

## Conference Program

### Monday, 17 June 2019

- 08:00am – 08:30am Registration
- 08:30am – 09:15am Keynote Speaker: Tony Kouzarides (The Gurdon Institute)  
*RNA epigenetics: regulatory pathways and roles in cancer*
- 09:15am – 10:30am Session I – Cell Differentiation and development**  
Session Chair TBA
- 09:15am – 09:40am Donal O'Carroll (University of Edinburgh)  
*RNA modification and the immortal lineage*
- 09:40am – 10:05am Arne Klungland (Oslo University)  
*Epitranscriptomic regulation of meiosis and the preimplantation embryo*
- 10:05pm – 10:30am Crystal Zhao (Sanford Burnham Prebys Medical Discovery Institute)  
*Functional role of messenger RNA modification in stem cells*
- 10:30am – 11:00am Coffee break
- 11:00am – 12:40pm Session II – Cancer Biology**  
Session Chair TBA
- 11:00am – 11:25am Michaela Frye (Johannes Gutenberg University Mainz)  
*The regulatory potential of RNA methylation in translation*
- 11:25am – 11:50am Jianjun Chen (City of Hope National Medical Center)  
*RNA modification in cancer: function, mechanism and therapeutic implication*
- 11:50am – 12:15pm Yanhong Shi (City of Hope National Medical Center)  
*RNA modification in cancer and neurological disorders*
- 12:15pm – 12:40pm Michael Kharas (Memory Sloan Kettering Cancer Center)  
*The biology of RNA methylation in normal and malignant hematopoiesis*
- 12:40pm – 12:55pm Anne Wiblin (Abcam)  
*Finding the Gap: Reagents for Epitranscriptomics*
- 12:55pm – 02:00pm Lunch
- 02:00pm – 03:30pm Session III – Neurobiology**  
Session Chair TBA
- 02:00pm – 02:25pm Hongjun Song (University of Pennsylvania)  
*Epitranscriptomic regulation in the nervous system*
- 02:25pm – 02:50pm Peng Jin (Emory University)  
*Dynamic m<sup>6</sup>A modification in neurodevelopment and diseases*
- 02:50pm – 03:15pm Kate Meyer (Duke University)

*N6-methyladenosine regulation in the brain*

03:15pm – 03:30pm Tao Pan (University of Chicago)

03:30pm – 04:00pm Coffee break

**04:00pm – 05:00pm** **Session IV – RNA modifications**  
Session Chair TBA

04:00pm – 04:15pm Bryan Dickinson (University of Chicago)  
Synthetic biology approaches to study and exploit RNA regulation

04:15pm – 04:30pm Meng Xu (Tsinghua University)  
RNA m6A methylation shaping the tumor microenvironment

04:30pm – 04:45pm Shalini Oberdoerffer (National Institutes of Health)  
Acetylation of cytidine in messenger RNA promotes efficient translation

04:45pm – 05:00pm Christopher Holley (Duke University)  
Modification of messenger RNA by 2'-O-methylation regulates gene expression

05:00pm – 06:30pm Poster session and reception

**Tuesday, 18 June 2019**

**08:45am – 11:45am** **Session IV cont'd – RNA modifications**

08:45am – 09:10am Pedro Batista (National Cancer Institute Center for Cancer Research)  
*RNA modifications and cell identity: the importance of forgetting the past to embrace the future*

09:10am – 09:25am Shizuka Uchida (University of Louisville)  
*Characterization of RNA editing in the human and murine heart in normal and disease conditions*

09:25am – 09:40am Timothy Brady (Queensland Brain Institute)  
RNA modifications in memory

09:40am – 10:00am Coffee break

10:00am – 10:25am Yungui Yang (Chinese Academy of Sciences)

10:25am – 10:50am Dan Dominissini (Tel Aviv University)  
*Controversies in epitranscriptomics*

10:50am – 11:15am Chengqi Yi (Peking University)  
*Mapping the functional mammalian epitranscriptome*

11:15am – 11:30am Alain Chariot (GIGA Institute, University of LIEGE)  
A role for the tRNA-modifying enzyme Elp3 in the immune response in the intestine

- 11.30am – 11.45am Pierre Close (GIGA Institute, University of LIEGE)  
Codon-specific mRNA translation regulation through tRNA modification in cancer
- 11.45am – 12.00pm Close
- 12:00pm – 01:00pm Lunch & Networking