

## CURRICULUM VITAE

Pau H. González Sánchez, Ph.D.

### Personal Information

Birthdate: 18th of May, 1979.

Citizenship: Spanish.

Languages: Fluent in Spanish and English.

**Present Address:** Laboratory of Molecular Neurology.  
HNP Research Unit.  
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### Academic Degrees:

2002: Degree in Biology (Field of Fundamental Biology), University of Salamanca.

2005: Master in Neurosciences, Department of Cellular Biology, Physiology and Immunology of the Faculty of Medicine, Autonomous University of Barcelona (UAB). “Excellent” for the research work entitled: “*Efectos derivados de la sobreexpresión de Interleucina 10, mediante terapia génica no-viral, en un modelo de lesión excitotóxica en el cerebro de la rata postnatal*”. Advisor: Dr. Bernardo Castellano.

2009: Ph.D. in Biological Science (Field of Neurosciences), Department of Cellular Biology, Physiology and Immunology of the Faculty of Medicine, UAB. “Excellent Cum Laude” for the thesis entitled: “*La Interleucina 10 en el cerebro postnatal*”. Advisor: Dr. Bernardo Castellano and Dr. Berta González.

### Specialization courses:

1. Course of Cellular and Gene Therapy. Vall d’Hebrón Hospital, Barcelona (Spain) 2005.
2. Optimization of Confocal Microscopy. Autonomous University of Barcelona, Barcelona (Spain) 2007.
3. Course of Animal Handling for Research Personnel (Category C). Autonomous University of Barcelona, Barcelona (Spain) 2007.
4. Course of Fluorescence and Confocal Microscopy. The National Hospital for Paraplegia, Toledo (Spain) 2010.
5. International Spinal Cord Meeting. Bellvitge Hospital, Barcelona (Spain) 2011.

6. Course of Introduction to Proteomics. The National Hospital for Paraplegia, Toledo (Spain) 2016.
7. Course of Introduction to Flow Cytometry. The National Hospital for Paraplegia, Toledo (Spain) 2016.
8. Course of Introduction to the Flow Cytometry Analysis Software “FlowJo”. The National Hospital for Paraplegia, Toledo (Spain) 2017.
9. Course of Quantitative Proteomics. The National Hospital for Paraplegia, Toledo (Spain) 2018.
10. Course of Exposure to Chemical Agents in the Workplace. The National Hospital for Paraplegia, Toledo (Spain) 2018.
11. Course of Bibliographic Management with Mendeley. The National Hospital for Paraplegia, Toledo (Spain) 2018.
12. Course of Introduction to High Field Magnetic Resonance Imaging in Small Animals. The National Hospital for Paraplegia, Toledo (Spain) 2018.
13. Course of Research Methodology: Creation of Databases and Statistical Analysis with SPSS. The National Hospital for Paraplegia, Toledo (Spain) 2019.

**Positions:**

2003-2005: Master student at the Department of Cellular Biology, Physiology and Immunology of the Faculty of Medicine, Autonomous University of Barcelona (UAB) (Spain).

2005-2009: Ph.D. student at the Department of Cellular Biology, Physiology and Immunology of the Faculty of Medicine, Autonomous University of Barcelona (UAB) (Spain).

2007-2009: Associate Professor A4.6 at the Department of Cellular Biology, Physiology and Immunology of the Faculty of Medicine, Autonomous University of Barcelona (UAB) (Spain).

From 2009: Postdoctoral Researcher at the Laboratory of Molecular Neurology, Unit of Molecular Neurobiology of The National Hospital for Paraplegia (Spain)

**Awards and Merits:**

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**Fellowships:**

2003-2007: Fellowship for Research Personnel Instruction (F.P.I.). Spanish Ministry of Education and Science.

### **Member of the following Societies:**

- Spanish Society of Neuroscience (SENC).
- Federation of European Neurosciences (FENS).

### **Predoctoral advisor:**

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### **Postdoctoral advisor:**

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### **Ad hoc reviewer in the last years:**

- For Journals including: PLoS One, Journal of Neuroscience Research, CNS & Neurological Disorders-Drug Targets, Neural Regeneration Research, Journal of Neurochemistry, Brain Research and Molecular Neurobiology.

