

2018 YALE MCDB RETREAT

FEATURING THE JOHN SPANGLER NICHOLAS SYMPOSIUM

MARINE BIOLOGICAL LABORATORIES, WOODS HOLE, MA

Friday, September 28

12:00 – 12:30 **Registration and Poster set-up (Swope Center)**
Sign up for Saturday Lunch Box.

Afternoon Session (Lillie Auditorium)

Moderator: David Breslow

12:30 – 12:35 **Welcome** (David Breslow and Nadya Dimitrova)

12:35 – 12:55 **Tom Pollard:** Regulation of constriction of the cytokinetic contractile ring

12:55 – 1:10 **Yannick Jacob:** Regulation of genome stability by histone variants

1:10 – 1:25 **Jing Yan:** Mechano-morphogenesis of bacterial biofilms

1:25 – 1:40 **Emilie Guillon (Holley Lab):** Fibronectin mediated intertissue adhesion predisposes the neural tube to spina bifida

1:40 – 2:00 **Coffee Break**
Special Announcement

2:00 – 2:15 **Yuan Xue (Acar Lab):** Live-cell imaging of chromatin condensation dynamics by CRISPR

2:15 – 2:30 **Ann Feke (Gendron Lab):** The U-box decoy library uncovers novel regulators of the plant circadian clock

2:30 – 3:00 **Lightning talks:** Selected poster highlights

3:00 – 5:00 **Panel discussions or Free time** **Moderator: Nadya Dimitrova**
 • **Science outreach and communication** (3:15-4:00, Lillie Auditorium)
 with Shirin Bahmanyar, Valerie Horsley, and Tom Pollard
 • **Defining a good research question** (4:15-5:00, Lillie Auditorium)
 with Ron Breaker, Yannick Jacob, and Christine Jacobs-Wagner

5:00 – 6:30 **Poster Session (Swope Center)**
Light refreshments will be served.

*Odd posters manned 5-5:45 pm and even posters manned 5:45-6:30 pm.
Please be at your poster for the competition.*

6:30 – 8:00

Dinner (Swope Center)

Sign up for Discussion tables (Optional)

- Applying for postdocs
- Building mentoring relationships
- Choosing between academic and industry career paths

Evening Session (Lillie Auditorium)

Moderator: Nadya Dimitrova

8:00 – 8:15

Anna Pyle: Harnessing the RIG-I innate immune sensor to control antiviral and antitumor responses

8:15 – 8:30

Jaymin Patel (Isaacs Lab): Animating secondary metabolism through advanced synthetic biology technologies

8:30 – 8:45

Nirag Kadakia (Emonet Lab): Implications of universal ORN adaptation for robust odor coding

8:45 – 9:00

Shirin Bahmanyar: Regulation of nuclear envelope assembly.

Party (Conference room, Swope Center)

9:00 – 11:00

Entertainment: provided by the 2nd-year MCDB graduate students.

Saturday, September 29

7:30– 9:00

Breakfast (Swope Center)

Check-out time: 10:00

Morning Session (Lillie Auditorium)

Moderator: Josien van Wolfswinkel

9:00 – 9:15

Josien van Wolfswinkel: PIWI proteins in planarian stem cell biology

9:15 – 9:30

David Breslow: A genome-wide screen for Hedgehog signaling reveals a new ciliary GTPase

9:30 – 9:45

Nadya Dimitrova: Long noncoding RNAs: From junk to glory

9:45 – 10:00

Jennifer Sun (Carlson Lab): Humidity response depends on the small soluble protein Obp59a in *Drosophila*

10:00 – 10:15

George Burlsem (Crews Lab): Expanding the scope of targeted protein degradation

10:15 – 10:45

Coffee Break and Group Photo

- 10:45 – 11:00 **Ron Breaker:** An ancient orphan riboswitch candidate
- 11:00 – 11:15 **Sangjin Kim (Jacobs-Wagner Lab):** Collaborative and antagonistic group behaviors of RNA polymerases
- 11:15 – 11:30 **Renne Wasko (Horsley Lab):** Protect and Serve: Elucidating the reparative role of skin sentinel cells
- 11:30 – 11:45 **Brian DeAngelis (Clark Lab):** How flies coordinate their legs to walk
- 11:45 – 12:00 **Vivian Irish:** On growth and form in petals
- 12:00 **Awards Ceremony** (Josien van Wolfswinkel)
- Logo Competition Special Award - Clara Liao
 - 2018 MCDB Retreat Best Posters Awards (TBD)
 - 2018 Spangler Awards Recipients
 - Rachel Zwick (Horsley Lab)
 - Molly Scott (Jacobs-Wagner Lab)
 - MCDB Cup (TBD)
- 12:15 **Picnic**
Boxed lunches provided by MBL.