

## **Prof. Francesca Spyrakis – Short Bio and Talk Title**

University of Turin, Department of Drug Science and Technology, HBP Covid-19 Project BRAVE

### **Talk title:**

In silico design of novel NLRP3 allosteric inhibitors to fight neuroinflammation and neurodegeneration

### **Bio:**

Francesca Spyrakis is full professor of medicinal chemistry at the Department of Drug Science and Technology of the University of Turin. She works in the field of in silico drug design and discovery, applying and developing new methodologies for the identification of biologically active small molecules. Her research is mainly focused on the identification of new treatments and strategies to counteract antimicrobial resistance, and to inhibit the neuroinflammation associated to neurodegeneration. She is author of more than hundred contributions in international journals and books.

She's the PI of the HBP-funded project BRAVE: "Protecting the brain from COVID-19-mediated neurodegeneration through inflammasome inhibition".