



P A D O V A
neuroscience
C E N T E R

14 DECEMBER 2023, 3:00 pm

SALA SEMINARI VIMM

(Via Giuseppe Orus 2, Padova)

PNC SEMINARS

A talk by **Enrico Collantoni (University of Padova)**

**INTEGRATING NEUROBIOLOGY, COGNITION, AND
BEHAVIOR IN ANOREXIA NERVOSA:
A COMPREHENSIVE PERSPECTIVE IN CLINICAL AND
RESEARCH CONTEXTS**

Anorexia nervosa is a severe psychiatric disorder that involves a complex interplay between neurodevelopment and neuroprogression. In recent years, many efforts have been made to disentangle these mechanisms within a neurobiological realm. Here, I will aim to provide an overview of these aspects, focusing on the advancements in structural neuroimaging and connectomic studies. Furthermore, I will endeavor to elucidate some specific experimental approaches to elucidate two nuclear symptomatic dimensions of this disorder – caloric restriction and body image distortion – employing cognitive and behavioral assessment methodologies, including app-based tools and virtual reality technology.

Biography

Enrico Collantoni is a researcher (RTD-B) at the Department of Neuroscience of the University of Padova.

He graduated in Medicine and Surgery in 2010 and completed his residency in Psychiatry in 2016 at the University of Padova. He completed a Ph.D. in neurosciences at the University of Padua in 2019 with a thesis on a MRI evaluation of the structural brain patterns in anorexia nervosa. During his residency and Ph.D., he spent two internship periods at the neuroimaging Unit of the University of Salerno and at the Neurophysiology & Interventional Neuropsychiatry section of the University Clinic of Psychiatry of the University of Tübingen.

He participates in numerous national and international research collaborations and is an active member of the Enhancing Neuroimaging Genetics through Meta-analysis (ENIGMA) Consortium – Eating Disorders working group. His research interest entails the neural mechanisms underlying eating behaviors and the pathophysiology of eating disorders. In his research activity, he employs neuroimaging techniques and cognitive/behavioral assessment methods using mobile applications and virtual reality.