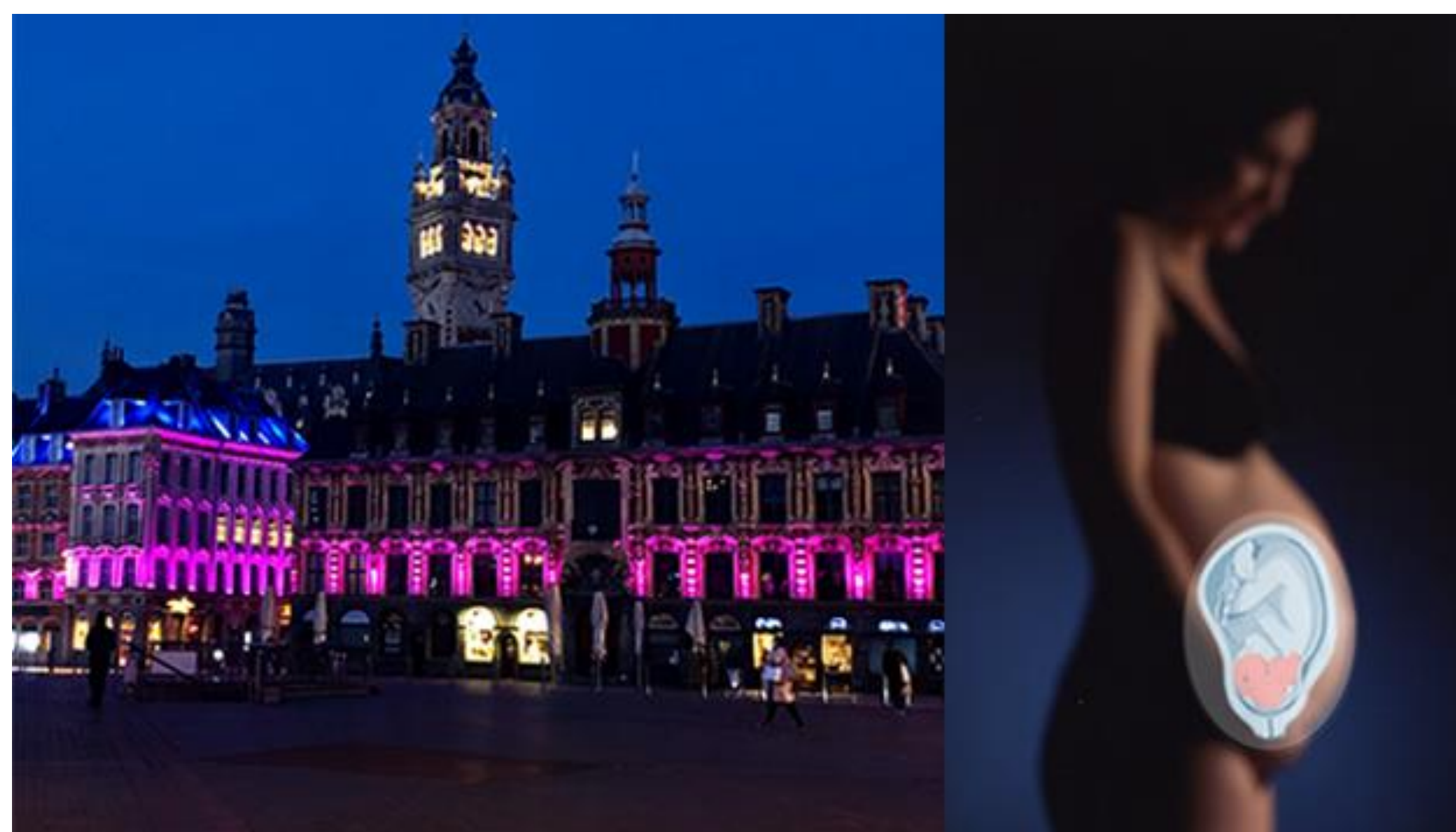


Lifelong effects of early life experiences on brain and behavior



a satellite event of the

FENS
Forum 2022

9-13 July 2022 | Paris, France

Organizers



Paolo Giacobini



Sebastien Bouret

Location

Lille, France
LILLIAD Learning center
Innovation
University of Lille
Avenue Henri Poincaré



- 1h TGV train from Paris city center or Paris CDG airport
- 1.5h from London by Eurostar
- 35 mins from Brussels and less than 3h from Amsterdam by Thalys

Date

Friday July 8 2022 from 9 am to 5 pm

Scientific Program & Speakers

It has been known for more than a century that the early life is a source of adult psychopathologies. However, the mechanisms underlying the enduring impact of early life experiences (such as nutrition, stress, and hormonal prenatal imbalances) on neurodevelopmental disorders still remain largely unknown. This satellite event will give an overview of our current knowledge on the neurodevelopmental, molecular, and epigenetic substrates mediating the effects of perinatal insults on neurobiological and behavioral outcomes ranging from metabolic and reproductive disorders to autism and Alzheimer's disease.

• Epigenetic neuroprogramming session

Paolo Giacobini, INSERM U1172, Lille Neuroscience & Cognition, Lille, France. Prenatal programming of polycystic ovary syndrome and central hypothalamic changes underlying the transmission of the syndrome

Sophie Layé, NutriNeuro INRAE Lab, Bordeaux, France. Early-life deficiency in polyunsaturated fatty acids, a risk factor for neurodevelopmental disorders

• Neuroendocrine programming session

Marc Claret, Neuronal control of metabolism laboratory, Hospital Clinic Barcelona, Spain. Impact of maternal obesity on the hypothalamic transcriptome

Sebastien G. Bouret, INSERM U1172, Lille Neuroscience & Cognition, Lille, France Hormonal and nutritional regulation of hypothalamic development

• Environmental influences on brain programming session

Sophie Steculorum, Max Plank Institute for Metabolism Research, Koln, Germany. Development of neurocircuits of food sensory perception

Pr. Anne-Simone Parent, GIGA Neuroscience Institute, Liège, Belgium. Impact of perinatal exposure to endocrine disrupting chemicals on the neuroendocrine control of reproduction

• Behavior programming session

Francoise Muscatelli, Institut de Neurobiologie de la Méditerranée, Marseille, France. Neonatal oxytocin actions on lifelong behavior

Alexandros Tsompanidis, Departments of Psychology and Psychiatry University of Cambridge, Cambridge, UK. Effect of prenatal androgen excess in the appearance of autistic traits in the progeny

Registration [Deadline: April 30, 2022]

Student	Non-student (post-doc, PI, etc)
30 euros	50 euros

Registration fees include participation to the whole satellite event, coffee breaks, lunch

To register. Please fill the attached form to sebastien.bouret@inserm.fr and send registration fees via the secured link below:

https://secure.payzen.eu/vads-site/INSERM_LIL