MBG Fall 2016-Spring 2017
Seminar Series
4pm / G-10 Biotechnology Building

08.26 GGD Field Candidate Talks
Hojoong Kwak – Asst. Professor, Cornell MBG
Title: “Probing the Interplay Between RNA and Cellular Architecture”
Fenghua Hu – Asst. Professor, Cornell MBG
Title: “Frontotemporal Dementia: Genes and Molecular Mechanisms”
Host: Bob Weiss rsw26@cornell.edu

09.02 Ailong Ke – Promotion Talk, Assoc. Professor, Cornell MBG
Title: “Mechanism of RNA-based gene regulation and immunity”
Host: Bill Brown wjb5@cornell.edu

09.09 Michael Lichten – NIH/CCR/NCI, Biochemistry and Molecular Biology
Title: “The interplay between meiotic chromosome structure and recombination biochemistry”
Host: John Schimenti jcs92@cornell.edu

09.16 Josh Mendell – UT Southwestern Medical Center, Dept. of Molecular Biology
Howard Hughes Medical Institute
Title: “Regulation and function of noncoding RNAs in mammals”
Host: Andrew Grimson agrimson@cornell.edu

09.23 Stirling Churchman – Department of Genetics, Harvard Medical School
Title: “Gene expression regulation at high resolution”
Host: Tom Fox tdf1@cornell.edu

09.30 Steve West – Francis Crick Institute
Title: “Molecular Scissors in DNA Repair and Chromosome Segregation”
Co-hosts: Marcus Smolka msb266@cornell.edu and Paula Cohen paula.cohen@cornell.edu

10.07 Don Fox – Department of Pharmacology & Cancer Biology, Duke University School of Medicine
Title: “Polyploidy in organ development and repair”
Co-hosts: Tony Bretscher apb5@cornell.edu & Nicolas Buchon nsb56@cornell.edu

10.14 Jay Dunlap – Departments of Genetics and Biochemistry, Dartmouth Medical School
Title: “Genetic and Molecular Dissection of a Simple Circadian System”
Host: Tony Bretscher apb5@cornell.edu

