

# PROGRAMM

## Theoretical Sessions

### ◇ **Understanding psychiatric disorders in clinical psychiatry** **- Chair: Bernhard Baune**

Psychopathology, clinical presentation and risk factors of mental illness. - *Alessandro Serretti*

Psychological and psychotherapeutic approaches to mental illness. - *Alessandra Minelli*

Psychiatric management and psychopharmacological treatments of patients. - *Bernhard Baune*

### ◇ **Neuroimaging insight into psychiatric disorders and suicidality** **- Chair: Giuseppe Fanelli**

The neuroimaging correlates of suicidal thoughts and behaviors in mood disorders. - *Anjali Sankar*

Role of neuroimaging in understanding the biological basis of psychiatric disorders. - *Francesco Benedetti*

### ◇ **Introduction on genetics and the use of polygenic models in evaluating risks** **- Chair: Marie-Claude Potier**

Psychiatric genetics, that sounds complex. - *Evelien Van Assche*

From genes to drugs: are we ready for pharmacogenetics implementation in bipolar disorder?  
- *Alessio Squassina*

Decoding the Molecular Echoes of Early Life Stress: Unraveling the miR-99b-5p and Zbp1 Pathway in Schizophrenia and Neuroinflammation. - *Lalit Kaurani*

### ◇ **Introduction to pharmacogenomics in major psychiatric disorders and suicidal phenotypes** - **Chair: Mara Dierssen**

Pharmacogenomics of psychiatric disorders/suicide phenotypes and treatment resistance. - *Mara Dierssen*

Utility of pharmacogenomics-guided testing to optimise antidepressant treatment in major depressive disorder: limitations and future opportunities.  
- *Alessandra Minelli*

Gene expression regulation in the blood: can we detect biomarkers of psychiatric disorders?  
- *Marie-Claude Potier*

Extracellular vesicles as a novel source of biomarkers of response to treatment in psychiatric disorders. - *Claudia Pisanu*

## Practical Sessions

### ◇ **Understanding psychiatric phenotypes in clinical psychiatry.**

**A) molecular and genomic principles**

**B) imaging of psychiatric phenotypes in clinical psychiatry**

o In small groups

o Hands-on session on morphological and functional brain MRI (MRI) traits relevant to suicidal behavior imaging

o Analyzing genetic and transcriptomics datasets including polygenic score analyses.

### **... and more**

#### ◇ **Keynote lecture by *Pier-Vincenzo Piazza***

Translating basic research in the pathophysiology of addiction to a new pharmacological class and a potential new treatment of cannabis addiction.

#### ◇ **Presentations of student projects**

#### ◇ **Awards ceremony**

#### ◇ **Social events**