

**2017 UCSD Division of Biological Sciences-Salk Institute
Annual Retreat Schedule**

SUNDAY, SEPTEMBER 24

Arrival Lunch (Lakeside Lawn) 12:00-1:00

Welcome and Announcements (Arrowhead Ballroom) 1:10-1:20
By Justin Meyer (Chair)

Faculty Session 1

Chaired by Matthew Banghart (Arrowhead Ballroom)

1. **Jonathan Shurin** 1:20-1:40
Climate and predators rule aquatic ecosystems and water resources

2. **Samara Reck-Peterson** 1:40-2:00
The molecular machines driving intracellular transport

3. **Wolfgang Busch** 2:20-2:40
To grow or not to grow – The genetic and molecular basis of root growth regulation

Break 2:40-2:55

Postdoc Session

Chaired by Axel Nimmerjahn (Arrowhead Ballroom)

1. **Horng Ou** 2:55-3:10
Visualizing the local structure and global 3D organization of chromatin as a continuum in the nucleus

2. **Matt Andrusiak** 3:10-3:25
Liquid phase separation and aggregation of the intrinsic negative regulator of axon regeneration TIAR-2

3. **Jia Fei** 3:25-3:40
NDF, a novel nucleosome disassembly factor that facilitates transcription through nucleosome

Break for Room Check-in and Poster Set-up 3:40-4:20
(Poster Set-up in Lakeview Terrace)

SUNDAY, SEPTEMBER 24 (CONTINUED)

Faculty Session 2

Chaired by Jing Wang

(Arrowhead Ballroom)

1. **Andres Leschzinger** 4:20-4:40
To fix or not to fix, that is the transcription-coupled DNA repair question
 2. **Heidi Cook-Andersen** 4:40-5:00
Reprogramming the transition from oocyte to embryo in mammals
 3. **Xin Sun** 5:00-5:20
Consider the lung as a sensory organ
- Room Check-in/Free time/Poster Set-up** 5:30-6:30
(Poster Set-up in Lakeview Terrace)
- Dinner** (Lakeside Lawn) 6:30-8:00

Keynote Speaker

(Arrowhead Ballroom)

- Introduction by Justin Meyer** 8:10-8:20
- Keynote Speaker Gina Poe** 8:20-9:20
Professor, Department of Integrative Biology and Physiology Professor, Department of Psychiatry at UC Los Angeles
Neurotransmitters and electrical activity patterns that reshape our brain during sleep
- Social Time and Poster Viewing** 9:20
(Social in Ballroom Foyer, Posters in Lakeview Terrace, Hospitality Suite in Stars Room)

MONDAY, SEPTEMBER 25

Breakfast (Ballroom Foyer)

8:00-9:00

Faculty Session 3

Chaired by Nan Hao

(Arrowhead Ballroom)

1. **Gentry Patrick**

9:10-9:30

Activity-dependent trafficking of lysosomes in neurons

2. **Hu Cang**

9:30-9:50

Visualizing chromosome organization with super-resolution microscopy

3. **Elizabeth Villa**

9:50-10:10

Opening windows into the cell: using cryo-electron tomography to investigate the molecular architecture of the nuclear periphery

Presentation on the Diversity Committee by Gentry Patrick

10:10-10:20

Break

10:20-10:45

Student Session

Chaired by Li-Fan Lu

(Arrowhead Ballroom)

1. **Jeanae Kaneshiro**

10:45-11:00

Nup98 promotes assembly of the nuclear lamina by regulating Lamin B1 expression

2. **Chi Ren**

11:00-11:15

Transformation of cortex-wide emergent properties during motor learning

3. **Matt Flagg**

11:15-11:30

"Structure-misfunction" analysis of cytoplasmic enzymes: exploring the structural envelope of protein quality control

4. **Elizabeth Hetherington**

11:30-11:45

Linking oceanography to long-term trends in foraging ecology and demographics of an endangered species: an isotopic perspective

MONDAY, SEPTEMBER 25 (CONTINUED)

Lunch (Lakeside Lawn) 12:00-1:00
Free Time / Poster Viewing 1:00-2:15
(Posters in Lakeview Terrace)

Student Only Session: Navigating mental health issues in **(Evergreen Room)**
graduate school 12:00-1:30
(Organized by Eileen Gonzalez, Kaisa Hanley, and Andrew Ryan)

Student Activities **(Beach)**
(Organized by Mai Tran, meet at volleyball court on beach for volleyball) 1:00-2:15

Faculty Session 4

Chaired by Justin Meyer

(Arrowhead Ballroom)

1. **Vicki Lundblad** 2:30-2:50
A hidden regulatory landscape on the surface of essential genome stability proteins

2. **Jing Wang** 2:50-3:10
How does context modulate olfactory circuits and behavior in Drosophila?

3. **Lin Chao** 3:10-3:30
Modeling and quantifying experimentally the effects of non-genetic damage on cellular aging, cell death, lineage immortality, and fitness variance in a bacterial population

4. **Stanley Lo** 3:30-3:50
When active learning fails: How faculty beliefs and intentions inform their teaching and influence student outcomes

Poster Session and Poster Judging

4:00-6:00

Organized by Nan Hao

(Lakeview Terrace)

Odd numbered posters presented 4:00-5:00

Even numbered posters presented 5:00-6:00

Dinner (Ballroom Foyer)

6:15-7:15

Random seating assigned by drawing Uno cards

Introduction of New Graduate Students

7:30-7:40

Presented by Justin Meyer

(Arrowhead Ballroom)

MONDAY, SEPTEMBER 25 (CONTINUED)

Award for Excellence in Graduate Research Speaker Introduced by Li-Fan Lu

Bingfei Yu (A. Goldrath lab, Section of Molecular Biology)

7:40-8:10

Googling key transcription factors for T cell fate decision

Awards / Announcements
(Arrowhead Ballroom)

8:15

Introduction of New Faculty Presented by William McGinnis

Best Graduate Student/Postdoc Talks Presented by Axel Nimmerjahn and Nan Hao

Best Graduate Student/Postdoc Posters Presented by Nan Hao

TA Awards Presented by Suzi Harlow

Faculty Mentorship Award Presented by Mai Tran and John Lubin

Faculty Attendance Award Presented by Justin Meyer

Break

9:15-9:30

Faculty Entertainment Presented by Rachel Dutton, Matt Banghart, and Sergey Kryazhimskiy

Student video Presented by the 2nd Year Students

Party (with Karaoke), Hospitality Suite

10:00

(Party in Lakeview Terrace, Hospitality Suite in Stars)

TUESDAY, SEPTEMBER 26

Breakfast (Ballroom Foyer)

8:00-9:30

Checkout

12:00