10.28 Barry Stoddard – Structural Biology, Fred Hutchinson Cancer Research Center
Title: “Invasive genetic elements: the evolution and engineering of targeted DNA recognition and application to genome engineering”
Host: Adam Bogdanove ajb7@cornell.edu
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
<th>Host</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.04</td>
<td>Luke Rice</td>
<td>Department of Biophysics, UT Southwestern Medical Center</td>
<td>“The β-tubulin conformational cycle in microtubule dynamics, regulation, and mechanochemistry”</td>
<td>Tim Huffaker <a href="mailto:tch4@cornell.edu">tch4@cornell.edu</a></td>
</tr>
<tr>
<td>11.11</td>
<td>Peter Friedl</td>
<td>Department of Genitourinary Medical Oncology, Division of Cancer Medicine, MD Anderson Cancer Center, University of Texas</td>
<td>Microenvironmental Control of Cancer Invasion, Metastasis and Therapy Response”</td>
<td>Ben Cosgrove <a href="mailto:bdc68@cornell.edu">bdc68@cornell.edu</a></td>
</tr>
<tr>
<td>11.18</td>
<td>Will Prinz</td>
<td>NIH / NIDDK / Cell Biology / Cell Signaling</td>
<td>&quot;Lipotoxicity and lipid transport at membrane contact sites.&quot;</td>
<td>Jeremy Baskin <a href="mailto:Jeremy.baskin@cornell.edu">Jeremy.baskin@cornell.edu</a></td>
</tr>
<tr>
<td>12.02</td>
<td>Doina Tumbar</td>
<td>Assoc. Professor, Cornell MBG, Promotion talk</td>
<td>TBA</td>
<td>Bill Brown <a href="mailto:wjb5@cornell.edu">wjb5@cornell.edu</a></td>
</tr>
<tr>
<td>12.09</td>
<td>Ferhat Ay</td>
<td>Asst. Professor, Computational Biology, La Jolla Institute for Allergy and Immunology</td>
<td>TBA</td>
<td>Sylvia Lee <a href="mailto:Sylvia.lee@cornell.edu">Sylvia.lee@cornell.edu</a></td>
</tr>
<tr>
<td>12.16</td>
<td>Rui Yi</td>
<td>Assoc. Professor, Molecular, Cellular, and Developmental Biology</td>
<td>TBA</td>
<td>Doina Tumbar <a href="mailto:tt252@cornell.edu">tt252@cornell.edu</a></td>
</tr>
<tr>
<td>01.13</td>
<td>Xin Chen</td>
<td>Department of Biology, Johns Hopkins University</td>
<td>Breaking Symmetry- Asymmetric epigenetic inheritance during Drosophila germline stem cell asymmetric division</td>
<td>Ailong Ke <a href="mailto:ailong.ke@cornell.edu">ailong.ke@cornell.edu</a></td>
</tr>
<tr>
<td>02.10</td>
<td>Jess Tyler</td>
<td>Weill Cornell Medical College</td>
<td>Novel insights into the roles of epigenetics in genome stability and replicative aging</td>
<td>Sylvia Lee <a href="mailto:sylvia.lee@cornell.edu">sylvia.lee@cornell.edu</a></td>
</tr>
<tr>
<td>02.24</td>
<td>Rachel Green</td>
<td>Molecular Biology and Genetics, Johns Hopkins University</td>
<td>“The lifetime of an mRNA is encoded in its sequence”</td>
<td>Shu-Bing Qian <a href="mailto:sq38@cornell.edu">sq38@cornell.edu</a></td>
</tr>
<tr>
<td>03.03</td>
<td>Ethan Bier</td>
<td>Cell and Developmental Biology, UC San Diego</td>
<td>“The Implications of Active Genetics”</td>
<td>Philipp Messer <a href="mailto:pm544@cornell.edu">pm544@cornell.edu</a></td>
</tr>
<tr>
<td>03.10</td>
<td>Vadim Gladyshev</td>
<td>Professor of Medicine, Harvard Medical School</td>
<td>&quot;Mechanisms of aging and redox control&quot;</td>
<td></td>
</tr>
</tbody>
</table>
03.17  Jeongmin Song - Cornell University College of Microbiology & Immunology  
Title:  "Typhoid Toxin has In Vivo Tropism to Cells Expressing the Multivalent Receptor"  
Host:  Marcus Smolka msb266@cornell.edu

03.31  Wolf-Dietrich Heyer - Microbiology and Molecular Genetics, UC Davis  
Title:  “Recombination and Chromosomal Rearrangements”  
Host:  Eric Alani eea3@cornell.edu

04.14  Yifan Cheng - Biochemistry & Biophysics, UC San Francisco  
Title:  Single particle cryo-EM – a breakthrough in structural biology  
Host:  Ailong Ke ailong.ke@cornell.edu

04.21  Eric Lai - Developmental Biology, Memorial Sloan Kettering Cancer Center  
Title:  RNAi/Slicer biology in flies and mice: tales of sex and blood  
Host:  Andrew Grimson agrimson@cornell.edu

04.28  Cassandra Extavour - Department of Molecular & Cellular Biology, Harvard University  
Title:  “Alternative model organisms: new tools, new insights into the evolution of development.”  
Host:  Mariana Wolfner mfw5@cornell.edu

05.05  Fred Hughson - Professor of Molecular Biology, Princeton University  
Title:  “Know when to hold ‘em, know when to fold ‘em: Chaperoning SNARE assembly to control membrane fusion”  
Host:  Chris Fromme jcf14@cornell.edu

05.19  Seung-Jae Lee - Molecular Genetics of Aging, Pohang University of Science & Technology  
Title:  "Novel factors that regulate aging and immunity in C. elegans: RNA quality control and mitochondrial chaperone"  
Host:  Sylvia Lee sylvia.lee@cornell.edu