

Detailed program

MONDAY, SEPTEMBER 16, 2024

10h00 - 13h00 // Welcoming participants and registration

Entrance hall - Hôtel Saint Paul

10h00 - 13h00 // SNE Scientific Committee

Salon Bonnard - Hôtel Saint Paul

13h30 - 14h00 // Opening ceremony

Salon Bréa - Hôtel Saint Paul

14h00 - 16h00 // Symposium 1 - "**Sexual dimorphism in neuroendocrinology**"

Chairs: Agnès Nadjar (Bordeaux, France), Carmelo Quarta (Bordeaux, France)

14h00-14h30 **S1.1 Manuel Tena-Sempere** (Cordoba, Espagne)

Sex differences in the neuroendocrine control of puberty: Current knowledge and open questions

14h30-15h00 **S1.2 Agnès Nadjar** (Bordeaux, France)

Sexual dimorphism in microglial nutrient sensitivity

15h00-15h30 **S1.3 Alexandre Caron** (Québec, Canada)

Hypothalamic and Autonomic Control of Metabolism: Does Sex Matter

15h30-16h00 **S1.4 Deborah M. Kurrash** (Calgary, Canada)

Sex differentiation programs of the embryonic hypothalamus

Salon Bréa - Hôtel Saint Paul

16h00 - 16h30 // Coffee break ☕

Outdoor patio Salon Bréa - Hôtel Saint Paul

16h30 - 17h30 // Flash Talks

Chairs: Elodie Desroziers (Paris, France), Alexandre Benani (Dijon, France)

16h30-16h35 **PF.1 Marie Barbier** (Lausanne, Suisse)

Untangling the complexity of POMC neurocircuits: anatomic, genetic and functional perspectives.

16h35-16h40 **PF.2 Ludovica Cotellessa** (Lille, France)

Exposure to high anti-Müllerian hormone (AMH) levels during mini-puberty in mice induces Polycystic Ovary Syndrome-like defects in both sexes.

16h40-16h45 **PF.3 Eleonora Deligia** (Lille, France)

Inhibition of transcytosis in tanycytes alters energy and glucose homeostasis.

16h45-16h50 **PF.4 Louise Eygret** (Bordeaux, France)

Olfaction and feeding behaviour: Neuronal substrates underlying odour modulation of food intake regulating neuronal circuits.

16h50-16h55 **PF.5 Thomas Ferrand** (Rouen, France)

Neurosecretion is finely tuned by molecular actors sorted at the Golgi membrane level in neuroendocrine cells.

16h55-17h00 **PF.6 Justine Fredoc-Louison** (Paris, France)

Perinatal exposure to BBPA interferes with the establishment of the thyroid axis at young age and the ability to cope with metabolic challenges in adulthood.

17h00-17h05 **PF.7 Chloé Glachet** (Liège, Belgique)

Transgenerational alterations of energy balance and hypothalamic melanocortin system caused by a mixture of endocrine disrupting chemicals in rats.

17h05-17h10 **PF.8 Emma Grosjean** (Strasbourg, France)

Impact of nighttime light pollution on female metabolism in a diurnal animal model.

17h10-17h15 **PF.9 Marina Habib** (Lyon, France)

Modulation of intestinal gluconeogenesis by the perinatal nutritional environment.

17h15-17h20 **PF.10 Amélie Joly** (Lyon, France)

Sex-dependent developmental and physiological trade-offs in response to juvenile malnutrition.

17h20-17h25 **PF.11 Clarisse Quignon** (Washington, United States)

Effect of maternal hypothyroidism during gestation on the development of GnRH neurons in the offspring.

17h25-17h30 **PF.12 Audrey Turmel** (Québec, Canada)

Noradrenergic control of proopiomelanocortin neurons.

