

Curriculum vitae

Dr Jonai Pujol Giménez Bern, 31th of October 2019



Personal Information

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Education

September 2002- June 2008	University of Navarra, Pamplona, Spain/ Degree in Biology
September 2002- June 2008	University of Navarra, Pamplona, Spain/ Degree in Biochemistry
September 2007- June 2008	Università Politecnica delle Marche, Ancona, Italy/ Erasmus programme/
August 2009- February 2014	University of Navarra, Pamplona, Spain/ International PhD in Cellular and Molecular Biology/ PhD advisor: Prof Dr María Pilar Lostao Crespo/ PhD defence Data: 7th February, 2014
September 2010- September 2011	University of Navarra, Pamplona, Spain/ Master's degree in biomedical research
June-September 2013	Liverpool John Moores University, Liverpool, United Kingdom/ Erasmus internship programme

Employment History

November 2008- February 2009	Commercial department/ Abyntek Biofarma S.L, Technological Park of Vizcaya, Spain
August 2009- February 2014	Pre-doctoral research fellow/ Department of Nutrition, Food Science and Physiology, School of Pharmacy, University of Navarra, Pamplona, Spain
March 2015- January 2019	Post-doctoral research fellow/ Institute of Biochemistry and Molecular Medicine, University of Bern, Switzerland/
February 2019-	Post-doctoral research fellow/ Department for BioMedical Research (DBMR), Division of Nephrology and Hypertension. University Hospital Bern, Inselspital, Bern, Switzerland/

Supervision of junior researchers

July-August 2016- July-August 2017

Supervisor of **summer internship** by International students/Student: Celia Gonzalez Blanco (2016), Ainhoa Goñi Salaverri (2017) and Joseph Agbaje Olubukunmi (2017)

September 2018- March 2019

Co-supervisor master thesis entitled “Structure-function studies of the human divalent metal transporter 1 (SLC11A2/DMT1)”/Student: Marina Troxler

Teaching Activities

September 2011- June 13

Teaching assistant of practical lessons in the department of Food Sciences and Physiology of the School of Pharmacy of **the University of Navarra**, Pamplona, Spain

September 2017-

Teaching assistant of Professor Matthias Hediger in the Membrane biochemistry in Health and Disease course of the Faculty of Medicine of the **University of Bern**, Bern, Switzerland

Prizes, awards, fellowships

September 2007- June 08

Erasmus fellowship

August 2009- August 11

Technologists training fellowship from the Government of Navarra, Spain

April 2010

Roberto Leone Prize for the scientific contribution to the 23th meeting of the European Intestinal Transport Group (EITG)

September 2011- September 12

PhD fellowship funded by Marcelino Botin Foundation

September 2012- September 13

PhD fellowship funded by Asociación de Amigos of the University of Navarra

June-September 2013

Erasmus internship fellowship

April 2013

Prize to the second best poster presented in the 25st meeting of the European Intestinal Transport Group (EITG)

March 2015- January 2019

Marie Curie Actions **International Research Fellowship** Program

Publication list

2012

Title: **The facilitated glucose transporter GLUT12: What do we know and what would we like to know?**

Authors: **Jonai Pujol-Gimenez**, Jaione Barrenetxe, Pedro Gonzalez-Muniesa, Maria Pilar Lostao

Source: J. Physiol. Biochem. 2012; 69 (2), 325-33.

PMID: **23385668**

2014 Title: **Expression of the Glucose Transporter GLUT12 in Alzheimer's Disease Patients**

Authors: **Pujol-Gimenez J**, Martisova E, Perez-Mediavilla A, Lostao MP and Ramirez MJ.

Source: J.Alzheimers Dis. 2014; Doi:X4382H2G3163W276

PMID: **24820014**

2014 Title: **Could GLUT12 be a Potential Therapeutic Target in Cancer Treatment? A Preliminary Report**

Authors: **Pujol-Gimenez J**, Pérez de Heredia F, Idoate MA, Airley R, Lostao MP and Evans

Source: J Cancer. 2015 Jan 5;6(2):139-43. doi: 10.7150/jca.10429

PMID: **25561978**

2014 Title: **Functional characterization of the human facilitative glucose transporter 12 (GLUT12) by electrophysiological methods**

Authors: **Pujol-Gimenez J**, Pérez A, Reyes A, Loo DD and Lostao MP

Source: Am J Physiol Cell Physiol. 2015 Jun 15;308(12):C1008-22. doi: 10.1152/ajpcell.00343.2014

PMID: **25855082**

2015 Title: **The Hydroxyl Side Chain of a Highly Conserved Serine Residue Is Required for Cation Selectivity and Substrate Transport in the Glial Glutamate Transporter GLT-1/SLC1A2**

Authors: Simonin A, Montalbetti N, Gyimesi G, **Pujol-Giménez J**, Hediger MA

Source: J Biol Chem. 2015 Dec 18;290(51):30464-74. doi: 10.1074/jbc.M115.689836.

PMID: **26483543**

2017 Title: **A novel proton transfer mechanism in the SLC11 family of divalent metal ion transporters**

Authors: **Pujol-Giménez J**, Hediger MA, Gyimesi G

Source: Sci Rep. 2017 Jul 28;7(1):6194. doi: 10.1038/s41598-017-06446-y.

PMID: **28754960**

2018 Title: **Reassessment of the Transport Mechanism of the Human Zinc Transporter SLC39A2.**

Authors: Franz MC, **Pujol-Giménez J**, Montalbetti N, Fernandez-Tenorio M, DeGrado TR, Niggli E, Romero MF, Hediger MA

Published: Biochemistry. 2018 Jul 3;57(26):3976-3986. doi: 10.1021/acs.biochem.8b00511. Epub 2018 Jun 7.

PMID: **29791142**

2019

Title: **Unraveling the structural elements of pH sensitivity and substrate binding in the human zinc transporter SLC39A2 (ZIP2).**

Authors: Gyimesi G, Albano G, Fuster DG, Hediger MA, **Pujol-Giménez J.**

Source: J Biol Chem. 2019 May 17;294(20):8046-8063. doi: 10.1074/jbc.RA118.006113. Epub 2019 Mar 26.

PMID: **30914478**

2019

Title: **Recurrent SLC1A2 variants cause epilepsy via a dominant negative mechanism.**

Authors: Stergachis AB, **Pujol-Giménez J**, Gyimesi G, Fuster D, Albano G, Troxler M, Picker J, Rosenberg PA, Bergin A, Peters J, El Achkar CM, Harini C, Manzi S, Rotenberg A, Hediger MA, Rodan LH.

Source: Ann Neurol. 2019 Jun;85(6):921-926. doi: 10.1002/ana.25477. Epub 2019 Apr 26.

PMID: **30937933**