### **Teaching activity:**

*Pregraduate courses:* Practical and theoretical classes as associate professor of the subject “Medical Histology” and “Microscopic Structure of Human Organs and Systems” for students of first and second year of the Degree of Medicine and Surgery, Faculty of Medicine, Autonomous University of Barcelona (UAB). Years 2003-2009.

### **Research Grants and Projects:**

- 2005-2008: Department of University, Research and Information Society of the “Generalitat de Catalunya”. Program: “Consolidated Research Group”. Project: *Glial cells research*. Principal Investigator: *Dr. Berta González*. Role: *PhD student*.
- 2005-2008: Spanish Ministry of Science and Education. Program: “Proyectos de Investigación Fundamental No Orientada” Project: *Activation and modulation of glial reactivity by integrin interaction*. Principal Investigator: *Dr. Berta González*. Role: *PhD student*.
- 2006-2007: Autonomous University of Barcelona (UAB). Program: “Emerging Research Groups”. Project: *Selective inhibition of the inflammatory transcription factor NFκB in astrocytes: a possible neuroprotective therapy*. Principal Investigator: *Dr. Laia Acarín*. Role: *PhD student*.
- 2008-2013: Autonomous University of Barcelona (UAB). Program: “Consolidated Research Group”. Project: *Research group in glial cells and*

*neuroimmunology*. Principal Investigator: *Dr. Bernardo Castellano*. Role: *PhD student and Postdoctoral Researcher*.

- 2009-2013: Department of University, Research and Information Society of the “Generalitat de Catalunya”. Program: “Consolidated Research Group”. Project: *Research group in glial cells*. Principal Investigator: *Dr. Bernardo Castellano*. Role: *Postdoctoral Researcher*.
- 2009-2009: Spanish Ministry of Science and Education, Program “Proyectos de Investigación Fundamental No Orientada”. Project: *Endogenous regulatory mechanisms of the inflammatory response associated to a CNS injury: lessons from the neonatal brain*. Principal Investigator: *Dr. Laia Acarín*. Role: *Postdoctoral Researcher*.
- 2010-2012: Spanish Ministry of Science and Education, Program “Proyectos de Investigación Fundamental No Orientada”. Project: *Endogenous modulatory mechanisms of inflammation, a new perspective for neuroprotection after neonatal hypoxia/ischemia*. Principal Investigator: *Dr. Laia Acarín*. Role: *Postdoctoral Researcher*.
- 2013-2015: Spanish Ministry of Health. Program “Fondo de Investigaciones Sanitarias (FIS)”. Project: *The Wnt family of proteins in the inflammatory and glial response after spinal cord injury: a new therapeutic target?*. Principal Investigator: *Dr. F. Javier Rodríguez*. Role: *Postdoctoral Researcher*.
- 2013-2017: European Commission, NMP Program. Project: *NEURIMP: Novel Combination of biopolymers and manufacturing technologies for production of a peripheral nerve implant containing an internal aligned channels array*. Principal Investigator: *TEKNIKER (Coordinator of a consortium of 8 partners)*. Role: *Postdoctoral Researcher*.
- 2019-2023: Ministry of Science, Innovation and Universities, Program “Retos Investigación”. Project: *WINSPIRE: Development of a therapy based in selective activation of the Wnt canonical signalling pathway for the treatment of acute spinal cord injury*. Principal Investigator: *Dr. F. Javier Rodríguez*. Role: *Postdoctoral Researcher*.
- 2019-2021: Spanish Ministry of Health, Institute of Health Carlos III for Technological Development in Health. Project: *SCI-IMMUNOPROTECT: Acute Spinal Cord Injury: Immunomodulation and Neuroprotection by means of Elastin-Like Recombinamers and Wnt Canonical Signaling Trigger*. Principal Investigator: *Dr. F. Javier Rodríguez*. Role: *Postdoctoral Researcher*.
- 2020-2022: Counselling of Education, Culture and Sports of the Regional Government of the “Junta de Comunidades de Castilla-La Mancha”. Project: *SCI-WINTHERAPY: Acute treatment of spinal cord injury by combined therapy with elastin hydrogels and recombinant activating proteins of the canonical Wnt pathway*. Principal Investigators: *Dr. F. Javier Rodríguez and Pau H. González*. Role: *Co-PI*

