



# ASILOMAR

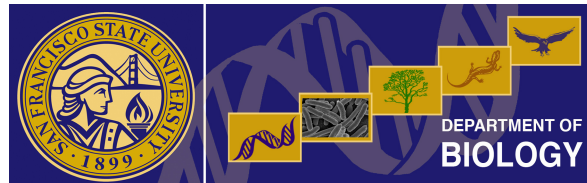
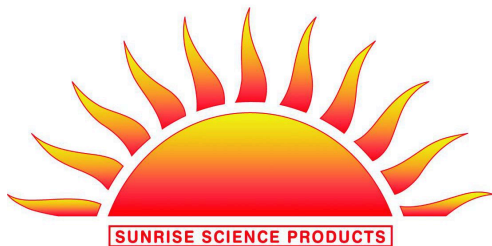
## chromatin

### SCIENTIFIC PROGRAM

**Asilomar Chromatin, Chromosomes and Epigenetics Conference**

**December 6<sup>th</sup>-9<sup>th</sup>, 2018, Pacific Grove CA**

**[asilomarchromatin.com](http://asilomarchromatin.com)**



## CONFERENCE GUIDELINES

**Check-in/out:** Please check with the Asilomar staff in the **Social Hall** (see E5 in attached map) to get/return your room keys, meal tickets and lodging information. Check-out time from the Asilomar rooms is **11:00 am on Sunday 12/9**.

All **meeting sessions**, including coffee breaks, socials and refreshments, will take place in the **Scripps Room** in the Asilomar Conference Grounds (see C4 in attached map).

**SPEAKERS:** Please plan your talks to be 15 min in length (we are allowing for a 15-min presentation + 5 additional min for questions).

**Breakfast, Lunch and Dinner** will take place in the **Crocker Dining Hall** (see F6 in attached map) in the Asilomar Conference Grounds.

Breakfast 7:30 am - 9:00 am | Lunch 12:00 pm - 1:00 pm | Dinner 6:00 pm - 7:00 pm

**Soft drinks, beer, wine, and snacks** will be served in the meeting room (**Scripps Room**) by Asilomar personnel from **8 pm to 11 pm on Thursday-Saturday nights**.

**BOX LUNCHESES** will be available for pick up on **Sunday 12/9 from during breakfast in Crocker Dining Hall**.

### 2018 ACCEC Organizing Committee

Philippe Georgel	Marshall University
Mike Goldman	San Francisco State University
Christopher Eskiw	University of Saskatchewan
Sally Pasion	San Francisco State University
Juan Ausió	University of Victoria

### 2018 ACCEC Sponsors

Sunrise Science Products	<a href="http://sunrisescience.com">sunrisescience.com</a>
San Francisco State University, Dept. of Biology	<a href="http://biology.sfsu.edu">biology.sfsu.edu</a>

**OPENING DINNER**

**6:00 pm – 7:00 pm Crocker Dining Hall**

**EVENING SESSION**

7:30 pm – 7:40 pm Welcome & Conference Reminders

**SESSION 1: TRANSCRIPTION, REPLICATION AND REPAIR**

Chairperson: Sally Pasion, *San Francisco State University*

7:40 pm – 8:20 pm **KEYNOTE #1: Regulation of genomic integrity by chromatin disassembly and reassembly.**

Jessica Tyler, *Weill Cornell Medical College*

8:20 pm – 8:50 pm **Break**

8:50 pm – 9:10 pm **SIRT1 Coordinates Genome Duplication at Replication Origins to Maintain Genomic Stability**

Mirit Aladjem, *National Cancer Institute*

9:10 pm – 9:30 pm **Chromatin Remodeling is involved in the Activation of DNA Damage Response Signaling and Promoting BRCA1-Dependent Genome Maintenance**

Michael J. Kruhlak, *National Cancer Institute*

9:30 pm – 11:00 pm **Evening Mixer (refreshments will be served)**

**BREAKFAST**

7:30 am – 9:00 am Crocker Dining Hall

**MORNING SESSION**

**SESSION 2: EPIGENETICS, CELL DIFFERENTIATION AND DISEASE**

Chairperson: Michael Goldman, *San Francisco State University*

9:15 am – 9:35 am **The Epigenetic Effects of Buprenorphine on Rat Brain  
Microvascular Endothelial Cells**  
Bradley Muncy, *Marshall University*

9:35 am- 9:55 am **Epigenetic connections between opioid exposure and brain  
development**  
Philippe Georgel, *Marshall University*

9:55 am - 10:15 am **Viral proteins as a potential driver of histone depletion in  
dinoflagellates**  
LeAnn Howe, *University of British Columbia*

10:15 am - 10: 40 am **Coffee Break**

10:40 am - 11:00 am **Compensating for histone acetyltransferase mutations in diffuse large  
B-cell lymphoma with omega-3 fatty acids**  
Tanner Bakhshi, *Marshall University*

11:00 am - 11:20 am **Sequence composition and origin of the *Nasonia vitripennis* B  
chromosome PSR**  
Elena Dalla Benetta, *Keck Science Center*

