We are pleased to announce the 2013 regional meeting on Mobile Genetic Elements/Transposons will be held at Cold Spring Harbor Laboratory, New York. Ample time for extensive discussion and other networking opportunities will be included in the format of the meeting.

Junior investigators, as well as students and postdoctoral fellows are encouraged to submit abstracts, as all oral sessions shall include speakers selected from submitted abstracts. Abstracts should contain new and unpublished material.

The unique element of this meeting is to bring together researchers in all aspects of transposon biology, in prokaryotes as well as eukaryotes, including but not limited to molecular biology, comparative genomics, population genetics, and evolution. CSHL boasts a rich history in transposon biology.
2013 Regional Meeting on Mobile Genetic Elements

Thursday, October 24, 2013

6:00 p.m.  Introduction: Kate Creasey (Chair)

6:15 p.m.  Reprogramming of DNA methylation in pollen guides epigenetic inheritance via small RNA
Invited Speaker - Rob Martienssen  Cold Spring Harbor Laboratory

7:00 p.m.  The Transposon Storm Hypothesis of Neurodegeneration
Invited Speaker - Josh Dubnau  Cold Spring Harbor Laboratory

7:35 p.m.  Transposon Regulation
Keynote - Nancy Craig  Johns Hopkins University

8:30 p.m.  Evening Coffee

Friday, October 25, 2013

9:30 a.m.  What Mu transposons can tell us about the acquisition of new epigenetic information in plants
Invited Speaker - Damon Lisch (Chair)  University of California

10:00 a.m.  miRNAs trigger widespread epigenetically-activated siRNAs from transposons in Arabidopsis
Kate Creasey  Cold Spring Harbor Laboratory

10:20 a.m.  Transposable element small interfering RNAs inhibit host silencing
Keith Slotkin  Ohio State University

10:40 a.m.  Epigenetic variation at Sadhu transposons in Arabidopsis
Natalie Henkhaus  Cornell University

11:00 a.m.  Coffee break

11:15 a.m.  Rapidly evolving transposable elements and satellite DNAs drive the evolution of hybrid incompatibility genes
Daniel Barbash  Cornell University

11:45 a.m.  Host-TE dynamics in Drosophila: Harm, Benefit and the Evolutionary Response by the piRNA machinery
Justin Blumenstiel  University of Kansas
12:05 p.m.  *Drosophila PIWI’s target binding and silencing capacity for transposon elements and host mRNAs*  
**Yuliya Sytnikova*** Brandeis University

12:25 p.m.  *Ping-pong amplification ensures the fidelity of piRNA biogenesis in the Drosophila germline*  
**Jonathan Preall*** Cold Spring Harbor Laboratory

12:45 p.m.  Lunch

2:00 p.m.  Chair Jurgen Brosius  
*TBA*  
Invited Speaker: **Greg Hannon**  
Cold Spring Harbor Laboratory

2:30 p.m.  *Trex1 control of retroelements in neural cells*  
**Charles Thomas**  
University of California

2:50 p.m.  *Somatic Retrotransposition Drives Clonal Genetic Variation in Pancreatic Ductal Adenocarcinoma*  
**Nemanja Rodic**  
Johns Hopkins University

3:10 p.m.  *Use of the XRCC5-/- Mouse to Examine Line-1 Retrotransposition in Mesenchymal-Derived Tumors Lacking Telomerase and During B- and T-Cell Development*  
**Tammy Morrish**  
University of Toledo

3:30 p.m.  Coffee Break

3:45 p.m.  *Complex relations: Transposon mutualism in the ciliate Oxytricha*  
**Laura Landweber**  
Princeton University

4:10 p.m.  *Transposable element diversity and genome size in sequenced eukaryotes*  
**Tyler Elliott**  
University of Guelph

4:30 p.m.  *Murine endogenous retrotransposons lose epigenetic silencing with age*  
**Jill Kreiling**  
Brown University

4:50 p.m.  *Genome-wide transcriptional landscape of repetitive elements and their role in mammalian cellular senescence and aging*  
**Nicola Neretti**  
Brown University

5:10 p.m.  Poster Session (*poster competition*)
6:00 p.m. Cocktails
7:00 p.m. Banquet
9:30 p.m. Party / Band Minor Groove