## **Publication List:**

1. Peluffo H, Acarín L, Arís A, **González P**, Villaverde A, Castellano B, González B. *Neuroprotection from NMDA excitotoxic lesion by Cu/Zn superoxide dismutase gene delivery to the postnatal rat brain by a modular protein vector*. BMC Neurosci. 2006 Apr 25;7:35.
2. Peluffo H, **González P**, Arís A, Acarín L, Saura J, Villaverde A, Castellano B, González B (**PH and GP have contributed equally to this work**). *RGD domains neuroprotect the immature brain by a glial-dependent mechanism*. Ann Neurol. 2007 Sep;62(3):251-61.
3. **González P**<sup>&</sup>, Burgaya F, Acarín L, Peluffo H, Castellano B, González B (**& Corresponding Author**). *Interleukin-10 and interleukin-10 receptor-I are upregulated in glial cells after an excitotoxic injury to the postnatal rat brain*. J Neuropathol Exp Neurol. 2009 Apr;68(4):391-403
4. Fernández-Martos CM, González-Fernández C, **González P**, Maqueda A, Arenas E, Rodríguez FJ. *Differential expression of Wnts after spinal cord contusion injury in adult rats*. PLoS One. 2011;6(11):e27000.
5. **González P**<sup>&</sup>, Peluffo H, Acarín L, Villaverde A, González B, Castellano B (**& co-Corresponding Author**). *Interleukin-10 overexpression does not synergize with the neuroprotective action of RGD-containing vectors after postnatal brain excitotoxicity but modulates the main inflammatory cell responses*. J Neurosci Res. 2012 Jan;90(1):143-59.
6. Shrivastava K, **González P**, Acarín L. *The immune inhibitory complex CD200/CD200R is developmentally regulated in the mouse brain*. J Comp Neurol. 2012 Aug 15;520(12):2657-75.
7. Fernández-Martos CM, **González P**, Rodríguez FJ. *Acute leptin treatment enhances functional recovery after spinal cord injury*. PLoS One. 2012;7(4):e35594.
8. **González P**, Fernández-Martos CM, González-Fernández C, Arenas E, Rodríguez FJ. *Spatio-temporal expression pattern of frizzled receptors after contusive spinal cord injury in adult rats*. PLoS One. 2012;7(12):e50793.
9. Peluffo H, **González P**, Acarín L, Arís A, Villaverde A, González B. *Overexpression of the nuclear factor kappa B inhibitor A20 is neurotoxic after an excitotoxic injury to the immature rat brain*. Neurol Res. 2013 Apr;35(3):308-19.
10. **González P**, Fernández-Martos CM, Arenas E, Rodríguez FJ. *The Ryk Receptor Is Expressed in Glial and Fibronectin-Expressing Cells after Spinal Cord Injury*. J Neurotrauma. 2013 May 15;30(10):806-17.
11. **González P**<sup>&</sup> and Rodríguez FJ (**& co-Corresponding Author**). *Analysis of the expression of the Wnt family of proteins and its modulatory role on cytokine expression in non activated and activated astroglial cells*. Neurosci Res. 2017 Jan 114:16-29.

