

# Juan I. Muñoz-Manco, MSc

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University Hospital Bonn  
German Center for Neurodegenerative Diseases (DZNE)

## Guest Scientist

E-Mail: [juanignacio.m001@gmail.com](mailto:juanignacio.m001@gmail.com)

## Research Expertise

Juan I. Muñoz-Manco Studied Biology and Master of Sciences at University of Antioquia, Colombia. Juan has worked as a researcher in areas such as Neurosciences, Genetics, Molecular Cell Biology, and Immunology for the University of Antioquia. Currently Works as DAAD fellow at German Center for Neurodegenerative Diseases (DZNE). His research focuses in the cellular and Molecular mechanisms of Learning and memory, biomarkers and the neuroimmunological processes of Neurodegenerative Diseases.

## Education / Training

2017

University of Antioquia, Faculty of Natural Sciences, Medellín, Colombia, MSc.

2011

University of Antioquia, Faculty of Natural Sciences, Medellín, Colombia, BSc.

## Appointments / Positions Held

2020 – Present

Guest Scientist – University Medical Bonn

German Center for Neurodegenerative Diseases (DZNE)

2018 - 2020

Professor of Cell and Molecular Biology – University of Antioquia

2014 – 2018

Researcher – University of Antioquia

## Honors / Awards

2020-2021

DAAD Fellow – Short Stay Research Grants

2016

IBRO-LARC - Travel Grants Young Scientist

## Publications

1. **Muñoz-Manco, Juan Ignacio;** Gutiérrez-Vargas, Johana; Cardona-Gómez, Gloria. Neurogenesis and gliogenesis modulation in cerebral ischemia by CDK5 RNAi-based therapy.

(2018). *Biomédica*. Volume 38 (3). doi: 10.7705/biomedica.v38i4.3800.

2. Angélica María Sabogal-Guaqueta, M.Sc.; **Juan Ignacio Muñoz-Manco, B.Sc.;** Jose R Ramírez-Pineda, Ph.D.; Marisol Lamprea-Rodríguez, Ph.D.; Edison Javier Osorio-Durango, Ph.D.; Gloria Patricia Cardona-Gómez, Ph.D. (2015). The flavonoid quercetin ameliorates Alzheimer's disease pathology and protects cognitive and emotional function in aged triple transgenic Alzheimer's disease model mice. *Neuropharmacology*. Volume 93. doi: 10.1016/j.neuropharm.2015.01.027. Epub 2015 Feb.

3. A. G. Sandoval-Hernández; H. G. Hernández; A. Restrepo; **Juan Ignacio Muñoz-M;** G. F. Bayon; A. F. Fernández; M. F. Fraga; G. P. Cardona-Gómez; H. Arboleda. (2015). Liver X Receptor Agonist Modifies the DNA Methylation Profile of Synapse and Neurogenesis-Related Genes in the Triple Transgenic Mouse Model of Alzheimer's Disease. *J Mol Neurosci*. doi: 10.1007/s12031-015-0665-8. Epub 2015 Nov 9.

4. Johana Andrea Gutiérrez-Vargas, M.Sc.; **Juan Ignacio Muñoz-Manco, B.Sc.;** Luis Miguel García-Segura, Ph.D.; Gloria Patricia Cardona-Gómez, Ph.D. (2014). Glun2b N-methyl-D-aspartic acid receptor subunit mediates atorvastatin-induced neuroprotection after focal cerebral ischemia. *Journal of Neuroscience research*. Volume 92, Issue 11, pages 1529–1548. doi: 10.1002/jnr.23426. Epub 2014 Jun 17.