Salon Bréa - Hôtel Saint Paul

17h30 // End of the day

19h00 - 20h00 // General Public Conference

"Obesity: a disease of our civilization with multiple causes and uncertain cures"

Jean-Louis Nahon (Valbonne, France)

Chairs: Carole Rovère (Valbonne, France)

Centre Universitaire Méditerranéen

20h00 // Aperitif Dinner 🍷

Centre Universitaire Méditerranéen

TUESDAY, SEPTEMBER 17, 2024

9h00 - 11h00 // Symposium 2 - **"Therapeutic neuroendocrine strategies in Alzheimer's disease"**

Chairs: Laurent Givalois (Montpellier, France), Emmanuel Planel (Québec, Canada)

- 9h00-9h30 **S2.1 Geoffrey Canet** (Montpellier, France / Québec, Canada)
Is Alzheimer's disease a stress-related disorder? Focus on the therapeutic potential of selective glucocorticoid receptors modulators.
- 9h30-10h00 **S2.2 Frédéric Calon** (Québec, Canada)
How metabolic hormones interact with the brain: therapeutic applications for Alzheimer's disease.
- 10h00-10h30 **S2.3 Maud Gratuze** (Marseille, France)
Unveiling the Brain's Chubby Secrets: Disrupted cholesterol and Lipid metabolism in Alzheimer's Disease.
- 10h30-11h00 **S2.4 Emmanuel Planel** (Québec, Canada)
Unveiling the thermoregulatory nexus: Exploring the intricate interplay between temperature dysregulation and Alzheimer's disease pathogenesis.

Salon Bréa - Hôtel Saint Paul

11h00 - 11h30 // Coffee break ☕

Outdoor patio Salon Bréa - Hôtel Saint Paul

11h30 - 12h30 // Poster Session (even numbers)

Outdoor patio Salon Bréa - Hôtel Saint Paul

12h30 - 13h30 // Lunch 🍽️

Restaurant - Hôtel Saint Paul

13h30 - 14h30 // Oral Communications

Chairs: Stéphanie Fulton (Montréal, Canada), Stéphane Gasman (Strasbourg, France)

- 13h30-13h45 **OC.1 Camille Allard** (Bordeaux, France)
Unravelling the role of mitochondria-associated cannabinoid receptors type 1 (mtCB1) in glucose homeostasis: unexpected new partners for insulin secretion.
- 13h45-14h00 **OC.2 Fernando Cazarez-Marquez** (Tromsø, Norvège)
c-fos induction in the choroid plexus, tanycytes and pars tuberalis is an early indicator of spontaneous arousal from torpor in a deep hibernator.
- 14h00-14h15 **OC.3 Mélodie Devere** (Rouen, France)
Glucose homeostasis and energy metabolism are impaired in orexins deficient mice.
- 14h15-14h30 **OC.4 Manon Duquenne** (Montréal, Canada)
Regulating corticosterone secretion: is it a fo(u)r stars service?

Salon Bréa - Hôtel Saint Paul

14h30 - 15h00 // Coffee break ☕

Patio extérieur Salon Bréa - Hôtel Saint Paul

15h00 - 16h00 // General Assembly

Salon Bréa - Hôtel Saint Paul

16h00 // End of the day

17h00 // Activities (SENSAS, Vieux Nice visit, Lazaret Cave visit)

WEDNESDAY, SEPTEMBER 18, 2024

9h00 - 10h00 // Claude Fortier Lecture

"Susceptibility to modern food environment: a role for brain lipid sensing?"

Serge Luquet (Paris, France)

Chairs: Sakina Mhaouty-Kodja (Paris, France), William Rostène (Paris, France)

Salon Bréa - Hôtel Saint Paul

10h00 - 10h30 // Coffee break ☕

Outdoor patio Salon Bréa - Hôtel Saint Paul

10h30 - 12h30 // Symposium 3 - "New insights in the central action of thyroid hormones"

Chairs: Marie-Pierre Moisan (Bordeaux, France), Xavier Bonnefont (Montpellier, France)

10h30-11h00 **S3.1 Karine Gauthier** (Lyon, France)

Thyroid hormone control of thermogenesis: a dialog between the hypothalamus and the periphery.

11h00-11h30 **S3.2 Daniel Bernard** (Montréal, Canada)

Mechanisms of central hypothyroidism in IGSF1-deficiency syndrome.

11h30-12h00 **S3.3 Xavier Bonnefont** (Montpellier, France)

Alteration of the central circadian clock during hypothyroidism.

12h00-12h30 **S3.4 Rachel Gineis** (Bordeaux, France)

Memory deficit in mice fed a high fat high sucrose diet during adolescence linked to hypothyroidism in hippocampus.

