6th Annual Symposium on RNA Science and its Applications
The Language of RNA in Disease and Development
March 21 - 22, 2019

Thursday, March 21, 2019

Workshops – RNA Institute, Life Sciences Research Building
University at Albany

8:00 am – 3 pm  Nanoswitch-mediated detection of micro-RNAs
Ken Halvorsen, RNA Institute, University at Albany
Life Sciences Research Building, Room LS2020

10:30 am – 2 pm  Gradient Fractionation
Gabriele Fuchs, Department of Biological Sciences, University at Albany
Life Sciences Research Building, Room TBD

TBD  RNA simulations
Alan Chen, Department of Chemistry, University at Albany
Paul Whitford, Department of Physics, Northeastern University
Life Sciences Research Building, Room LSRB 2016

9:00 am – 2 pm  Epitranscriptomics
Dan Fabris, Department of Chemistry, University at Albany
Life Sciences Research Building, Room LSRB 1158

9:00 am – 2pm  Sequencing Technologies
Morgan Sammons, Department of Biological Sciences, University at Albany
Location: Life Sciences Research Building 1143

12 pm – 1pm  Workshop Lunch
Lunch will be provided for workshop participants in the life sciences research building

Performing Arts Center (PAC) – Main Theater, University at Albany

11:00 – 5:00 pm  Registration
Performing Arts Center Lobby

12:00 – 1:00 pm  Light Refreshments
Lecture Center Hall
1:00 – 3:00 pm  Poster Sessions (Lecture Center Hall)
(1:00 – 2:00 pm)  Poster Session I
(2:00 – 3:00 pm)  Poster Session II

3:00 – 3:10 pm  Trainee Presentation Welcome Remarks
Performing Arts Center, Main Theater
Prash Rangan, University at Albany, SUNY

Trainee Presentation Session I
Chair:

3:10 – 3:25 pm  Selected Speaker, yy
“xx”

3:25 – 3:40 pm  Selected Speaker, yy
“xx”

3:40 – 3:55 pm  Selected Speaker, yy
“xx”

3:55 - 4:10 pm  Selected Speaker, yy
“xx”

4:10 – 4:30 pm  Break (Performing Arts Center Lounge)
Coffee

Trainee Presentation Session II
Chair:

4:30 – 4:45 pm  Selected Speaker, yy
“xx”

4:45 – 5:00 pm  Selected Speaker, yy
“xx”

Distinguished Keynote Presentation
Chair: RNA Fellows, University at Albany, SUNY

5:05 – 5:15 pm  Welcome Remarks
Elga Wulfert, Interim Provost and Vice President for Academic Affairs, University at Albany
Andrew Berglund, Director, RNA Institute

5:20 – 6:15 pm  Distinguished Keynote
Craig Mello, University of Massachusetts Medical School
“RNA-guided inheritance in C. elegans”
6th Annual Symposium on RNA Science and its Applications
The Language of RNA in Disease and Development
March 21 - 22, 2019

Friday, March 22, 2019

Performing Arts Center, Main Theater, University at Albany

7:30 – 8:45 am  Registration: Performing Arts Center – Downstairs Lounge
Continental Breakfast: Performing Arts Center – Futterer Lounge
Poster Set-Up: Lecture Centers

8:45 – 8:55 am  Opening Remarks
Marlene Belfort, Distinguished Professor of Biology, University at Albany

Session 1  Regulatory RNAs
Chair: Joan Curcio, Wadsworth Center, NYSDOH; University at Albany

8:55 – 9:25 am  Keynote: Gisela Storz, National Institutes of Health
“Astonishing diversity and redundancy in small RNA-mediated regulation”

9:25 – 9:55 am  Keynote: Elçin Ünal, University of California, Berkeley
“LUTI mRNAs: a fresh perspective on gene regulation”

9:55 – 10:10 am  Selected Speaker, yy
“xx”

10:10 – 10:30 am  Coffee Break (Performing Arts Center – Futterer Lounge)

Session 2  RNA Chemistry
Chair: Jia Sheng, Department of Chemistry, University at Albany

10:30 – 11:00 am  Keynote: Eric Kool, Stanford University
“Small Molecule Reactive Probes of RNA”

11:00 – 11:30 am  Keynote: Matt Disney, The Scripps Research Institute
“Translating RNA sequence into lead small molecule medicines”

11:30 – 11:45 am  Selected Speaker, yy
“xx”

11:45 – 12:00 pm  Selected Speaker, yy
“xx”
12:00 – 2:00 pm Lunch Break (Lecture Center Hall)

12:00 – 2:00 pm Poster Sessions (Lecture Center Hall)
(12:00 – 1:00 pm) Poster Session I
(1:00 – 2:00 pm) Poster Session II

Session 3 RNA Focus in Disease Research
Chair: Bijan Dey, The RNA Institute, University at Albany

2:00 – 2:30 pm Keynote: Eliezer Calo, Massachusetts Institute of Technology
“xx”

2:30 – 3:00 pm Keynote: Charles Thornton, University of Rochester Medical Center
“RNA as perpetrator and victim in myotonic dystrophy”

3:00 – 3:15 pm Selected Speaker, yy
“xx”

3:15 – 3:30 pm Selected Speaker, yy
“xx”

3:30 – 3:50 pm Coffee Break (Futterer Lounge)

Session 4 RNA Modifications and Machines
Chair: Jason Herschkowitz, Cancer Research Center, School of
Public Health, University at Albany

3:50 – 4:20 pm Keynote: Cara Pager, Department of Biological Science, University
at Albany
“RNA Modifications Fine-tune Viral Gene Expression”

4:20 – 4:50 pm Keynote: Wendy Gilbert, Yale Center for RNA Science and Medicine
“Thousand-fold regulation of translation initiation by transcript
leader features”

4:50 – 5:05 pm Selected Speaker, yy
“xx”

5:15 – 7:00 pm Closing Reception (Futterer Lounge)
Remarks: Joan Curcio, Melinda Larsen and Tom Begley
Cocktails and hors d’oeuvres
Awards and prizes

Symposium Organizing Committee:
Joan Curcio and Melinda Larsen (Co-chairs), Tom Begley, Bijan Dey, Jason
Herschkowitz, Prashanth Rangan, and Jia Sheng