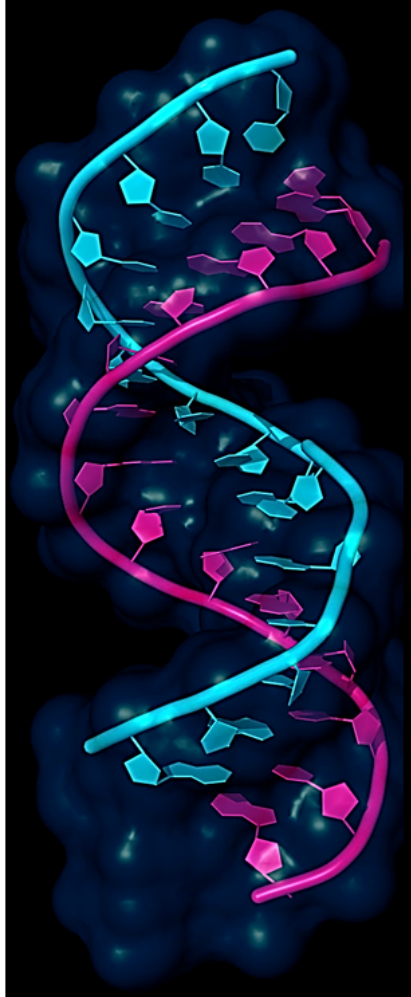
MicroRNA Symposium



Decoding MicroRNA Mysteries in Health and Disease

September 23-24, 2021
Virtual symposium hosted at the University of Illinois at Chicago, USA

Speakers

Frank Slack, Harvard Medical School
Roopa Biswas, Uniformed Services University of the Health Sciences
Richard Carthew, Northwestern University, USA
Dirk Dittmer, University of North Carolina at Chapel Hill
Kannanganattu Prasanth, University of Illinois at Urbana-Champaign
Larissa Nonn, University of Illinois at Chicago
Himanshu Kumar, Indian Institute of Science Education and Research
Lukas Jeker, University of Basel
Andrea Kasinski, Purdue University
Meaghan Hancock, Oregon Health & Science University
Mohd Wasim Nasser, University of Nebraska Medical Center

Scientific Organizers

Lyndon F. Cooper
Afsar R. Naqvi

Register Online:
https://www.eventbrite.com/e/decoding-microrna-mysteries-in-health-and-disease-tickets-168787079699

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PROGRAM

Thursday September 23rd, 2021 (8.45 AM – 4.00 PM Central Time)

Welcome Remarks

8.45 AM – 9.00 AM	**Afsar Naqvi,** *University of Illinois at Chicago, USA* **Lyndon Cooper,** *University of Illinois at Chicago, USA*

Session 1

9.00 AM – 10.00 AM	**Frank Slack,** *Harvard Medical School* **Keynote Speaker** "Toward personalized microRNA therapeutics"
10.00 PM – 11.00 PM	**Roopa Biswas,** *Uniformed Services University of the Health Sciences, USA* "MicroRNA-155: A tale of two diseases"
11.00 AM – 11.45 PM	**Andrea Kasinski**, *Purdue University, USA* "Overcoming the bottleneck in delivery of microRNAs via direct ligand conjugation"
11.45 AM – 12.15 PM	**Lyndon Cooper,** *University of Illinois at Chicago, USA* "Macrophage exosome-mediated control of bone regeneration"
12.15 PM – 12.45 PM	**Break**

Session 2

12.45 PM – 1.45 PM	**Richard Carthew,** *Northwestern University, USA* "MicroRNA interactions with metabolism: A two-way street"
1.45 PM – 2.30 PM	**Larissa Nonn**, *University of Illinois at Chicago, USA* "MicroRNAs and prostate cancer: Biomarkers and mediators of disease"
2.30 PM – 3.15 PM	**Kannanganattu Prasanth,** *University of Illinois at Urbana-Champaign, USA* "Role of ncRNAs in cell cycle progression and cancer"

Short Talks

3.15 PM – 3.30 PM	**Jaeil Han**, *UT Southwestern Medical Center, USA* "A ubiquitin ligase mediates target-directed microRNA decay independently of tailing and trimming"
3.30 PM – 3.45 PM	**Melanie Winkle**, *M.D. Anderson Cancer Center, Texas State University, USA* "Anti-miR-93-5p therapy prolongs sepsis survival by restoring the peripheral immune response"
3.45 PM – 4.00 PM	**Discussion and Session Closing**

Friday, September 24th, 2021 (8.45 AM– 4.00 PM)

Session 1

9.00 AM – 10.00 AM	**Dirk Dittmer,** *University of North Carolina at Chapel Hill, USA* "Exosomes carry oncogenic miRNAs in viral cancers"
10.00 AM – 10.45 AM	**Meaghan Hancock,** *Oregon Health & Science University, USA* "HCMV miRNA targets reveal signaling pathways important for latency and reactivation in CD34+ hematopoietic progenitor cells"
10.45 AM – 11.30 AM	**Tom Diekwisch,** *Texas A&M University, USA* "MicroRNAs in Periodontal Homeostasis and Disease"
11.30 AM – 12.15 AM	**Sriram Ravindran**, *University of Illinois at Chicago, USA* "Engineered mesenchymal stem cell derived exosomes for bone repair: Role of exosomal miRNA"
12.15 PM – 12.45 PM	**Break**

Session 2

12.45 PM – 1.45 PM	**Himanshu Kumar,** *Indian Institute of Science Education and Research (IISER), India* "Can miRNA regulator of natural immunity flip the flu?"
1.45 PM – 2.30 PM	**Afsar Naqvi,** *University of Illinois at Chicago, USA* "Immunomodulatory Role of Human Herpesvirus-Encoded MicroRNA in Oral Diseases"
2.30 PM – 3.15 PM	**Lukas Jeker,** *University of Basel, Switzerland* "The miR-17-92 cluster is a central mediator of T cell activation/costimulation"
3.15 PM – 3.55 PM	**Mohd Wasim Nasser,** *University of Nebraska Medical Center, USA* "MicroRNA-1 regulates small cell lung cancer metastasis through chemokine receptor CXCR4"
3.55 PM – 4.00 PM	**Concluding Remarks (Afsar Naqvi & Lyndon Cooper)**