Saturday, October 26, 2013

9:30 a.m. Transposable elements in bdelloid rotifers
Invited Speaker: Irina Arkhipova (Chair)
Marine Biology Laboratory, Woods Hole

10:00 a.m. piRNA-mediated silencing in the bdelloid rotifer Adineta vaga targets transposons as well as genes of foreign origin
Fernando Rodriguez  Marine Biological Laboratory

10:20 a.m. Retrotransposition may contribute to aging-associated genome instability in Saccharomyces cerevisiae
Patrick Maxwell  Rensselaer Polytechnic Institute

10:40 a.m. Sap1 guides the integration of LTR retrotransposons in Schizosaccharomyces pombe
Jake Jacobs  Rutgers University

11:15 a.m. Coffee break

11:30 a.m. Advances in understanding the evolution of the RAG1/RAG2 complex from Transib transposons
Invited Speaker: Vladimir Kapitonov
Genetic Information Research Institute

12:00 p.m. Transposon-host interaction using Sleeping Beauty transposon as a model system
Anantharam Devaraj  Max-Delbruck-Center for Molecular Medicine

12:20 p.m. Structural Study of Sleeping Beauty Transposase Binding to DNA
Irina Nesmelova  University of North Carolina

1:00 p.m. Brunch Buffet
Visitor Information

Books, Gifts, Snacks, Clothing, Newspapers
Bookstore: 367-8837 (hours posted on door)
Located in Grace Auditorium, lower level

Photocopiers, Journals, Periodicals, Books, Newspapers
Photocopying - Main Library (See Library staff for photocopier code.)
Hours: 8:00 a.m. - 9 p.m. Mon-Fri
10:00 a.m. - 6:00 p.m. Saturday
*Helpful tips* - Use PIN# 50365 to enter Library after hours.

Computers, Email, Internet access
Grace Auditorium -- Upper Level: Email only; Lower Level: Word processing and printing. STMP server address: mail.optonline.net
To access your Email, you must know the name of your home server.

Dining, Bar
Blackford Hall
Breakfast 7:30 - 9:00 a.m., Lunch 11:30 - 1:30 p.m., Dinner 5:30 - 7:00 p.m.
Bar 5:00 p.m. till late
*Helpful tip* - If there is a line at the upper dining area, try the lower dining room

Messages, Mail, Faxes
Message Board, Grace, lower level

Swimming, Tennis, Jogging, Hiking
June - Sept. Lifeguard on duty at the beach. 12:00 - 6:00 p.m.
Two tennis courts open daily. Hiking trails are listed on the campus map.

Russell Fitness Center
Dolan Hall, east wing, lower level -- PIN # 50365 (then enter #)

Concierge
On duty daily at Meetings & Courses Office.
After hours - from tan phones, dial x8870 for assistance

Pay phones, House phones
Grace, lower level; Cabin Complex; Blackford Hall; Dolan Hall; foyer

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<th>Emergency</th>
<th>CSHL</th>
<th>Banbury</th>
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<tr>
<td>Fire</td>
<td>(9) 742-3300</td>
<td>(9) 692-4747</td>
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<tr>
<td>Ambulance</td>
<td>(9) 742-3300</td>
<td>(9) 692-4747</td>
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<td>Poison</td>
<td>(9) 542-2323</td>
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<td>Police</td>
<td>(9) 911</td>
<td>(9) 549-8800</td>
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<td>Safety - Security</td>
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Emergency Room  Huntington Hospital  270 Park Avenue, Huntington  631-351-2300 (1037)
Dentists        Dr. William Berg   631-271-2310  Dr. Robert Zeman   631-271-8090
Doctor          MediCenter         234 W. Jericho Tpke, Huntington Station 631-423-5400 (1034)
Drugs           Rite-Aid          391 W. Main Street, Huntington  24 hours, 7 days 631-549-9400 (1039)

Free Speed Dial - Dial the four numbers (****) from any tan house phone to place a free call.
We are pleased to include an exhibition from CSHL Library and Archives on Nobel laureate Barbara McClintock.

We thank Dupont Pioneer, Monsanto and DART Neuroscience for sponsorship and support.