RTI Messenger

RTI Messenger, Issue 4

Welcome to the 4th issue of the RTI Messenger, keeping you in the loop from the RNA Therapeutics Institute at UMass Medical School. As always, if you have any resources, community-related news, or relevant seminars to share, please email: RNATherapeutics@UMassMed.edu.

Stay in the loop

Virtual Seminars and Meetings

CSHL Translational Control
Christine Carbone, *RTI, UMMS* speaking Friday, Sept 4: *ArfB can displace mRNA to rescue stalled ribosomes* Register›

RNA Biology & Technology- The Current Pandemic & Beyond, Riboclub Virtual Meeting
September 23-25, 2020 Register›

2020 Oligonucletide Therapeutics Society Virtual Meeting
September 27-30, 2020
Organizing Chair: **Jon Watts,** *RTI, UMMS* Register›

RNA Collaborative Seminar Series

Wednesday, Sept 9, 4:00 pm,U-M Center for RNA BioMedicine
Susan Hammoud, *Same Same Different: Single cell RNAseq identifies conserved and divergent features of mammalian spermatogenesis*
Justin Colacino, *Single cell transcriptomic profiling to understand breast stem cell heterogeneity in development and cancer disparities* Register›

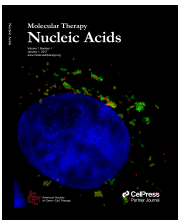
The **RNA Center Collaborative** is growing. If your RNA center is interested in joining us, email Martina Jerant for more info!

Congratulations to...

Anastasia Khvorova, David Cave, Julianna Buchwald, Paulo Martins, as the 2020 PACE Award Winners for:
Gene Silencing with siRNA During Liver Machine Preservation to Alleviate Ischemia Reperfusion Injury of Severely Ischemic Liver Grafts

OTS 2020 Dr. Alan M. Gewirtz Memorial Scholarship Award winners: **Annabelle Biscans** (postdoctoral award) and **Chantal Ferguson** (graduate student award)!

Christina Baer and Dorothy Schafer for receiving an MLSC Bits to Bytes award on the project *Spatial Transcriptomic Approaches to Map Neuroinflammation in Neurodegenerative Disease*



Hot Off the Press

Khvorova Lab: **Three** articles in the latest issue of Molecular Therapy Nucleic Acids AND the cover image! Click image for full issue: Single-Stranded Phosphorothioated Regions Enhance Cellular Uptake of Cholesterol-Conjugated siRNA but Not Silencing Efficacy, Mol Therapy Nucleic Acids

Korostelev Lab:
Cryo-EM of elongating ribosome with EF-Tu•GTP elucidates tRNA proofreading, Nature
Termi-Luc: a versatile assay to monitor full-protein release from ribosomes, RNA

Zamore Lab:
Thermus thermophilus Argonaute Functions in the Completion of DNA Replication, Cell
One small step for worms, one giant leap for small RNAs, Nat Rev

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Exclusive Movie Screening

RTI is hosting a screening for the 2020 Tribeca Film Festival Selection: Picture a Scientist **September 15-17**, you must register by **September 10** to receive the streaming link to watch in the comfort of your own home, at your leisure, during these 48hrs.
Register›

Career Opportunities

Postdoctoral Positions at the RTI, UMMS:

- **Anastasia Khvorova's Lab**, email Mary Beth Dziewientin
- **Athma Pai's Lab**
- **Jon Watt's Lab,** email Mary Beth Dziewientin
- **Wen Xue's Lab**

New England Biolabs, Inc:

- Postdoctoral Fellow, RNA Division

RNA Therapeutics Institute (RTI) • 368 Plantation St Worcester, Massachusetts 01605

Thank you for signing up for updates through RNATx!
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