Prof. Nadia D'Ambrosi
Email:nadia.dambrosi@uniroma2.it;
nadia.dambrosi@uniroma2.eu
Phone: 0039-0672594244
Receiving hours: by appointment via email or Teams (room 007, sector L, level 1)

Curriculum Vitae
Education:
- Biology degree (1998) 110/110 cum laude. University of Rome La Sapienza
- PhD in Neuroscience (2003). University of Rome Tor Vergata

Positions
- 2019-present: Member, Doctoral School Faculty, PhD in Molecular & Cellular Biology, University of Rome Tor Vergata, Italy.
- 2019-present: Associate Professor in Biochemistry, University of Rome Tor Vergata, Italy
- 2016-2019: Assistant Professor in Biochemistry, University of Rome Tor Vergata, Italy
- 2013-2016: Assistant Professor in Applied Biology, Catholic University of the Sacred Heart, Rome Italy
-2009-2013: Research Assistant, National research Council/IRCCS Santa Lucia Foundation, Rome Italy

Main research interests during the last years:
I have long-standing expertise in experimental models of neurodegeneration, with a particular focus on the molecular mechanisms of pathophysiology and neuron–glia interactions. My last years research integrates molecular biology and biochemistry with both cellular and animal models of Duchenne Muscular Dystrophy (DMD), amyotrophic lateral sclerosis (ALS), and Friedreich's Ataxia (FRDA). In DMD my group is investigating the role of the pro-inflammatory protein S100A4 in macrophage–muscle cell crosstalk. In ALS, we explore the contribution of chronic inflammation and fibrosis to disease progression and assess the therapeutic potential of anti-inflammatory and anti-fibrotic treatments. In addition, we investigate alterations in alternative splicing regulation in ALS. Our contribution centers on restoring splicing balance through intracerebroventricular delivery of splice-switching antisense oligonucleotides in vivo. In the field of FRDA we are study the microglial involvement in cerebellar synaptic dysfunction, using both mouse models of FRDA and microglia derived from patients' iPSCs.

Publications: I am author of more than 60 papers in international journals indexed by PubMed (H index 34). SCOPUS: Author ID: 6602946441; ORCID: http://orcid.org/ 0000-0002-6646-7653

Grants: my laboratory is currently supported by AFM-Telethon, Friedreich's Ataxia Research Alliance (FARA), NextGEeneration EU and Ministry of University and Research (MUR), National Recovery and Resilience Plan (PNNR), (grants PRIN PNRR 2022, PE Mnesys, PRIN 2022)

Other

-2021-present: member of the Editorial Board of Cells (https://www.mdpi.com/journal/cells/editors); Reviewer Editor for Frontiers in Molecular Neuroscience (https://loop.frontiersin.org/people/175835/overview)
-2020-present: member of the Editorial Board of NeuroSci (https://www.mdpi.com/journal/neurosci/editors)