The activation of the immune system is implicated in many physiological processes that include, among others, the defense against pathogens. Conversely, an excessive activation of the immune system can lead to tissue damage and, in some cases, to autoimmune disorders. Surprisingly, in the past years, it became clear that the activation of the immune system is a key feature not just in autoimmune disorders, but also in disorders affecting the central nervous system considered as psychiatric or neurodegenerative, such as psychosis, autism and dementia.

In this workshop, we will explore the most recent evidences that highlight the importance of the immune system in this unexpected group of diseases, analysing the clinical implication and the pathogenic relevance.

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**PROGRAM**

**Chairpersons**
Matteo Gastaldi, Daisy Sproviero
IRCCS Mondino Foundation (Pavia)

**14.30 PM**
Greetings from the Scientific Director
Fabio Blandini

**14.40 PM**
Introduction
Matteo Gastaldi, Daisy Sproviero
IRCCS Mondino Foundation (Pavia)

**14.50 PM**
Anti neuronal antibodies in psychiatric syndromes: a critical overview
Tom Pollak
King’s College, London, UK

**15.20 PM**
Recent evidence for the role of immune system in the pathogenesis of Psychosis
Paolo Enrico
Polliclinico Ca Granda, Milano

**15.50 PM**
Break

**16.00 PM**
NLRP3 inflammasome activation and the progression of Alzheimer’s disease
Roisin McManus
German Center for NeurodegenerativeDiseases (DZNE), Bonn

**16.30 PM**
The role of the immunological mechanisms in the pathogenesis of autism spectrum disorders
Alessandra Carta
UNISS, Università degli Studi di Sassari

**17.00 PM**
Best Paper 2020
IRCCS Mondino Foundation

**17.30 PM**
Closing of the Conference