

Mitochondria at the crossroad

(winter school)

8 December 2017

Léon Hirth Conference Room, IBMP

12, rue Général Zimmer , 67000 Strasbourg, France

Program:

Anna SMIRNOVA (MitoCross)

Landscaping of the human mitochondrial RNome by CoLoC-seq and super-resolution microscopy

Gaétan BADER (MitoCross)

Engineering of a Split-GFP of dual genetic inheritance for the study of cytosolic proteins relocating to mitochondria

Audrey VINGADASSALON (MitoCross)

Targeting of cytosolic mRNAs to the mitochondrial surface: upstream uAUGs in 5'UTR reduce mitochondrial association and translation

Arnaud FERTET (MitoCross)

Creating GMO-free plant genetic diversity: Recombination-based engineering of the mitochondrial genome

Anthony GOBERT (MitoCross)

Diversity of NYN nucleases in Arabidopsis

Elena GONZALEZ-SERRANO (MitoCross)

New insights in mitochondrial aminoacyl-tRNA synthetases and human diseases

Invited speakers :

Hakim MIREAU (INRA, Versailles)

Functional diversity among organellar ribosomal-like proteins in Arabidopsis

Agnès RÖTIG (IMAGINE, Paris)

How anomalies of mechanisms as different as mitochondrial CoA synthesis, Fe-S cluster assembly, phospholipid remodeling or endosome recycling result in abnormal iron homeostasis?

Robert Neil LIGHTOWLERS (Newcastle Neurology School, UK)

Translation in mitochondria

Zofia CHRZANOWSKA-LIGHTOWLERS (Newcastle Neurology School, UK)

Human mitoribosomes – their idiosyncrasies in structure and behaviour

Several selected external short talks

Organized by the Labex MitoCross
(Programme Investissement d'Avenir)

<http://mitocross.unistra.fr>

Contact : i.tarassov@unistra.fr



MITO
CROSS