12. Fernández R, **González P**, Lage S, Garate J, Maqueda A, Marcaida I, Maguregui M, Ochoa B, Rodríguez FJ and Fernández JA. *Influence of the Cation Adducts in the Analysis of Matrix-Assisted Laser Desorption Ionization Imaging Mass Spectrometry Data from Injury Models of Rat Spinal Cord*. Anal Chem. 2017 Aug 15; 89(16):8565-8573.
13. Dolci S, Pino A, Berton V, **González P**, Braga A, Fumagalli M, Bonfanti E, Malpeli E, Pari F, Zorzini S, Amoroso C, Moscon D, Rodríguez FJ, Fumagalli G, Bifari F and Decimo I. *High Yield of Adult Oligodendrocyte Lineage Cells Obtained from Meningeal Biopsy*. Front Pharmacol. 2017 Oct 12;8:703.
14. González-Fernández C, **González P**, Andrés-Benito P, Ferrer I and Rodríguez FJ. *Wnt Signaling Alterations in the Human Spinal Cord of Amyotrophic Sclerosis Cases: Spotlight on Fz2 and Wnt5a*. Mol Neurobiol. 2019 Oct;56(10):6777-6791.
15. **González P**<sup>&</sup>, González-Fernández C, Campos-Martín Y, Mollejo M, Carballosa-Gautam M, Marcillo A, Norenberg M and Rodríguez FJ (<sup>&</sup> **co-Corresponding Author**). *Frizzled 1 and Wnt1 as new potential therapeutic targets in the traumatically injured spinal cord*. Cell Mol Life Sci. 2020 Nov;77(22):4631-4662.
16. **González P**<sup>&</sup>, González-Fernández C, Campos-Martín Y, Mollejo M, Carballosa-Gautam M, Marcillo A, Norenberg M, García-Ovejero D and Rodríguez FJ (<sup>&</sup> **co-Corresponding Author**). *Spatio-temporal and Cellular Expression Patterns of PTK7 in the Healthy and Traumatically Injured Rat and Human Spinal Cord*. Cell Mol Neurobiol. 2020 Oct;40(7):1087-1103.
17. González-Fernández C, **González P**, Rodríguez FJ. *New insights into Wnt signaling alterations in amyotrophic lateral sclerosis: a potential therapeutic target?*. Neural Regen Res. 2020 Sep;15(9):1580-1589.
18. **González P**<sup>&</sup>, González-Fernández C, Rodríguez FJ (<sup>&</sup> **co-Corresponding Author**). *Effects of Wnt5a Overexpression in Spinal Cord Injury*. J Cell Mol Med. 2021 May 3 (Epub ahead of print).

#### Patents:

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#### Congress presentations:

1. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, González B, Castellano B. *Inhibition of the inflammatory transcription factor NF-Kappa B in acute neurodegeneration by means of non-viral vectors (Poster)*. Congress: “Advanced methods for industrial production, purification, and characterization of gene vectors”, Evry (France) 2004.

2. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B., González B. *Non-viral gene therapy mediated overexpression of IL-10 after an excitotoxic injury to the postnatal rat brain. Implications for glial reactivity (Poster)*. Congress: “35th Annual meeting of the Society for Neuroscience (SfN)”, Washington (USA) 2005.
3. Peluffo H, **González P**, Arís A, Acarín L, Castellano B, Villaverde A, González B. *Neuroprotective effect of alpha V integrins interacting peptides after an excitotoxic lesion to the immature rat brain (Poster)*. Congress: “35th Annual meeting of the Society for Neuroscience (SfN)”, Washington (USA) 2005.
4. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B, González B. *Sobreexpressió de IL-10 mediada per teràpia gènica no-viral després d'un dany excitotòxic en el cervell de rata postnatal. Implicacions de la reactivitat glial (Poster)*. Congress: “V Simposi de Neurobiologia Experimental”, Barcelona (Spain) 2005.
5. Arís A, Peluffo H, **González P**, Acarín L, Castellano B, Villaverde A, González B. *Alpha(v) integrins interacting peptides are neuroprotective after an excitotoxic lesion to the immature brain (Oral)*. Congress: “IUBMB 50th Anniversary Symposium”, Budapest (Hungary) 2005. Published in the FEBS Journal; Vol 272 (Suppl. 1), 532-532; 2005.
6. Acarín L, Peluffo H, **González P**, Arís A, Castellano B, Villaverde A, González B. *RGD integrin interacting peptides are neuroprotective after NMDA-mediated excitotoxicity to the immature brain by a glial mediated mechanism (Oral)*. Congress: “Fifth Hershey Conference on Developmental Brain Injury”, Princeton (USA) 2006.
7. Peluffo H, **González P**, Arís A, Acarín L, Beyaert R, Villaverde A, Castellano B, González B. *Overexpression of the nuclear factor-kappa B binding protein A20 is neurotoxic and exacerbates excitotoxic injury in the immature rat brain (Poster)*. Congress: “36th Annual meeting of the Society for Neuroscience”, Atlanta (USA) 2006.
8. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B, González B. *IL-10 overexpression, by means of non-viral gene therapy, modulates neurodegeneration and associated glial reactivity in a postnatal rat model of excitotoxic brain injury (Poster)*. Congress: “5<sup>th</sup> forum of European neurosciences (FENS)”, Vienna (Austria) 2006.
9. Peluffo H, **González P**, Arís A, Acarín L, Castellano B, Villaverde A, González B. *RGD integrin interacting peptides are neuroprotective after NMDA-mediated excitotoxicity to the immature brain by a glial mediated mechanism (Poster)*. Congress: “5<sup>th</sup> forum of European neurosciences (FENS)”, Vienna (Austria) 2006.

10. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B, González B. *La sobreexpresió de IL-10, mediada per teràpia gènica no-viral, modula els processos neurodegeneratius i la reactivitat glial, en un model de dany excitotòxic en el cervell de rata postnatal (Poster)*. Congress: “VI Simposi de Neurobiologia Experimental”, Barcelona (Spain) 2006.
11. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B, González B. *Sobreexpresió de IL-10 mediada per teràpia gènica no-viral després d'un dany excitotòxic en el cervell de rata postnatal. Implicacions de la reactivitat glial (Poster)*. Congress: “I Jornadas Científicas. Instituto de Neurociencias. Universidad Autónoma de Barcelona”, Barcelona (Spain) 2006.
12. Peluffo H, **González P**, Arís A, Acarín L, Castellano B, Villaverde A, González B. *Neuroprotective mechanisms of Alpha<sub>v</sub> integrins interacting peptides alter an excitotoxic lesion to the immature rat brain (Poster)*. Congress: “I Jornadas Científicas. Instituto de Neurociencias. Universidad Autónoma de Barcelona”, Barcelona (Spain) 2006.
13. **González P**, Peluffo H, Acarín L, Burgaya F, Castellano B, González B. *Interleukin-10 and its receptor are upregulated in glial cells after an acute injury to the postnatal rat brain (Poster)*. Congress: “Glial Cells in Health and Disease (VIII European Meeting)”, London (UK) 2007. Published in *Neuron Glia Biology*; Vol 3 (Suppl. 1), 101:101; 2007.
14. Ganz J, Arís A, Villaverde A, González B, Acarín L, **González P**, Castellano B, Peluffo H. *Novel modular recombinant gene therapy vectors for acute CNS injuries (Poster)*. Congress: “I Congresso IBRO/LARC de Neurociências da America Latina, Caribe e Peninsula Iberica (NEUROLATAM)”, Buzios (Brasil) 2008.
15. **González P**, Campuzano O, Peluffo H, Castillo-Ruiz MM, Acarín, L, Castellano B, González B. *La administración tardía de dominios RGD de interacción con integrinas induce neuroprotección en el cerebro adulto excitotóxicamente lesionado (Poster)*. Congress: “VII Simposi de Neurobiologia Experimental”, Barcelona (Spain) 2008.
16. **González P**, Burgaya F, Acarín L, Peluffo H, Castellano B, González B. *La expresión de IL-10 y de su receptor aumenta en células gliales, tras la inducción de un daño excitotóxico en el cerebro de rata postnatal (Poster)*. Congress: “IV Reunión de la Red Glial Española”, Madrid (Spain) 2008.
17. **González P**, Peluffo H, Acarín L, Arís A, Villaverde A, Castellano B, González B. *Efectos derivados de la sobreexpresión de IL-10, mediante terapia génica no viral,*



*tras un daño excitotóxico en el cerebro de rata postnatal (Oral)*. Congress: “IV Reunión de la Red Glial Española“, Madrid (Spain) 2008.