Salon Bréa - Hôtel Saint Paul

12h30 - 13h30 // Lunch 🍴

Restaurant - Hôtel Saint Paul

13h30 - 14h30 // Poster Session (odd numbers)

Outdoor patio Salon Bréa - Hôtel Saint Paul

14h30 - 15h30 // Symposium 4 Young Researcher - "Maternal effect on plasticity of neuroendocrine functions"

Chairs: Rachida Ammari (Londres, Royaume-Uni), Cristina Miralpeix (Bordeaux, France), Clara Sanchez (Valbonne, France)

14h30-14h50 **S4.1 Rachida Ammari** (Londres, Royaume-Uni)

Hormone-mediated neural remodeling orchestrates parenting onset during pregnancy.

14h50-15h10 **S4.2 Roberta Haddad Tovolli** (Barcelona, Spain)

Neuronal circuits underlying maternal dietary habits and the programming of offspring health.

15h10-15h30 **S4.3 Marialetizia Rastelli** (Lille, France)

Maternal gut microbiome alteration has enduring effects on offspring's metabolic programming and neuroendocrine plasticity.

Salon Bréa - Hôtel Saint Paul

15h30 - 16h00 // Coffee break ☕

Outdoor patio Salon Bréa - Hôtel Saint Paul

16h00 - 17h00 // Oral Communications

Chairs: Amandine Gautier-Stein (Lyon, France), Paolo Giacobini (Lille, France)

16h00-16h15 **OC.5 Judith Estrada-Meza** (Lausanne, Suisse)

Local translation as a molecular mechanism underlying tanycyte-neuron communication for energy balance regulation.

16h15-16h30 **OC.6 Charlotte Jacquinet** (Liège, Belgique)

Effects of in utero high fat and high sucrose diet exposure on postnatal growth and pubertal development.

16h30-16h45 **OC.7 Alicia Sicardi** (Lille, France)

GnRH, a fertile new pathway for the regulation of food intake.

16h45-17h00 **OC.8 Thomas Torres** (Paris, France)

Effects of minipuberty disruption on the expression of sexual behavior in female mice.

Salon Bréa - Hôtel Saint Paul

17h00 - 18h00 // SNE « Early Career» Prizes

Chairs: Patricia Parnet (Nantes, France) ; Sébastien Bouret (Lille, France)

17h00-17h30 **Thesis Prize Clara Sanchez**

Dietary fatty acid composition drives neuroinflammation and impaired behavior in obesity.

17h30-18h00 **SNE Prize Cristina Miralpeix**

Hypothalamic POMC neurons control competing behaviours.

Salon Bréa - Hôtel Saint Paul

18h00 // End of the day

19h00 // Bus Transfert 🚌

19h30 // Gala Dinner 🍷

Citadel of Villefranche-sur-Mer

THURSDAY, SEPTEMBER 19, 2024

9h00 - 9h30 // Homage to Denis Richard

By **Alexandre Caron** (Québec, Canada)

Salon Bréa - Hôtel Saint Paul

9h30 - 10h30 // Jacques Benoît Lecture

"The amazing molecular diversity of hypothalamic neurons: Tackling mechanisms one neuron at a time."

Denise Belsham (Toronto, Canada)

Chairs: Daniela Cota (Bordeaux, France), Youssef Anouar (Rouen, France)

Salon Bréa - Hôtel Saint Paul

10h30 - 11h00 // Coffee break ☕

Outdoor patio Salon Bréa - Hôtel Saint Paul

11h00-13h00 // Symposium 5 - **"Neuro-modulator systems regulating metabolism"**

Chairs: Virginie Tolle (Paris, France), Alexandre Caron (Québec, Canada)

11h00-11h30 **S5.1 Natalie Michael** (Québec, Canada)

Histamine: at the nexus of sleep and metabolism.

11h30-12h00 **S5.2 Stéphanie Fulton** (Montréal, Canada)

Leptin modulation of motivation and mood.

12h00-12h30 **S5.3 Xavier Fioramonti** (Bordeaux, France)

Serotonergic neurons are involved in the counter-regulatory response to hypoglycemia.

12h30-13h00 **S5.4 Jérôme Leprince** (Rouen, France)

From chemistry to neuroendocrinology: tools and breakthroughs in the understanding ODN role in the hypothalamic regulation of energy homeostasis.

Salon Bréa - Hôtel Saint Paul

13h00 - 13h30 // Closing ceremony

Salon Bréa - Hôtel Saint Paul

13h30 // Packed Lunch 🍱

Salon Bréa - Hôtel Saint Paul

