MBG Seminar Series, Fall 2015-Spring 2016
G-10 Large Seminar Room / Biotechnology Building

8/28
Doris Bachtrog
Assoc. Professor, Integrative Biology,
University of California, Berkeley
“Sex-specific aging in Drosophila: a role for the Y chromosome?”

8/31
Sumner Lecture / Patrick Cramer
Director, Max Planck Institute for
Biophysical Chemistry

9/4
Amy Williams - Cancelled
Asst. Professor, Bio Stats and Computational
Bio, Cornell University

9/11
Alison Frand
Assoc. Prof., Biological Chemistry, UCLA
“Time to Make New Skin: Stem Cell and
Matrix Dynamics in C. elegans”

9/18
Rodney Rothstein
Professor, Genetics and Development,
Columbia University Medical Center
“Increased chromosome mobility and the
homology search during double-strand
break repair”

9/25
Michael Goldberg
Professor, MBG, Cornell University
“Phosphatase regulation by unfair
competition”

10/2
Xuemei Chen
Professor, Center for Plant Cell Biology,
University of California, Riverside
“A tale of tails – mechanisms of
microRNA turnover”

10/9
Su Guo
Professor, Bioengineering, University of
California, San Francisco
“Asymmetric division of neural stem
cells”

10/16
George Mackie
Professor, Biochemistry and Molecular
Biology, University of British Columbia
“Fascination with (mRNA) decay: several
vignettes”

10/30
John Gearhart – rescheduled to 04.29.16

10/30
Steve O’Brien
Director, Dobzhansky Center for Genome
Bioinformatics, St. Petersburg State
University
“From Crayons to Perfume – A personal
journey from Cornell roots to
applications in human and
environmental genomic health”

11/6
Bingwei Lu
Professor, Pathology, Stanford School of
Medicine
“Mitochondrial Quality Control in Health
and Disease”

11/13
Gerry Fink
Professor, Genetics, MIT
“Evolution of a genome without sex”

11/18
Jamie Cate
Professor, Biochemistry, Biophysics and
Structural Biology, University of California,
Berkeley
“Human eIF3: The Mediator of
Translation”

11/19
Racker Lecture / Jennifer Doudna
Professor, Chemistry and Molecular Cell
Biology, University of California, Berkeley
“CRISPR Biology: Basic Science and
Biotechnology”
“The CRISPR-Cas9 Genome Engineering
Revolution”

11/20

12/4
Lee Kraus
Professor and Vice Chair, Basic Science,
Dept. of Ob/GYN & Pharmacology,
University of Texas Southwestern Medical
Center, Dallas
“PARPs and ADP-ribosylation: Fifty Years
and Counting”

