

First International Workshop on Well-Aging and the Tanycytic Control of Health

Organizer: Vincent Prévot

**27th – 28th June 2022
Monash University
Prato Centre
Via Pugliesi, 26,**



PROGRAM

PROGRAM

MONDAY 27th JUNE

Session 1 (Sala Teatro, 2nd Floor)

Chair: Akila Chandrasekar

09:00 – 09:40 **Markus Schwaninger** (Institute for Experimental and Clinical Pharmacology and Toxicology, University of Lübeck, Lübeck, Germany)

Title: 'Tanycytes control thyroid hormone regulation'

09:40 – 10:20 **Frederic Flamant** (Functional Genomics of Thyroid Hormone Signaling, Institut de Génomique de Lyon, ENS Lyon, France)

Title: 'Thyroid hormone as a temporal switch in development and later'

10:20 – 10:50 **COFFEE BREAK**
(Sala Specchi)

Session 2 (Sala Teatro, 2nd Floor)

Chair: Cristina Iglesias

10:50 – 11:30 **Ruud Buijs** (Instituto de Investigaciones Biomedicas, Universidad Nacional Autonoma de Mexico, Mexico)

Title: 'Suprachiasmatic – Arcuate Nucleus interaction is essential for physiological balance in hormones and metabolites'

11:30 – 12:10 **Daniela Fernandois** (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

Title: 'Tanycytes, new tricks for an old GnRH neuron partner'

12:10 – 13:30 **LUNCH**
(Sala Specchi)

13:30 – 13:50 **GROUP PHOTO**
(Ground Floor Courtyard)

Session 3 (Sala Teatro, 2nd Floor)

Chair: Ines Martinez-Corral (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

13:50 – 14:30 **Cristina Garcia Caceres** (Helmholtz Munich & LMU, Munich, Germany)

Title: 'Feeding control by hypothalamic astrocytes'

14:30 – 15:10 **Ariane Sharif** (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

Title: 'Postnatal gliogenesis as a new player in the control of reproduction'

15:10 – 15:30 **Coffee Break**
(Sala Specchi)

Session 4 (Sala Teatro, 2nd Floor)

Chair: Eleonora Deligia (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

15:30 – 16:10 **Monica Imbernon** (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

Title: 'Tanycytes control hypothalamic liraglutide uptake and its anti-obesity actions'

16:10 – 16:50 **Jens Brüning** (Max Planck Institute for Metabolism Research, Cologne, Germany)

Title: 'Insulin action and resistance in tanycytes'

PROGRAM

TUESDAY 28th JUNE

Symposium 5 (Sala Teatro, 2nd Floor)

Chair: Daniela Fernandois (Development and Plasticity of the Neuroendocrine Brain, LiNCog, Lille, France)

09:00 – 09:40 **Franck Oury** (Integrative neurobiology, Institut Necker Enfants Malades, Paris, France)

Title: 'Identification of a novel hypothalamic endocrine/paracrine pathway regulating feeding behavior via neuronal autophagy'

09:40 – 10:20 **Carmelo Quarta** (Inserm U1215, University of Bordeaux, Neurocentre Magendie, France)

Title: 'Single-cell mapping of POMC neurons in obesity reveals novel subtypes with atypical identity'

10:20 – 10:50 **COFFEE BREAK**
(Sala Specchi)

Session 6 (Sala Teatro, 2nd Floor)

Chair: Helge Müller-Fielitz (Institute for Experimental and Clinical Pharmacology and Toxicology, University of Lübeck, Lübeck, Germany)

10:50 – 11:30 **Marc Claret** (Neuronal Control of Metabolism Laboratory, Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona, Spain)

Title: 'Sensory activation of POMC neurons is mediated by glycogen: Implications for energy and glucose homeostasis'

11:30 – 12:10 **Manon Rivagorda** (Integrative neurobiology, Institut Necker Enfants Malades, Paris, France)

Title: 'Autophagy mediates the hormonal regulation of neuronal homeostasis and brain aging'

12:10 – 13:45 **LUNCH**
(Sala Specchi)

Session 7 (Sala Teatro, 2nd Floor)

Chair: Violeta Heras (CiMUS, Universidade de Santiago de Compostela, Santiago de Compostela, Spain)

13:45 – 14:25 **Julie Dam** (Functional Pharmacology and Pathophysiology of Membrane Receptors, Institut Cochin, INSERM, CNRS, University Paris Cite, Paris, France)

Title: 'Regulation of the adipose tissue function by an atypical G protein coupled receptor'

14:25 – 15:05 **Malu Martinez-Chantar** (Liver Disease Lab, Center for Cooperative Research in Biosciences - CIC bioGUNE, Derio, Spain)

Title: 'Neddylation a master switch in response to metabolic stress'

15:05 – 15:25 **Coffee Break**
(Sala Specchi)

Session 8 (Sala Teatro, 2nd Floor)

Chair: Monica Imbernon (Development and Plasticity of the Neuroendocrine Brain, LilNCog, Lille, France)

15:25 – 16:05 **Ruben Nogueiras** (CiMUS, Universidade de Santiago de Compostela, Santiago de Compostela, Spain)

Title: 'Reprogramming metabolism of peripheral glial cells in liver fibrosis'

16:05 – 16:45 **Sebastien Bouret** (Development and Plasticity of the Neuroendocrine Brain, LilNCog, Lille, France)

Title: 'Developmental programming of hypothalamic feeding circuits'

16:45 – 17:00 **Discussion and Conclusion - Vincent Prévot**

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