

RNA & Disease 18-20th November 2018

Program

18th November (University main building)

Registration 12.00-13:00

Session 1

Chair Anders Virtanen

13.00-13.15 **Welcome address**
Anders Virtanen & Mary O'Connell

13.15-14.00 **A role for transposable elements in human brain evolution**
Johan Jakobsson

14.00-14.45 **Mitochondrial gene transcription and initiation of DNA replication.**
Claes M. Gustafsson

14.45- 15.15 **#14 The global RNA-binding protein ProQ regulates the expression of flagellar gene in Salmonella**
Erik Holmqvist

15.15-16.00 **Hidden Treasures of the RNA world: from moonlighting to riboregulation**
Matthias Hentze

16.00-16.30 **Coffee Break**

16.30-18.00 ***The 7th Lennart Philipson Memorial Lecture***
Joan A. Steitz

Viral Noncoding RNAs: Diversity in Form and Function

18.00-19.00 **Reception**

19.00 **Buffet dinner GH Nation**

19th November (Norrlands nation)

Registration 8.00-9:00

Session 2

Chair Anders Bystrom

9.00-9.45 **Transcriptional architecture and regulation of mammalian noncoding RNAs**
Claudia Kutter

9.45-10.30 **N⁶-methyladenosine RNA modification in health and disease**
Francesca Aguilo

10.30- 11.00 **Coffee Break**

11.00-11.20 **Bimodal effect of RNA on aggregation of the tumor suppressor protein p53**
Suparna Sanyal

11.20-11.40 **The role of RNA in synapse physiology and neurodegeneration in models of Parkinson's disease**
T. F. Outeiro

11.40-12.00 **Mechanistic analysis of human diseases that destabilize U12 snRNP**
Mikko J. Frilander

12.00 -13.30 **Lunch**

Session 3

Chair Suparna Sanyal

13.30-14.00 **The diverse biological roles of ADAR RNA editing enzymes**
Liam Keegan

14.00-14.45 **Integrating multiple gene expression datasets to understand cancer**
Alvis Brazma

14.45-15.15 **Coffee Break**

Chair Mary O'Connell

15.15-16.15 *The SciLifeLab The Svedberg Seminar*
Adrain Krainer
Targeted Antisense Therapeutics for Modulation of Splicing or NMD

16.15-18.00 Posters

20.00 Dinner Norrlands Nation

20th November (Norrlands nation)

Session 4

Chair Mary O'Connell

9.00-9.45 Wobble Uridine Modifications in Eukaryotes

Anders S. Byström

9.45-10.05 An Ultra-Sensitive Next Generation Sequencing Strategy for the Identification of Fusion Genes from RNA CaptureSeq Datasets for the Acute Lymphoblastic Leukaemia Clinical Diagnosis

Andrea Grioni

10.05-10.25 Changes in levels of A-to-I RNA editing and protection from malaria.

Jaclyn Quin

10.30- 11.00 Coffee Break

11.00-11.20 Reprogramming tRNA modifications to combat cancer

L. Peter Sarin

11.20-11.40 microRNAs as a functional link between obesity and cancer

Ari Meerson

11.45-12.30 Regulatory drivers of gene expression covariances in single mammalian cells

Marc R. Friedländer

12.30-13.00 Telomere biology disorders and RNA poly(A) metabolism

Anders Virtanen

13.00-14.00 Lunch

14:00 Tour of Uppsala upto 3 hours.

The tour starts at the entrance of Norrlands nation.