

GERSTNER SLOAN KETTERING'S

# Fifth Biennial Retreat

April 27 & 28, 2018

Mohonk Mountain House  
New Paltz, NY



Gerstner Sloan Kettering  
Graduate School of Biomedical Sciences

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# GSK Fifth Biennial Retreat

## April 27 & 28, 2018

### Friday, April 27, 2018

**6:30 AM**  
**BUS DEPARTS FROM MSK**

**9:00 – 9:45 AM**  
**CONTINENTAL BREAKFAST**

**9:50 – 10:00 AM**  
**OPENING REMARKS**  
Kenneth J. Marians, PhD,  
Dean

**10:00 – 11:00 AM**  
**SESSION I**  
Student & Faculty Oral  
Presentations

**11:00 – 11:15 AM**  
**BREAK**

**11:15 AM – 12:15 PM**  
**SESSION II**  
Student & Faculty  
Chalk Talks

**12:30 – 1:30 PM**  
**LUNCH**  
West Dining Room

**1:45 – 2:00 PM**  
**SESSION III**  
Student Poster Teasers

**2:00 – 3:00 PM**  
**STUDENT POSTER SESSION**

Group 1: 2:00 - 2:30 PM  
Group 2: 2:30 - 3:00 PM

**3:00 – 3:45 PM**  
**GROUP PHOTO**

**3:45 – 6:00 PM**  
**FREE TIME**  
Express Check-In Starts  
at 4:15 PM in Mountain  
Lake Conference House,  
South Lobby

**6:00 – 6:30 PM**  
**WINE & CHEESE**

**6:30 – 7:30 PM**  
**KEYNOTE**  
Carla V. Rothlin, PhD

**8:00 – 9:30 PM**  
**DINNER**  
The Parlor Room

**9:30 – 10:30 PM**  
**CAMPFIRE & S'MORES**  
The Pavilion

**10:30 PM – 12:00 AM**  
**STUDENT & FACULTY SOCIAL**  
West Dining Room

### Saturday, April 28, 2018

**9:00 – 10:00 AM**  
**BREAKFAST**  
West Dining Room

**10:00 – 11:00 AM**  
**FREE TIME**

**11:00 – 12:00 PM**  
**SESSION IV**  
Student & Faculty  
Chalk Talks

**12:00 – 12:30 PM**  
**FREE TIME**  
Check out by 1:00 PM

**12:30 – 1:30 PM**  
**LUNCH**  
West Dining Room

**1:45 – 2:45 PM**  
**SESSION V**  
Student & Faculty  
Oral Presentations

**2:45 – 3:00 PM**  
**BREAK**

**3:00 – 4:00 PM**  
**SESSION VI**  
Student & Faculty  
Chalk Talks

**5:00 PM**  
**BUS DEPARTS FOR MSK**

All sessions are held at the Mountain Lake Conference House

### Session I Moderator: Amy Shyu

**George Vaisey**  
*Structural and Functional  
Characterization of Bestrophin  
Channel Gating*

**Joseph C. Sun, PhD**  
*Transcription Factor IRF8  
Orchestrates the adaptive  
natural killer cell response*

**Hannah Wise**  
*Characterization of KDM6A loss in urothelial carcinoma*

### Session II Moderator: Zhongmin Wang

**Daniel Bachovchin, PhD**  
*Inhibition of DPP8/9 activates  
the Nlrp1b inflammasome*

**Lydia Finley, PhD**  
*Metabolic coordination of  
tumor suppression*

**Yun-Han Huang**  
*Hormone-Refractory  
Breast Cancer*

**Brian H. Santich**  
*Engineering bispecific  
antibodies for the treatment  
of disease*

### Session III Moderator: Mary Klein

**Participants:**  
Paige Arnold  
Hsuan-An Chen  
Anton Dorbin  
Rui Gao  
Caroline Gleason  
Emily Kansler  
Nicholas F. Kuhn  
Michael Langberg  
Gemma  
Regan-Mochrie  
Kelsey Temprine  
Brittany Woods

### Keynote

**Carla V. Rothlin, PhD** *The Virtues of Restraint*

### Session IV Moderator: Stella Paffenholz

**Zeda Zhang**  
*Tumor microenvironment  
derived NRG1 promotes  
antiandrogen resistance in  
prostate cancer*

**Edward Kasthuber**  
*Somatic genome engineering  
reveals DNAJB1-PRKACA  
fusion kinase as a driver and  
dependency in liver cancer*

**Jayanta Chaudhuri, PhD**  
*Elucidating B cell memory  
using influenza virus infection  
as a model system*

**John Maciejowski, PhD**  
*Telomere Crisis and  
Chromosome Shattering in  
Cancer*

### Session V Moderator: Miguel de Jesus

**Adrienne Boire, MD, PhD**  
*Complement Component 3 in  
Leptomeningeal Metastasis:  
Mechanism and Therapeutic  
Opportunities*

**Xiaoyi Li**  
*MicroRNA target identification  
by Halo-enhanced Ago2  
pulldown (HEAP)*

**Dana Pe'er, PhD**  
TBD

### Session VI Moderator: Maria Sirenko

**Steven K. Albanese**  
*Using physical modeling to  
direct biophysical experiments  
and predict the functional  
impact of clinical cancer  
mutations in kinases on drug  
susceptibility*

**Tuomas Tammela,  
MD, PhD**  
*Investigating cellular  
heterogeneity in cancer*

**Brian J. Joseph**  
*Short cryptic exons mediate  
recursive splicing in  
Drosophila*

**Mehmet Erman Karasu**  
*Ankrd31: New regulator of  
double strand break (DSB)  
formation in mammalian  
meiosis*