

CURRICULUM VITAE

Ilham El Atiallah

General Information

Full Name: **Ilham El Atiallah**

Citizenship: Italian / Moroccan

E-mail: ilham.elatiallah@unicamillus.org

Spoken Languages: Arabic, Italian, English, French

Appointments

2024 – Current — UniCamillus International Medical University

Tenure-track researcher (RTT). Research on basal ganglia physiopathology in movement disorders (dystonia, Parkinson's disease). Teaching in the Department of Medicine.

2024 – 2025 — UniCamillus International Medical University

Research grant (PRIN2022). Project investigating torsinA (TA) protein in dopaminergic signaling in the striato-pallidal circuit.

2024–2025 — UniCamillus International Medical University

Adjunct Professor of Human Anatomy– BIOS-16 International Medical University
Unicamillus, Rome

2023 – 2024 — Santa Lucia Foundation IRCCS, Rome

Post-doctoral Research Fellow. PNRR project on GPCR–cAMP pathways in central nervous system genetic disorders.

2019 – 2023 — Santa Lucia Foundation IRCCS, Rome and University of Rome Tor Vergata

PhD project. Study of dopaminergic signaling in a DYT-GNAL dystonia model (GNAL+/- rats). Electrophysiology + molecular biology.

2017 – 2019 — University of Rome Tor Vergata

Internship. Thesis on neuronal vulnerability to ischemia in Parkinson's disease (PINK1 knockout model).

2014 – 2016 — University of Rome Tor Vergata

Internship in Molecular Virology. Quantification of intrahepatic HBV-DNA and HBV cccDNA in chronic infection.

Other Appointments

2024 — **Scientific Committee member:** “Non-drug therapy in Parkinson's Disease”

2023 — **Scientific Secretary:** “The use of statistics in biomedical research”

Education

2nd Level Master (current), Sapienza University of Rome

PhD in Neuroscience (2023), University of Rome Tor Vergata

Master's Degree in Medical Biotechnology (2019)

Bachelor's Degree in Biomedical Laboratory Techniques (2016)

Awards

2023 — Travel grant, 6th International Dystonia Symposium

2021 — BraYn Conference: oral presentation

2019 — Third place, PhD Program in Neuroscience

Memberships

2021–present — BraYn Society member

2020–present — SINS member

Research Activities

Keywords: Physiology, Synaptic Plasticity, Basal Ganglia, Dystonia, Parkinson's Disease

Description: Research on physiological and pathophysiological mechanisms of movement disorders through electrophysiology and molecular techniques.

Summary of Scientific Achievements

International Papers: 9 (PubMed), 2020–2025

Total Citations: 59 (Scopus)

H-index: 6 (Scopus)

Selected Publications:

Meringolo M, Montanari M, D'Antoni S, Martella G, **El Atiallah I**, Ponterio G, Tassone A, Reverte I, Caprioli D, Strimpakos G, Pieroni L, Catania MV, Bonsi P. Impairment of Group I Metabotropic Glutamate Receptors in the Dorsal Striatum of the R451C-Neurologigin 3 Mouse Model of Autism Spectrum Disorder. *J Neurochem*. doi: 10.1111/jnc.70253.

El Atiallah I, Ponterio G, Meringolo M, Martella G, Sciamanna G, Tassone A, Montanari M, Mancini M, Castagno AN, Yu-Taeger L, Nguyen HHP, Bonsi P, Pisani A. Loss-of-function of GNAL dystonia gene impairs striatal dopamine receptors-mediated adenylyl cyclase/cyclic AMP signaling pathway. *Neurobiol Dis*. 2024 Feb;191:106403. doi: 10.1016/j.nbd.2024.106403.

Martina M, Meringolo M, **El Atiallah I**, Renna A, Martella G. Preorint. Two Sides of the Same Coin: Genes Involved in Neurodegeneration and Cancer. 10.20944/preprints202401.0419.v1.

El Atiallah I, Bonsi P, Tassone A, Martella G, Biella G, Castagno AN, Pisani A, Ponterio G. Synaptic Dysfunction in Dystonia: Update From Experimental Models. *Curr Neuropharmacol*. 2023;21(11):2310-2322. doi: 10.2174/1570159X21666230718100156.

Ponterio G, Faustini G, **El Atiallah I**, Sciamanna G, Meringolo M, Tassone A, Imbriani P, Cerri S, Martella G, Bonsi P, Bellucci A, Pisani A. Alpha-synuclein is involved in DYT1 dystonia striatal synaptic dysfunction. *Mov Disord.* 2022 May; 37(5):949-961. doi: 10.1002/mds.29024. Epub 2022 April 14. PMID: 35420219; PMCID: PMC9323501.

Sciamanna G, **El Atiallah I**, Montanari M, Pisani A. Plasticity, genetics, and epigenetics in dystonia: An update. *Handb Clin Neurol.* 2022; 184:199-206. doi: 10.1016/B978-0-12-819410-2.00011-4. PMID: 35034734.

Imbriani P, Sciamanna G, **El Atiallah I**, Cerri S, Hess EJ, Pisani A. Synaptic effects of ethanol on striatal circuitry: therapeutic implications for dystonia. *FEBS J.* 2021 Jul 3. doi:10.1111/febs.16106. Epub ahead of print. PMID: 34217152.

Imbriani P, Ponterio G, Tassone A, Sciamanna G, **El Atiallah I**, Bonsi P, Pisani A. Models of dystonia: an update. *J Neurosci Methods.* 2020 Jun 1;339:108728. doi: 10.1016/j.jneumeth.2020.108728. Epub 2020 Apr 11. PMID: 32289333.

Imbriani P, D'Angelo V, Platania P, Di Lazzaro G, Scalise S, Salimei C, **El Atiallah I**, Colona VL, Mercuri NB, Bonsi P, Pisani A, Schirinzi T, Martella G. Ischemic injury precipitates neuronal vulnerability in Parkinson's disease: Insights from PINK1 mouse model study and clinical retrospective data. *Parkinsonism Relat Disord.* 2020 May; 74:57-63. doi: 10.1016/j.parkreldis.2020.04.004. Epub 2020 Apr 20. PMID: 32335490.

Rome, November 23, 2025