18. Acarín L, **González P**, Peluffo H, Campuzano O, Castillo-Ruiz MM, Arís A, Villaverde A, Castellano B, González B. *La administración de dominios RGD de interacción con integrinas induce neuroprotección, mediada por células gliales en el cerebro excitotóxicamente lesionado (Oral)*. Congress: “IV Reunión de la Red Glial Española“, Madrid (Spain) 2008.
19. **González P**, Acarín L, Peluffo H, Arís A, Villaverde A, Castellano B, González B. *IL-10 overexpression by non-viral gene therapy alter excitotoxic neonatal brain damage (Poster)*. Congress: “XXIV<sup>th</sup> International Symposium on Cerebral Blood Flow, Metabolism and Function & IX<sup>th</sup> International Conference on Quantification of Brain Function with PET”, Chicago (USA) 2009.
20. Shrivastava K, **González P**, Acarín L. *Characterization of CD200 expression pattern in the developing and adult C57/BL6 mice brain (Poster)*. Congress: “XIII Congreso sociedad española de neurociencias”, Tarragona (Spain) 2009.
21. Shrivastava K, **González P**, Acarín L. *The spatio-temporal and cellular expression pattern of CD200 in the developing and adult C57/BL6 mice brain (Poster)*. Congress: “Neuroscience Ireland Annual Conference”, Dublin (Ireland) 2009. Published in the Irish Journal of Medical Science. Vol 179, Suppl. 3/April, 2010.
22. Shrivastava K, **González P**, Acarín L. *The spatio-temporal, cellular and quantitative expression pattern of CD200 in the adult and developing C57/BL6 mice brain (Oral)*. Congress: “Seventh Hershey Conference on Developmental Brain Injury”, Hershey (USA) 2010.
23. Shrivastava K, **González P**, Acarín L. *Spatio-Temporal distribution of CD200R and its ligand CD200 in the adult and developing C57/BL6 mice brain (Poster)*. Congress: “ISNI2010: X International Congress of Neuroimmunology”, Sitges (Spain) 2010. Published in the Journal of Neuroimmunology. Vol 228 (1-2). November 15, 2010. p1-220.
24. Shrivastava K, Llovera G, **González P**, Acarín L. *Distribution of CD200 and CD200R in the developing C57/BL6 mice brain before and after H/I injury (Poster)*. Congress: “The Bevill Conference on Glial Biology in Medicine”, Birmingham (USA) 2010.
25. Shrivastava K, Llovera G, **González P**, Acarín L. *CD200 and CD200R distribution in the developing C57/BL6 mice brain before and after H/I injury (Poster)*. Congress: “The V congress of Red Glial Española”, Malaga (Spain) 2010.

26. **González P**, Fernández-Martos CM, González-Fernández C, Maqueda A, Pérez V, Medrano M, Vázquez S, Rodríguez FJ. *Spatio-temporal expression pattern of Frizzled receptors alter contusive spinal cord injury (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
27. **González P**, Fernández-Martos CM, González-Fernández C, Maqueda A, Pérez V, Medrano M, Vázquez S, Rodríguez FJ. *Ryk Receptor Is Expressed in Fibroblasts and Glial Cells, and it Modulates their Response to Spinal Cord Injury (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
28. González-Fernández C, Fernández CM, **González P**, Maqueda A, Vázquez S, Pérez V, Medrano M, Rodríguez FJ. *Análisis de la expresión de los receptores y co-receptores de la vía de señalización Wnt tras una lesión medular en ratones adultos (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
29. González-Fernández C, Fernández CM, **González P**, Maqueda A, Vázquez S, Pérez V, Medrano M, Rodríguez FJ. *Análisis de la expresión de ligandos e inhibidores de la vía de señalización Wnt tras una lesión medular en ratones adultos (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
30. Fernández-Martos CM, **González P**, González-Fernández C, Maqueda A, Vázquez S, Pérez V, Medrano M and Rodríguez FJ. *Acute intraparenchymal leptin administration reduces secondary cell death and enhances functional recovery after spinal cord injury in rats (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
31. Fernández-Martos CM, **González P**, González-Fernández C, Maqueda A, Vázquez S, Pérez V, Medrano M and Rodríguez FJ. *Differential expression of Wnts after spinal cord contusion injury in adult rats (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
32. Maqueda A, Fernández-Martos CM, **González P**, González-Fernández C, Vázquez S, Pérez V, Medrano M, Rodríguez FJ. *El trasplante de precursores neurales C17.2 que sobreproducen Wnt1 mejoran la función locomotora tras lesión medular por contusión en ratas wistar (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
33. Maqueda A, Fernández-Martos CM, **González P**, González-Fernández C, Vázquez S, Pérez V, Medrano M, Rodríguez FJ. *El trasplante de precursores neurales C17.2 que sobreproducen Wnt5a incrementa la pérdida de mielina, la reactividad*

*astroglial y microglial, y empeora la recuperación funcional en un modelo de contusión medular en rata adulta (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.

