Programme

Monday, December 2, 2013

8.30  Registration

9.00  Welcome by Joan J. Guinovart, IRB Barcelona Director

9.10  Introduction by Lluís Ribas de Pouplana

9:15 Plenary talk: Paul Schimmel

09.50-10.20 Coffee break and poster session

Session I: Translation Fidelity (Chair TBD)

10.20  Karin Musier-Forsyth

10.45  Manuel Santos

11.10  Selected abstract 1

11.35  Susan Martinis
Leucyl-tRNA Synthetase Fidelity Mechanisms and Antibiotic Target

12.00  Selected abstract 2

12.20 - 14.00 Lunch (FrescCo, C/ Carme, 16)

Session II: Modifications and Biology (Chair TBD)

14.00  Damien Hermand
A coordinated codon-dependent regulation of translation by Elongator

14.25  M. Eugenia Armengod
Bacterial and mitochondrial enzymatic pathways involved in the modification of the anticodon wobble uridine: Regulation and response to stress conditions
14.50  Selected abstract 3

15.15  Anders Byström
Wobble uridine modifications in eukaryotes

15.40-16.10 Coffee break and poster session

16.10  Eric Phizicky
tRNA quality control: What's a tRNA and what's not

16.35  Peter Dedon
Eukaryotes and prokaryotes respond to stress by reprogramming tRNA modifications for codon-biased translation of response proteins: A code of codons for cellular stress response

17.00  Selected abstract 4

17.20  Poster session

Tuesday, December 3, 2013

Session IV: New tRNA functions (Chair TBD)

9.00  Paul J. Anderson

09.25  Jonathan W. Yewdell
Generating MHC class I Peptide Ligands for Immunosurveillance: Exceptions or Rules?

09.50  Selected abstract 5

10.15  Tao Pan
Adaptive translation as a potential, new mechanism of adaption and stress response

10.40-11.10 Coffee break and poster session

11.10  Selected abstract 6

11.35  Susan Ackerman
Transfer RNA, Defective Translation Elongation, and Neurodegeneration

12.00  Albena Jordanova

12.25  Selected abstract 7

12.50 - 14.00 Lunch (FrescCo, C/ Carme, 16)
Session V: tRNA in disease (Chair TBD)

14.00  Sunghoon Kim

14.25  Xiang-Lei Yang

14.50  Selected abstract 8

15.15  Adrian Gabriel Torres
Characterization of the human Adenosine Deaminase Acting on tRNA (ADAT)

15.40-16.10 Coffee break and poster session

16.10  Hubert Becker
Expression and assembly of the mitochondrial energy-transducing apparatus is synchronized by a cytosolic multisynthetase complex

16.35  Michael Ibba
Oxidation of cellular amino acid pools leads to cytotoxic mistranslation of the genetic code

16:50  Selected abstract 9

17.00  Poster session

20.30  Speakers dinner

Wednesday, December 4, 2013

Session VI: tRNA in cell regulation and homeostasis (Chair TBD)

09.00  Magali Frugier
Malaria Sporozoites import exogenous tRNAs

09.25  Philippe Pierre
Impact of tRNA modifying enzymes on immune functions

09.50  Selected abstract 10

10.15  Thomas J. Begley
Translational Fidelity and the Wobble Uridine: Potential and Identified Changes in Both During the Cell Cycle and Stress Responses

10.40-11.10 Coffee break and poster session

11.10  Javier Martinez
tRNA metabolism: Mechanisms, Biology and Disease
Adélaïde Saint-Leger

tRNA Glycine and the positive selection of ANN anticodon due to the emergence of heterodimeric ADATs

12.00 Selected abstract 11

12.25 Concluding remarks: Peter Dedon