

# 5<sup>th</sup> ANNUAL MEETING ON RNA

From basic research to industrial applications

09:30 – 10:30 Registration opens and coffee is served  
 10:30 – 10:35 Welcome by Jan Gorodkin & Torben Heick

## Session 1

10:35 – 11:20 **Keynote** RNA biology on a microbiome scale, Jörg Vogel, University of Würzburg  
 11:20 – 11:50 RNA origami: Design of co-transcriptionally folding RNA scaffolds and devices for synthetic biology applications, Ebbe Sloth, Aarhus University  
 11:50 – 12:20 **Industrial talk** Circulating microRNAs: non-invasive tissue- and mechanism-specific biomarkers for in-vitro diagnostics and drug development, Matthias Hackl, TAmiRNA  
 12:20 – 12:30 **Selected poster talk** Transcript isoform sequencing reveals widespread promoter-proximal transcriptional termination, Quentin Thomas  
 12:30 – 12:35 Announcements:
 

- Meeting announcement by Jeroen Bakker, Novo Seeds
- Brief introduction to the Danish RNA Society Club by Emilie Oksbjerg, University of Copenhagen

## 12:35 – 13:30 Lunch break

13:00 – 13:30 Danish RNA Society General Assembly

## Session 2

13:30 – 14:00 In silico modeling and prediction of CRISPR-Cas9 off- and on-targets, Jan Gorodkin, University of Copenhagen  
 14:00 – 14:30 Histone mRNA is subject to 3' uridylation and re-adenylation in *Aspergillus nidulans*, Mark Caddick, University of Liverpool  
 14:30 – 14:40 **Selected poster talk** Confirmation and spatial mapping of diverse striatal cells identified by single cell RNA sequencing in the mouse brain at single-cell resolution with multiplex in situ hybridization technology, Joan Raouf  
 14:40 – 14:50 **Selected poster talk** Mapping virus-host interactions at the RNA level, Troels Kasper Høyer Scheel  
 14:50 – 15:20 **Coffee Break**

## Session 3

15:20 – 15:50 Sponging the system with RNA – modulating the levels, processing and efficacy of the key Gram- positive riboregulator of central metabolism RoxS, Emma Denham, University of Bath  
 15:50 – 16:10 **Industrial talk** RNA-based drugs: from oligonucleotides to small molecules, Mads Aaboe Jensen, PhD, External Innovation Officer, RNA Molecule Research, Roche pRED  
 16:10 – 16:20 **Selected poster talk** Coordinated Assembly of RNA-Protein nanostructures in *Escherichia Coli*, Michael Truong-Giang Nguyen  
 16:20 – 16:30 **Selected poster talk** Fluorescent RNA-based biosensors with extended ranges of detection, Mette Jepsen  
 16:30 – 17:15 **Coffee Break and poster session.** Cast votes for the best poster.

## Session 4

17:15 – 17:45 **EMBO Young Investigator Lecture** Time-resolved small RNA sequencing unravels the molecular principles of microRNA homeostasis, Stefan Ameres, IMBA, Vienna  
 17:45 – 18:30 **Keynote** Prediction of co-transcriptional RNA folding for Modeling Riboswitches, Ivo Hofacker, University of Vienna  
 18:30 – 18:40 Poster prize winner announcement and closing remarks  
 18:40 - Departure to conference dinner for the signed up participants

Sponsored by:

novozymes



Innovation Fund Denmark

biotechne

Novogene



LEXOGEN  
 Enabling complete transcriptome sequencing

