbs.html>

September 14, 2007

Title: *"Fluorescence-Detected Protein Trafficking Into and Out of the ER"*

**Arthur Johnson, Texas A & M**

Host: Saksena

<http://medicine.tamhsc.edu/wwrl/AJ.html>

September 7, 2007

Title: *"Whole Genome Duplication and the Evolution of Fermentation in Yeast"*

**Zenglong Gu, Cornell University**

Host: Tye

<http://www.human.cornell.edu/che/bio.cfm?netid=zg27>

August 31, 2007

Title: *"Germ Cell Development and Regeneration in Planarians"*

**Phil Newmark, University of Illinois at Urbana-Champaign**

Host: Liu

<http://www.life.uiuc.edu/newmark/>

---

© Cornell University