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Centre culturel Saint Thomas, Strasbourg

**Conference PROGRAM**

**Thursday, March 26**

**13:00 - 14:00 *Arrival and Welcome coffee***

**14:00 - 14:15 Congress opening - Welcome address from the organizers**

**Session 1: Ribosome Structures and Decoding**

*Chair: Jean-Paul Renaud (Illkirch, France)*

**14:15 - 14:45 Marina Rodnina (Göttingen, Germany) - The EMBO Keynote Lecture**

*Decoding and recoding of genetic information by the ribosome*

**14:45 - 15:15 Daniel Wilson (Hamburg, Germany)**

*Rescue of ribosomes trapped on mRNAs without a stop codon*

**15:15 - 15:45 Eric Westhof (Strasbourg, France)**

*tRNA modifications in decoding: how to choose between two constraints*

**15:45 - 16:15 *Coffee break***

**16:15 - 16:30 Talk 1 selected from abstracts**

**16:30 - 16:45 Talk 2 selected from abstracts**

**16:45 -17:00 Talk 3 selected from abstracts**

**17:00 -17:15 Talk 4 selected from abstracts**

**17:15 - 17:45 Sebastian Leidel (Bern, Switzerland)**

*Tuning translation by (RNA) modifications*

**17:45 - 18:15 Orna Dahan (Rehovot, Israel)**

*An interplay between the tRNA and mRNA pools affect translation efficiency and accuracy*

***18:30 Dinner***

**20:00 *-* 20:30 Young scientist session**

**Chair:** **Bojan Zagrovic(Vienna, Austria)**

*Echoes from the past: RNA-protein interactions and the structure of the genetic code*

**20:30 - 20:45 Talk 5 selected from abstracts**

**20:45 – 21:00 Talk 6 selected from abstracts**

**21:00 - 23:00 Poster session**

**Friday, March 27**

**Session 2: Translational Variations and Miscoding**

*Chair: Pascale Romby (Strasbourg, France)*

**9:00 - 9:30 Zoya Ignatova (Hamburg, Germany)– The French-German University (UFA) Keynote Lecture**

*Probing dimensionality beyond the linear sequence of mRNA*

**9:30 - 10:00 Olivier Namy (Saclay, France)**

*Stop codon readthrough as a tool to study the importance of tRNA modifications during decoding by near-cognate tRNAs*

**10:00 - 10:30 *Coffee break***

**10:30 - 10:45 Talk 1 selected from abstracts**

**10:45 - 11:00 Talk 2 selected from abstracts**

**11:00 - 11:30 Ann Ehrenhofer-Murray (Berlin, Germany)**

*Queuosine tRNA modification and translational control in eukaryotes*

**12:00 - 14:00 *Lunch***

**Session 3: Evolution and Code Optimization**

*Chair: Laurence Drouard (Strasbourg, France)*

**14:00 - 14:30 Barbara Nawrot (Lódz, Poland) - FEBS National Lecture**

*Another level of epitranscriptomics - how sulfur and selenium modified uridines in tRNA anticodons recognize A and G units in mRNA codons*

**14:30 – 15:00 Bernd Moosmann (Mainz, Germany)**

*Methionine: Key substrate and regulator of mitochondrial translation controlling metabolic health*

**15:00 – 15:30** **Pierre Close (Liège, Belgium)**

*Codon-specific mRNA translation regulation through wobble tRNA modification in cancer*

**15:30 -16:00*****Coffee break***

**16:00 - 16:15 Talk 1 selected from abstracts**

**16:15 - 16:30 Talk 2 selected from abstracts**

**16:30 -16:45 Talk 3 selected from abstracts**

**16:45 -17:00 Talk 4 selected from abstracts**

**17:00 – 17:30 Juliette Godin (Strasbourg, France)**

*Modifying tRNAs: a key process to regulate brain development?*

**17:30 – 18:00****Selected from abstracts : Jean-Pierre EBEL Keynote lecture**

***18:30 Dinner***

**20:00 *-* 20:30 Young scientist session**

**Chair: Mark Helm (Mainz, Germany)**

*Natural product chemistry on a tRNA scaffold*

**20:30 - 20:45 Talk 5 selected from abstracts**

**20:45 – 21:00 Talk 6 selected from abstracts**

**21:00 - 23:00 Poster session**

**Saturday, March 28**

**Session 4: Ribosome Engineering and Code Expansion**

*Chair: Bernard Dujon (Paris, France)*

**9:00 - 9:30 Valérie de Crécy-Lagard (Gainesville, USA) - IUBMB Jubilee Lecture**

*Synthesis and function of tRNA modifications*

**9:30 - 10:00 Joseph Moran (Strasbourg, France)**

*Linked chemical evolution of metabolism, RNA and the genetic code*

**10:00 - 10:30 *Coffee break***

**10:30 - 10:45 Talk 1 selected from abstracts**

**10:45 - 11:00 Talk 2 selected from abstracts**

**11:00 - 11:30 Philippe Marlière (Evry, France)**

*Chemical evolution of genetic translation*

**11:30 – 11:45 Closing remarks**

**12:00 - 14:00 *Lunch***

**End of meeting**