34. Rodríguez FJ, Fernández-Martos CM, **González P**, Vázquez S., Fernández E, Maqueda A, González-Fernández C and Pérez V. *Acute ibuprofen anti-inflammatory and neuroprotective action after spinal cord injury in adult wistar rats (Poster)*. Congress: “XIV Congreso Nacional Sociedad Española de Neurociencia”, Salamanca (Spain) 2011.
35. Shrivastava K, Llovera G, **González P**, Acarín L. *Distribution of CD200 and CD200R in the developing C57/BL6 mice brain before and after hypoxia/ischemia injury (Poster)*. Congress: “The XXVth International Symposium on Cerebral Blood Flow, Metabolism and Function and the Xth International Conference on Quantification of Brain Function with PET”, Barcelona (Spain) 2011.
36. Shrivastava K, Llovera G, **González P**, Acarín L. *Distribution of immune inhibitory molecule CD200 and its receptor in the developing C57/BL6 mice brain before and after H/I injury (Poster)*. Congress: “The 8<sup>th</sup> IBRO world congress of neuroscience”, Florence (Italy) 2011.
37. **González P**, Fernández-Martos C, González-Fernández C, Maqueda A, Pérez V, Medrano M, Vázquez S, Arenas E, Rodríguez FJ. *Frizzled receptors expression in the damaged spinal cord: special focus on spatio-temporal and cellular expression pattern of Fizzled 5 (Poster)*. Congress: “XV Congreso Nacional Sociedad Española de Neurociencia”, Oviedo (Spain) 2013.
38. González-Fernández C, Fernández-Martos C, **González P**, Maqueda A, Pérez V, Medrano M, Vázquez S, Arenas E, Rodríguez FJ. *Wnt expression in the spinal cord of adult mice: more than a developmental morphogen?*. Congress: “XV Congreso Nacional Sociedad Española de Neurociencia”, Oviedo (Spain) 2013.
39. Fernández-Martos CM, **González P**, González-Fernández C, Maqueda A, Vázquez S, Pérez V, Medrano M, Rodríguez FJ. *Acute intraparenchymal leptin administration reduces secondary cell death and enhances functional recovery after spinal cord injury in rats*. Congress: “XV Congreso Nacional Sociedad Española de Neurociencia”, Oviedo (Spain) 2013.
40. Braga A, Rodríguez FJ, Bertón V, **González P**, Malpeli G, Pino A, Krampera M, Decimo I, Bifari F, Fumagalli G. *Differentiation of mature oligodendrocytes from small biopsy of adult rat spinal cord meninges*. Congress: “9th FENS Forum of Neurosciences”, Milan (Italy) 2014.
41. Berton V, Rodríguez FJ, **González P**, Braga A, Pino A, Krampera M, Bifari F, Decimo I, Fumagalli G. *Regenerative potential of leptomeningeal-derived*

*oligodendrocytes in rat model of spinal cord injury*. Congress: “9th FENS Forum of Neurosciences”, Milan (Italy) 2014.

42. Fernández R, **González P**, Díez-García J., Castro B., Rodríguez FJ., Fernández JA. *Profiling and Imaging of Lipids in Demyelinated Rat Spinal Cord Using Mass Spectrometry*. Congress: “62nd ASMS Conference on Mass Spectrometry and Allied Topics”, Baltimore (USA) 2014.
43. **González P**, Rodríguez FJ. *Analysis of the expression of the Wnt family of proteins in activated astroglial cells*. Congress: “XII European Meeting on Glial Cells in Health and Disease”, Bilbao (Spain) 2015.
44. González-Fernández C, **González P**, Maqueda A, González-Pérez F, Pérez-Jort V, Vázquez-Pérez S, Galán-Arriero I, Rodríguez FJ. *Altered Expression of the Wnt Family of Proteins in Human Spinal Cords of Amyotrophic Sclerosis Patients*. Congress: “XVII Congreso Nacional Sociedad Española de Neurociencia”, Alicante (Spain) 2017.
45. González-Pérez F, González-Fernández C, **González P**, Maqueda A, Galán-Arriero I, Pérez-Jort V, Vázquez-Pérez S, Rodríguez FJ. *Acute Leptin Treatment Modifies Wnt Profile Expression After Spinal Cord Injury in the Rat*. Congress: “XVII Congreso Nacional Sociedad Española de Neurociencia”, Alicante (Spain) 2017.
46. **González P**, González-Fernández C, Maqueda A, González-Pérez F, Pérez-Jort V, Vázquez-Pérez S, Galán-Arriero I, Rodríguez FJ. *Spatio-Temporal and Cellular Expression Pattern of PTK7 in the Healthy Rat and Human Spinal Cord and after Traumatic Spinal Cord Injury in the Rat*. Congress: “XVII Congreso Nacional Sociedad Española de Neurociencia”, Alicante (Spain) 2017.