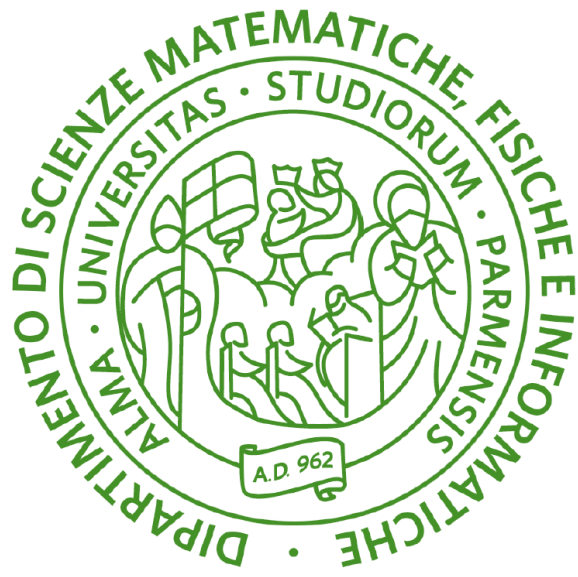# Mapping the Complexity of the Food Systems: Insights and Innovations from the Foodome Project
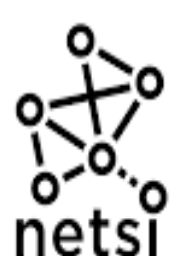
Parco Area delle Scienze 27/A
Plesso di Farmacia
Room I

Wednesday February 26
11 am – 1 pm

Dr. Giulia Menichetti

Dr. Menichetti is a statistical and computational physicist specializing in Network Science. She leads the Foodome project, which aims to track the complete chemical complexity of the food we consume and develop quantitative tools to reveal the mechanistic impact of these chemicals on our health. Her lab at the Channing Division of Network Medicine (Brigham and Women's Hospital) and Harvard Medical School innovates methods to predict the bioactivity of food small molecules and designs reproducible food quality metrics and public health interventions powered by AI.

In 2022, Dr. Menichetti was selected by the Rockefeller Foundation and Acumen Academy for the inaugural cohort of the Food Systems Fellowship, a one-year program supporting 20 global leaders tackling the complexity of food systems. Most recently, she received the 2023 Junior Scientific Award from the International Complex Systems Society for "initiating the complexity science of food with wide-reaching implications for health research," and the 2024 Chair's Research Award from the Brigham and Women's Hospital.