11:20 am - 11:40 am **Interaction of the yeast histone variant Htz1 with the Anaphase  
Promoting Complex drives yeast longevity**  
Troy Harkness, *University of Saskatchewan*

**LUNCH**

12:00 pm – 1:00 pm Crocker Dining Hall

**DINNER**

6:00 pm – 7:00 pm Crocker Dining Hall

**EVENING SESSION**

**SESSION 3: TELOMERES, CENTROMERES, AND REPLICATION**

Chairperson: Philippe Georgel, *Marshall University*

- 7:30 pm - 7:40 pm    **Conference Reminders, if any**
- 7:40 pm - 8:00 pm    **Targeting Telomerase by Synthetic Dosage Lethality**  
Franco Vizeacoumar, *University of Saskatchewan*
- 8:00 pm - 8:20 pm    **Elastic and Rigidified Centromeric CENP-A Nucleosomes Govern Centromeric Chromatin Plasticity**  
Daniel Melters, *National Cancer Institute*
- 8:20- pm - 8:40 pm    **Nutrient restriction (NR) and NR mimetics as a method of inducing progerin clearance and changing genome organization and function in Hutchinson-Gilford Progeria Syndrome fibroblasts**  
Zoe Gillespie, *University of Saskatchewan*
- 8:40 pm - 8:55 pm    **Break**
- 8:55 pm - 9:15 pm    **Modulation of cellular health through phenolic-mediated changes in genome function**  
Lily Zehfus, *University of Saskatchewan*
- 9:15pm - 9:35 pm    **Using H3K4 methylation to monitor re-deposition of parental histones following DNA replication**  
Benjamin Martin, *University of British Columbia*
- 9:35pm –9:55 pm    **Transcription Promotes the Interaction of the FAcilitates Chromatin Transactions (FACT) Complex with Nucleosomes in *Saccharomyces cerevisiae*.**  
Adam Chruscicki, *University of British Columbia*
- 9:55 pm - 11:00 pm    **Evening Mixer (refreshments will be served)**

**BREAKFAST**

7:30 am – 9:00 am Crocker Dining Hall

**MORNING SESSION**

**SESSION 4A: NUCLEAR AND GENOME ORGANIZATION**

Chairperson: Christopher Eskiw, *University of Saskatchewan*

9:15 am - 9:55 am **KEYNOTE #2: Probing the function of the non-coding genome using CRISPR genome engineering**  
Jennifer Mitchell, *University of Toronto*

9:55 am - 10:15 am **Sfmbt2, an Imprinted Polycomb-group Gene Adopts Allele-Specific Chromatin Conformations in Trophoblast Stem Cells**  
Neil Macpherson, *University of Toronto*

10:15 am - 10:35 am **Communication between the Core Histone Tails and H1 Carboxyl-terminal Domain**  
Fanfan Hao, *University of Rochester*

10:35 am - 11:00 am **Coffee Break**

11:00 am - 11:20 am **Regulation of transcription and chromatin organization by nucleoporin proteins**  
Eda Yildirim, *Duke University*

11:20 am - 11:40 am **Synthetic dosage lethal interactions of PLK1 and their application in cancer therapeutics**  
Chelsea Cunningham, *University of Saskatchewan*

11:40 am - 12:00 pm **Changes in DNA replication during aging in budding yeast**  
Jennifer Cobb, *University of Calgary*

**LUNCH**

12:00 pm - 1:00 pm Crocker Dining Hall

**FREE TIME ON YOUR OWN**

1:00 pm - 6:00 pm Discover Carmel, Point Lobos, and its surroundings.

**DINNER**

6:00 pm - 7:00 pm Crocker Dining Hall

**EVENING SESSION**

**SESSION 4B: NUCLEAR AND GENOME ORGANIZATION**

Chairperson: Juan Ausió, *University of Victoria*

- 7:30 pm - 7:50 pm    **Lysophosphatidylcholine Analogues Alter Yeast Nuclear Envelope Architecture and Function**  
Maria Sosa, *University of Calgary*
- 7:50 pm - 8:10 pm    **Rapid induction of transcriptional responses by IL-1 $\beta$  in human lung epithelial cells**  
Sayantani Ghosh Dastidar, *University of North Dakota*
- 8:10 pm - 8:30 pm    **Review of recent advances and the markings of housekeeping genes in zygote**  
Gerry Holmquist, *City of Hope*
- 8:30 pm - 8:50 pm    **Disruption of nutrient sensing alters gene expression and genome organization**  
Christopher Eskiw, *University of Saskatchewan*
- 8:50 pm - 9:20 pm    **Business discussion for 2019: topics/themes, key note speaker, mailing list, sponsor ideas, format for the meeting**
- 9:20 pm - 9:30 pm    **Closing Remarks**
- 9:30 pm - 11:00 pm    **Evening Mixer (refreshments will be served)**

**Sunday, December 9<sup>th</sup>, 2018**

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**BREAKFAST**

7:30 am - 9:00 am Crocker Dining Hall

**BOX LUNCHESES** will be available for pick up **during Breakfast at Crocker Dining Hall..**

**DEPARTURE (check-out time is 11 am)**