

## **AGO satellite meeting - 20th August 2024**

### **“RNA on the Move: linking extracellular and intracellular RNA biology”**

The goal in this meeting is to integrate intracellular and extracellular RNA fields and bring experts together to discuss research on AGOs, RNAi and extracellular RNA.

#### **AGENDA**

**09:00**      **Arrival and registration**

**09:15**      **Welcome and introduction**

#### **Session 1: Argonautes & their guides**

09:20      Gunter Meister  
              “The Argonaute phosphorylation cycle”

09:45      Kotaro Nakanishi  
              “Target cleavage and gene silencing by Argonaute with cityRNAs”

10:10      Amy Buck  
              “Argonaute export & transmission in the gut”

10:35      Short talks

Cei Abreu-Goodger  
“Evolution of transposable elements as the source of extracellular RNA”

Serena Qiao  
“Manipulation in a mutualism: exploring the role of cross-kingdom RNA interference in arbuscular mycorrhizal symbiosis”

Mauricio Castellano  
“Ribonuclease activity undermines immune sensing of naked extracellular RNA”

10:55      Flash talks (1 min)

**11:05**      **Coffee break & Poster Session**

## **Session 2: RNAi functions & cross-talk**

- 11:35 Eric Lai  
"Sex chromosome conflict and RNAi"
- 12:00 Arne Weiberg  
"Fungal Argonaute proteins act in bidirectional cross-kingdom RNAi during plant infection"
- 12:25 Hailing Jin  
"Cross-kingdom RNA Communications"
- 12:50 Roger Innes  
"Plants secrete diverse RNAs into extracellular spaces and onto leaf surfaces"
- 13:15 Short talks
- Stéphanie Jaubert-Possamai  
"Plant parasitic nematode eloidogyne incognita highjacks tomato post transcriptional gene silencing machinery by secreting microRNAs"
- Franklin Chow  
"Investigating Fungal Pathogen sRNAs: Potential Modulation of Host Immune Responses via RNAi Pathway Interaction"

## **13.30 LUNCH and networking & Poster Session**

## **Session 3: Emerging exRNA mechanisms & applications**

- 14:20 Lionel Navarro  
"exRNAs in host-bacteria interactions"
- 14:45 Julie Claycomb  
"C. elegans Intestinal Argonautes: Do they move, and where do they go?"
- 15:10 Neta Regev-Rudzki  
Malaria's Communicators: Extracellular Vesicles in Survival Strategies
- 15:35 Nicole Meisner-Kober  
Towards oral RNA delivery: Converging the biology of extracellular vesicles, viruses and LNPs

**16:00**      **COFFEE & Poster Session**

**16:25**      **DISCUSSION**

**16:55**      **WRAP UP & THANK YOU**