

# All-Ireland RNA Club Autumn Meeting



**Friday, 1<sup>st</sup> December 2023**

**9:30 – 13:30**

**Organisers:**

**Hannah Turkington, Matthew James,  
Parisa Naeli, and Precious Owuamalam  
(Queen's University Belfast)**

# Programme

## **9.30-9.45: Welcome and Opening Remarks**

Matthew James (Queen's University Belfast), Martina Schroeder (Maynooth University)

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## **Session 1 (Chair: Matthew James, Queen's University Belfast)**

### **09.45-10:00: Human DEAD-Box Helicase 3 X and Viral Infection**

Cathal Ryan (Maynooth University)

### **10:15-10:30: Elucidating the role of the cold-inducible RNA binding protein, RBM3, during influenza A virus transcription**

Hannah Coutts (Queen's University Belfast)

### **09.45-10:00: RNA accumulation in aged endothelial cells links an interferon gene signature to cellular senescence**

Jasenka Guduric-Fuchs (Queen's University Belfast)

### **10.30-10.45: GUN Control: The Therapeutic Potential of Queuine Analogues**

Callum McGrenaghan (Trinity College Dublin)

**10.45-11.00: Break**

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## **Session 2 (Chair: Parisa Naeli, Queen's University Belfast)**

### **11.00-11:40: Keynote Talk**

Prof. Matthias Hentze (EMBL, Heidelberg)

**11.40-12.00: Break**

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## **Session 3 (Chair: Hannah Turkington, Queen's University Belfast)**

### **12.00-12.15: The coding potential of long non-coding RNAs in cancer**

George Merrin (University College Cork)

### **12.15-12:30: Exploring Driver Mutations in Long non-coding RNAs using CRISPR-Prime Editing**

Ai Ming Tham (University College Dublin)

**12:30-12:45: CRISPR-powered long noncoding RNA therapeutics for oncology**

Rory Johnson (University College, Dublin)

**12.45-13:00: Triple coding in human SRD5A1 mRNA**

Martina Yordanova (University College Cork)

**13.00-13.15: Parasite-host communication mediated by secreted small RNAs**

Paul McVeigh (Queen's University Belfast)

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**13:15-13:30: Closing Remarks**

Precious Owuamalam (Queen's University Belfast), Martina Schroeder  
(Maynooth University)

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**13.30-14.00: All-Ireland RNA Club Committee Meeting**