

Neurological and sensory disorders: genes, pathogenesis & innovative therapies

Open Medical Institute (OMI): Salzburg,
March 13-19, 2022

This OMI course aims to promote an international exchange on fundamental and medical knowledge and advancements in the field of sensorineural degenerative disorders:

- How our brain and sensory organs work, what happens when either system fails?
- Impact of ageing and external factors on our senses and cognition?
- Conventional and innovative therapies to the sensory and neurological disorders?

Objectives of the course:

By bringing together scientists and clinicians with a broad array of expertise, our specific aims will be to:

- highlight progress and provide up-to-date discoveries and insights in neurological (e.g. autism, ...) and sensory (e.g. vision & hearing) disorders by inviting select experts in the field.
- promote and facilitate transversal interactions between basic scientists, translational scientists and clinicians with related interests and offer networking opportunities with field experts.
- foster the development of new research ideas through the exchange of concepts and methods between seemingly distinct fields (cognition, hearing and vision) to allow novel diagnostic and therapeutic strategies for these disorders.

Online registration:

www.pasteur.fr/en/neurological-and-sensory-disorders

Director:

Aziz El-Amraoui

Co-organizers:

Deniz Dalkara, Guillaume Dumas

Program of the course:

The program includes keynote lectures, plenary sessions, and four round tables.

Session 1: Perception and cognition in health

Session 2: Neurological disorders

Session 3: Audition and vision in health

Session 4: Audition- and/or vision-related disorders

Session 5: Impact of ageing and external factors (e.g. noise, light, ...) on our senses and cognition

Session 6: Conventional and innovative therapies for sense and neurological disorders

Round tables:

- Open science: Tools for Neuro-Sensory Precision Medicine
- Diagnoses of Cognitive and Sensory Rare Diseases and Genetic Counselling
- Environment and Healthy aging: (e.g. noise exposure, presbycusis, AMD)
- Sense and Brain Therapies: Today and Tomorrow

Practical information:

Deadline for application: Nov. 30, 2021

Attendees: 36 students

Duration: 1 week