12/11
Jacob Mueller
Assistant Professor, Human Genetics,
University of Michigan Medical School
“X vs. Y”
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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| 1/7   | Candidate Seminar: Marcos Simoes-Costa  
Title: “Gene regulatory control of neural crest axial identity and fate”  
9am, 226 Weill Hall  
Host: Kelly Liu |
| 1/11  | Candidate Seminar: John Calarco  
Title: “Exploring mRNA Diversity Within the Nervous System”  
9am, 226 Weill Hall  
Host: Chun Han |
| 1/13  | Candidate Seminar: Kari Lenhart  
Title: “Modified cytokinesis and coordination in a stem cell niche”  
9am, 226 Weill Hall  
Host: Nicolas Bunchon |
| 1/19  | Candidate Seminar: Jens Rister  
Title: “Precise variations in a short regulatory element control neuron subtype-Specific gene expression”  
9am, 226 Weill Hall  
Host: Maria Garcia-Garcia |
| 1/21  | Candidate Seminar: Amin Ghabrial  
Title: “Molecular Genetic Dissection of Tube Morphogenesis”  
9am, 226 Weill Hall  
Host: Tony Bretscher |
| 1/25  | Special Candidate Seminar: Swathi Arur  
Title: “MicroRNAs, Pseudo-miRNAs and a Tale of New Birth”  
2pm, 226 Weill Hall  
Host: Mariana Wolfner |
| 1/29  | Speaker: Paula Cohen  
Cornell University, Department of Biomedical Sciences  
Title: “Investigating the molecular regulation of crossover control and chromosome segregation in mammalian meiosis”  
Host: Marcus Smolka  
http://meiosis.cornell.edu/ |
| 2/6   | Speaker: Jeremy Baskin  
Cornell University, Weill Institute for Cell and Molecular Biology  
Title: “Phosphoinositide synthesis at the plasma membrane and its impact on myelination”  
Host: Marcus Smolka  
http://baskin.wicmb.cornell.edu/ |
| 3/4   | Speaker: Andrew White  
Cornell University, Department of Biomedical Sciences  
Title: “The Adult Stem Cell Origins of Skin and Epithelial Cancers”  
Host: Marcus Smolka  
http://www.vet.cornell.edu/biosci/people/AndrewWhite.cfm |
| 3/11  | Speaker: Pamela Chang  
Cornell University, College of Veterinary Medicine  
Title: “Regulation of the immune system by gut microbiota metabolites”  
Host: Marcus Smolka  
http://www.pamchanglab.com/ |
| 3/18  | Speaker: Carrie Adler  
Cornell University, Department of Molecular Medicine  
Title: “Uncovering mechanisms of organ regeneration in planarians”  
Host: Bob Weiss |
| 3/25  | Speaker: Keith Blackwell  
Joslin Diabetes Center, Harvard Medical School, Department of Genetics  
Title: “Redox homeostasis, metabolic signaling, and aging”  
Host: Sylvia Lee  
http://hsci.harvard.edu/people/keith-blackwell-md-phd |
| 4/1   | Speaker: Lars Steinmetz  
Stanford School of Medicine, Department of Genetics  
Title: “Rare diseases, Levitating cells and Single cell genomics”  
Host: Eric Alani  
https://med.stanford.edu/profiles/lars-steinmetz |
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<tr>
<th>Date</th>
<th>Speaker</th>
<th>Institution</th>
<th>Department/Unit</th>
<th>Title</th>
<th>Host</th>
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<tbody>
<tr>
<td>4/15</td>
<td>Gregory Lang</td>
<td>Lehigh University</td>
<td>Department of Biological Sciences</td>
<td>“Genome sequence evolution in experimental populations of yeast”</td>
<td>Eric Alani</td>
<td><a href="http://www.lehigh.edu/bio/Faculty/Lang.html">http://www.lehigh.edu/bio/Faculty/Lang.html</a></td>
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<tr>
<td>4/22</td>
<td>Meng Wang</td>
<td>Baylor College of Medicine</td>
<td>Department of Molecular and Human Genetics</td>
<td>“Metabolic Drivers in Longevity Regulation”</td>
<td>Sylvia Lee</td>
<td><a href="https://www.bcm.edu/people/view/">https://www.bcm.edu/people/view/</a></td>
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<tr>
<td>4/29</td>
<td>John Gearhart</td>
<td>University of Pennsylvania</td>
<td>Department of Cell Developmental Biology</td>
<td>“Stem Cells &amp; Regenerative Medicine – Some Progress, Many Challenges”</td>
<td>Ross MacIntyre</td>
<td><a href="http://www.med.upenn.edu/apps/faculty/index.php/p8213305">http://www.med.upenn.edu/apps/faculty/index.php/p8213305</a></td>
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<td>5/6</td>
<td>Rodrigo Reyes</td>
<td>McGill University</td>
<td>Department of Biology</td>
<td>“Single-molecule studies of DNA replication in live cells”</td>
<td>Marcus Smolka</td>
<td><a href="http://biology.mcgill.ca/faculty/reyes_lamothe/">http://biology.mcgill.ca/faculty/reyes_lamothe/</a></td>
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<td>5/13</td>
<td>Bill Snell - CANCELLED</td>
<td>UT Southwestern</td>
<td>Department of Cell Biology</td>
<td></td>
<td>Bill Brown</td>
<td><a href="http://www.utsouthwestern.edu/labs/snell/">http://www.utsouthwestern.edu/labs/snell/</a></td>
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<tr>
<td>5/13</td>
<td>Bruce Futcher</td>
<td>Stony Brook University</td>
<td>Department of Molecular Genetics &amp; Microbiology</td>
<td>&quot;Attenuation of Genes and Viruses by Hidden Translational Codes&quot;</td>
<td>Tony Bretscher</td>
<td><a href="http://www.mgm.stonybrook.edu/futcher/index.html">http://www.mgm.stonybrook.edu/futcher/index.html</a></td>
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<td>5/20</td>
<td>Andrew Grimson</td>
<td>Cornell University</td>
<td>Department of Molecular Biology &amp; Genetics</td>
<td>“The Messenger's Tale: Decoding Post-transcriptional Gene Regulation in the 3'UTR”</td>
<td>Eric Alani</td>
<td><a href="https://sites.google.com/site/grimsonlab/">https://sites.google.com/site/grimsonlab/</a></td>
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