

# Josep Oriol Narcis Majos, PhD

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## EDUCATION

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| <b>University of Cantabria (UC)</b><br><i>Ph.D., Molecular Biology and Biomedicine</i> – Graduated with Cum Laude Honors – Award for Best Oral Communication<br>Thesis: <i>Dysfunction in the biogenesis of the pre-mRNAs and pre-rRNAs in motor neurons of Spinal Muscular Atrophy</i> | <b>Santander, Spain</b><br>2016 – 2019             |
| <b>University of Lleida (UdL)</b><br><i>MSc, Biomedical Research</i><br><i>BSc, Biotechnology</i> – Honors for Best Bachelor's Thesis in Graduating Class   | <b>Lleida, Spain</b><br>2015 – 2016<br>2011 – 2015 |

## INDUSTRY RELEVANT EXPERIENCE

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| <b>Pro Bono Consultant, The Acceleration Project (TAP) and Net Impact NYC</b><br>• Contributed to TAP engagements with Johnson & Johnson and Citi (Citibank) to help Spanish and English speaking SMBs, delivering marketing and economic growth materials and tracking KPIs to assess program impact and report outcomes | 2025 – Present |
| <b>Venture Fellow, Nucleate NYC Activator Program (Gilga-Med)</b><br>• Selected as one of 17 teams (of 276 applicants) for the Nucleate Activator final cohort; supported Gilga-Med in developing a biotech venture concept and advancing startup formation, IP strategy, and VC/fundraising strategy                     | 2025 – Present |
| <b>Fellow, Mount Sinai Innovation Partners (MSIP)</b><br>• Supported commercialization of academic discoveries by conducting technology assessments, market analyses, and IP strategy reviews; built decision-support decks for senior leadership to prioritize commercialization opportunities                           | 2025 – Present |
| <b>Director of Outreach, Mount Sinai Consulting Club (MSCC)</b><br>• Grew MSCC's external consulting network 70% by securing partnerships across 4 major firms; led strategy and execution for 8+ resume review and case prep workshops (70+ attendees), increasing engagement and attendance 60%                         | 2024 – Present |
| <b>Advisory Committee, Neuropathology Brain Bank and Research CoRE (NPBB) at Mount Sinai</b><br>• Participate in quarterly Dean's CoRE Advisory Committee meetings, providing strategic input and synthesizing stakeholder feedback to improve biobank operations, streamline workflows, and enhance research enablement  | 2020 – Present |

## ACADEMIC AND RESEARCH EXPERIENCE

I have published 10 peer-reviewed articles in high-impact neuroscience and immunology journals, with 200+ citations. Several publications rank among the top 10% most cited in their fields. Full publication list: <https://www.ncbi.nlm.nih.gov/myncbi/1-edt6zBlhlw5Z/bibliography/public/>

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| <b>Instructor (Faculty), Department of Neuroscience, Icahn School of Medicine at Mount Sinai</b><br>• Secured and led a NIH-funded and private (Google-Calico, ILMN and Parse-Bio) initiatives on neurodegeneration, managing a 5-member cross-functional team to identify diagnostic biomarkers by integrating genomics, transcriptomics, proteomics, and clinical data<br>• Implemented, optimized, and oversaw the end-to-end collection and processing of multi-omics data from 1,000+ patient samples, enabling large-scale biomarker discovery and translational insights | 2024 – Present |
| <b>Postdoctoral Research Fellow, Department of Neuroscience and Psychiatry, Icahn School of Medicine at Mount Sinai</b><br>• Secured competitive \$150K fellowship (1 of 11 worldwide) from <i>The Silverstein Foundation</i><br>• Reduced single-cell transcriptomics costs by 50%, enabling a 260% increase in patient sample size<br>• Investigated how the immune system is altered in Parkinson's and Alzheimer's diseases, to identify novel fluid-based biomarkers and further enhance the mechanisms of neurodegenerative diseases                                      | 2019 – 2024    |
| <b>Scientific Researcher, Department of Physiology and Pharmacology, School of Medicine at University of Cantabria</b><br>• Explored novel therapeutic approaches for reversing intellectual disability in Down syndrome, including the evaluation of antibody-based drugs and natural derivatives with potential neuroprotective effects   | 2017 – 2018    |

## TEACHING EXPERIENCE

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| <b>Professor, Molecular, Cellular, and Genetic Foundations (MCG), Icahn School of Medicine at Mount Sinai</b><br>• Ranked as best first-year professor by students acting as a group leader and evaluator for 50+ medical students in the MCG course, guiding clinical cases discussions, and enhancing their understanding of key concepts across a broad spectrum of diseases and disorders | 2021 – 2025 |
| <b>Teaching Assistant, Microbiological Basis of Infection, School of Medicine at University of Lleida</b><br>• Delivered and supervised lab sessions for 80+ medical students as part of a competitive teaching grant   | 2015 – 2016 |

## SKILLS AND INTERESTS

- IT: Microsoft Office (Certified Specialist in Word, Excel, PowerPoint) · R · GraphPad · FlowJo · QuPath · HALO AI
- Languages: Spanish (Native) · Catalan (Native) · English (Professional Proficiency)
- Interests: CrossFit Athlete · Volleyball (Division Player & Coach) · Scientific Photography (Exhibited & Award-Winning)