# MBG Fall 2016-Spring 2017 Seminar Series

**4pm / G-10 Biotechnology Building**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Type</th>
<th>Speaker Details</th>
<th>Title</th>
<th>Host(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.26</td>
<td>GGD Field Candidate Talks</td>
<td>Hojoong Kwak – Asst. Professor, Cornell MBG</td>
<td>“Probing the Interplay Between RNA and Cellular Architecture”</td>
<td><a href="mailto:rsw26@cornell.edu">rsw26@cornell.edu</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fenghua Hu – Asst. Professor, Cornell MBG</td>
<td>“Frontotemporal Dementia: Genes and Molecular Mechanisms”</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Host: Bob Weiss</td>
<td></td>
</tr>
<tr>
<td>09.02</td>
<td>Ailong Ke – Promotion Talk, Assoc. Professor, Cornell MBG</td>
<td>“Mechanism of RNA-based gene regulation and immunity”</td>
<td><a href="mailto:wjb5@cornell.edu">wjb5@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td>09.09</td>
<td>Michael Lichten – NIH/CCR/NCI, Biochemistry and Molecular Biology</td>
<td>“The interplay between meiotic chromosome structure and recombination biochemistry”</td>
<td><a href="mailto:jcs92@cornell.edu">jcs92@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td>09.16</td>
<td>Josh Mendell – UT Southwestern Medical Center, Dept. of Molecular Biology</td>
<td>Howard Hughes Medical Institute</td>
<td><a href="mailto:agrimson@cornell.edu">agrimson@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Regulation and function of noncoding RNAs in mammals”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.23</td>
<td>Stirling Churchman – Department of Genetics, Harvard Medical School</td>
<td>“Gene expression regulation at high resolution”</td>
<td><a href="mailto:tdf1@cornell.edu">tdf1@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td>09.30</td>
<td>Steve West – Francis Crick Institute</td>
<td>“Molecular Scissors in DNA Repair and Chromosome Segregation”</td>
<td><a href="mailto:paula.cohen@cornell.edu">paula.cohen@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Co-hosts: Marcus Smolka</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:msb266@cornell.edu">msb266@cornell.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&amp; Paula Cohen</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:paula.cohen@cornell.edu">paula.cohen@cornell.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.07</td>
<td>Don Fox – Department of Pharmacology &amp; Cancer Biology, Duke University School of Medicine</td>
<td>“Polyploidy in organ development and repair”</td>
<td><a href="mailto:apb5@cornell.edu">apb5@cornell.edu</a> &amp; <a href="mailto:nsb56@cornell.edu">nsb56@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td>10.14</td>
<td>Jay Dunlap – Departments of Genetics and Biochemistry, Dartmouth Medical School</td>
<td>“Genetic and Molecular Dissection of a Simple Circadian System”</td>
<td><a href="mailto:apb5@cornell.edu">apb5@cornell.edu</a></td>
<td></td>
</tr>
<tr>
<td>10.28</td>
<td>Barry Stoddard – Structural Biology, Fred Hutchinson Cancer Research Center</td>
<td>“Invasive genetic elements: the evolution and engineering of targeted DNA recognition and application to genome engineering”</td>
<td><a href="mailto:aib7@cornell.edu">aib7@cornell.edu</a></td>
<td></td>
</tr>
</tbody>
</table>
11.04 Luke Rice – Department of Biophysics, UT Southwestern Medical Center
Title: “The αβ-tubulin conformational cycle in microtubule dynamics, regulation, and mechanochemistry”
Host: Tim Huffaker tch4@cornell.edu

11.11 Peter Friedl – Department of Genitourinary Medical Oncology, Division of Cancer Medicine, MD Anderson Cancer Center, University of Texas
Title: Microenvironmental Control of Cancer Invasion, Metastasis and Therapy Response”
Host: Ben Cosgrove bdc68@cornell.edu

11.18 Will Prinz – NIH / NIDDK / Cell Biology / Cell Signaling
Title: "Lipotoxicity and lipid transport at membrane contact sites."
Host: Jeremy Baskin Jeremy.baskin@cornell.edu

12.02 Doina Tumbar – Assoc. Professor, Cornell MBG, Promotion talk
Title: TBA
Host: Bill Brown wjb5@cornell.edu

12.09 Ferhat Ay – Asst. Professor, Computational Biology, La Jolla Institute for Allergy and Immunology
Title: TBA
Host: Sylvia Lee Sylvia.lee@cornell.edu

12.16 Rui Yi – Assoc. Professor, Molecular, Cellular, and Developmental Biology
University of Colorado Boulder
Title: TBA
Host: Doina Tumbar tt252@cornell.edu

01.13 Xin Chen- Department of Biology,
Johns Hopkins University
Title: Breaking Symmetry- Asymmetric epigenetic inheritance during Drosophila germline stem cell asymmetric division
Host: Ailong Ke ailong.ke@cornell.edu

02.10 Jess Tyler- Weill Cornell Medical College
Title: Novel insights into the roles of epigenetics in genome stability and replicative aging
Host: Sylvia Lee sylvia.lee@cornell.edu

02.24 Rachel Green- Molecular Biology and Genetics, Johns Hopkins University
Title: “The lifetime of an mRNA is encoded in its sequence”
Host: Shu-Bing Qian sq38@cornell.edu

03.03 Ethan Bier- Cell and Developmental Biology, UC San Diego
Title: “The Implications of Active Genetics”
Host: Philipp Messer pm544@cornell.edu

03.10 Vadim Gladyshev- Professor of Medicine, Harvard Medical School
Title: "Mechanisms of aging and redox control"
Host: Yimon Aye ya222@cornell.edu
Carolyn Sevier css224@cornell.edu

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