

# Curriculum Vitae - EMMA PUIGHERMANAL PUIGVERT



## Personal Information

**Name:** Emma Puighermanal **ORCID ID:** 0000-0003-4271-9104 **Scopus ID:** 18038378100 e-mail: [emma.puighermanal@uab.cat](mailto:emma.puighermanal@uab.cat) DoB: 05/15/1983  
**Ramon y Cajal Researcher**, Institute of Neurosciences, Autonomous University of Barcelona (Spain). **Previous positions:** Visiting scholar (2017): School of Medicine/ Department of Neurosurgery - Stanford University (USA) Postdoctoral researcher (2012–2017): Institute of Functional Genomics INSERM-CNRS (France)

## Education

2011 – **PhD Biomedicine** (UPF, Spain) 2008 – **Master in Neuroscience** (UB, Spain), 2006 – **B.S. Human Biology** (UPF, Spain)

## Project funding as a PI

- Dissecting the cellular and molecular mechanisms of the effects of cannabinoids in the brain (RYC2020-029596-I). *Spanish Ministry of Science* (2022-2026)
- Study of cannabidiol and its mechanism of action for the treatment of Leigh syndrome (PID2021-1250790A-I00). *Spanish Ministry of Science* (2022-2025; **180,000€**)
- Developing effective treatments for Mitochondrial Diseases. *i4KIDS VALORISATION PROGRAM 2022* (2022; **5,000€**)
- Cannabidiol as a treatment for Mitochondrial Diseases. *European Development Regional Fund – Autonomous University of Barcelona* (2020; **15,000€**)
- Elucidation of the translome profile after THC exposure. *NARSAD YOUNG INVESTIGATOR GRANT –BBRF* (2014; **65,000\$**)
- Cell type-specific identification of mRNAs translated by cannabinoids in the hippocampus: from signaling to behavior (FP7-PEOPLE-2012-IEF). *MARIE CURIE FELLOWSHIP –EUROPEAN COMMISSION* (2012-2014; **194,000€**)

## Grants and fellowships

- 2022 **Ramon y Cajal grant** (from the *Ministry of Education and Sciences* of Spanish Government) (5 years)
- 2018 **Beatriu de Pinós fellowship** (co-founded between the *European Union* and the *Government of Catalonia*) (2 years)
- 2017 **Stanford Visiting Junior Scholar fellowship** (from *France-Stanford Center for Interdisciplinary Studies*) (3 months)
- 2015 **NARSAD Young Investigator Grant** (from *Brain & Behavior Research Foundation*, USA) (2 years)  
**PERC-IBRO Support Grant** for Symposia and Conferences organization
- 2014 **Marie Curie Intra-European fellowship** (from *Research & Innovation, European Commission*) (2 years)  
**FENS Travel Grant** to attend the 9th FENS Forum of Neuroscience. Milan (Italy)  
**MCCS-IBRO/PERC Travel Grant** to attend the 5th EMCCS-FENS forum meeting. Milan (Italy)
- 2012 **EMBO Long-Term fellowship** (2 years)  
**Beatriu de Pinós (BP-A) fellowship** (co-founded between the *European Union* and the *Government of Catalonia*) (2 years)
- 2007 **Formación del Profesorado Universitario (FPU) doctoral fellowship** (from the *Ministry of Education and Sciences* of Spanish Government) (4 years)  
**Fondo de Investigación en Salud (FIS) doctoral fellowship** (from *Instituto de Salud Carlos III*) (4 years)

## Prizes and awards

- 2019 **Best project Prize in "Ideas Generation Programme"**. UAB Research Park and Xarxa R+D+I in Biotechnology (Spain)
- 2016 **Soroptimist Women in Science 2016** (France)
- 2015 **Best oral communication Award** at the Young Neuroscience Symposium. Saint Martin de Londres (France)
- 2013 **Extraordinary Award** for the best thesis in Biomedicine of Pompeu Fabra University (Spain)  
**Best poster Award** at the 12th International IFR83 meeting "Cellular aspects of mRNA fate" (France)
- 2011 **12<sup>th</sup> Esteve Foundation Research Prize**. Issued by Esteve Foundation (Spain)  
**Best publication of 2011 Award**. Issued by the Spanish Society for Cannabinoid Research (Spain)
- 2010 **José Antonio Salvá Prize**. Issued by Catalan Society of Pharmacology (Spain)
- 2009 **Best poster Prize** in the Summer School "Stress, drug addiction and eating disorders" of Programme of European Neuroscience Schools (Croatia)
- 2006 **Best oral communication Award** at the 7<sup>th</sup> Annual meeting of the Spanish Society for Cannabinoid Research (Spain)

## Patents

- 2020 WO2020152336: Cannabidiol and/or derivatives thereof for use in the treatment of mitochondrial diseases (filed)
- 2013 EP2550964: Temsirolimus for use in the prevention and/or treatment of a delta 9-tetrahydrocannabinol-induced anxiety disorder

## Scientific output

**Publications:** 25 (12 first-author, 4 last-author, 6 corresponding author) h-index 15 (Scopus)

**Conference participations:** 15 talks + 44 poster presentations

## Teaching activities and scientific dissemination

- 2018-2022 Lectures in the master of Neuroscience (Pompeu Fabra University-Barcelona University, Barcelona, Spain)
- 2019 Outreach activity at Ravenswood Middle School (Palo Alto, California, USA)
- 2018 Scientific dissemination in "Fira de Recerca – CosmoCaixa". Barcelona (Spain)
- 2016-2017 Lectures in Animal Behavior for the French Accreditation of animal experimentation (IGF, Montpellier, France)
- 2010, 2014 Scientific dissemination during Brain Awareness Week
- 2010, 2011 Lectures in Biology to high school students (Lycée Français de Barcelone. Spain)
- 2009-2011 Participation in several interviews in 7 Spanish TV channels, in national and international radio programs, and in Spanish newspapers regarding the effects of cannabis
- 2008-2010 Lectures in Problem Based Learning to 3rd-year undergraduate students (Biology Degree. Pompeu Fabra University. Spain)

## Administrative/scientific duties

- International conference organization: Mechanisms underlying memory storage and pathological learning (<http://mmplsymposium.wordpress.com>) 05/19/2015 Montpellier (France)
- Service to professional journals ([publons.com/a/1513673/](https://publons.com/a/1513673/)): **Ad hoc reviewer:** European Neuropsychopharmacology, British Journal of Pharmacology, FEBS Letters, Molecular and Cellular Neuroscience, Molecular Genetics and Metabolism, Pharmacological Reports, Cellular and Molecular Neurobiology, Bio-Protocol.
- Member of 3 thesis defense committees
- Mentoring activities: Supervision/co-supervision of 4 PhD students, 24 undergraduate/master students and 2 technicians
- Aqu Associate Professor Accreditation from the Generalitat de Catalunya