

## CV Profile (max. 2 pages length)

1 *Andres Crespo Vieira, PhD.*

### Research interests

I had had the opportunity of working in different science areas, involving all of them in applied science. The field I was working during my PhD was Toxicology, concretely the harmful effects marine toxin have on some organs, mainly the brain, but also kidney, liver or heart. I have always been interested in studying different health issues from a molecular biology /cellular perspective and from *in vivo* studies at the same time. Currently, after my PhD I started to work in a laboratory focused on neuronal plasticity, where I have my own project about neuroregeneration, although I have always felt interest for any research that involves this double technical approach and applied science.

### Education

**PhD:** Pharmacology. (01/10/2010 - 07/07/2015)

**Master's Degree:** Master of Science (MSc). Biomedicine. (15/09/2009 - 15/07/2010)

**Undergraduate Degree:** Bachelor of Science (BSc). Molecular Biology and Biotechnology. 15/09/2002 - 15/02/2008)

### Sector of activity

Health and Life Sciences.

### Experience

**September 2018 – Present (25 months).** Position: Molecular Biologist. Research Assistant.

- Lab management • Supervision of students • PCR • Confocal Microscopy • Histology
- Cryostat • Immunohistochemistry • Administrative duties • *In vivo* assays • Administrative duties • *In Situ* Hybridization

**September 2016 – September 2018 (24 months).** Position: Molecular Biologist. Research Technician.

- Administrative duties • Supervision of students • Confocal Microscopy • Cryostat • PCR

**October 2010 - July 2015 (58 months).** Position: Molecular Biologist. Researcher. PhD Student.

- Cell and bacterial culture • Radioligand binding assays • Histology
- Immunohistochemistry • Bioassays • Western Blot • Transmission Electron Microscopy (T.E.M.)

**March 2009 - September 2010 (19 months).** Position: Molecular Biologist.

• Cell and bacterial culture • Radioligand binding assays • Transfection • PCR • Antipsychotic drug studies

**March 2008 - August 2008 (9 months).** Position: Molecular Biologist.

• Neural activity registration in rodents and monkeys • Bioassays

**July 2007 BSc Training Period (1 month)**

• DNA Extraction • PCR

#### **Selected Courses**

May 2020 Introduction to Project Management Course. Royal Society of Biology.

January 2020 Clinical Research Protocol Development. Course. King's College London.

February 2018 Educating Culture of Care in Animal Research. Queen Mary University of London.

June 2017 Biohazard Laboratory Safety Course (Modules 1 & 2). King's College London.

June 2017 Introduction to Laboratory Safety. King's College London.

September 2016. Home Office Licensee Training Course Certificate. Personal Individual Licence. Modules A + B + C. Royal Society of Biology.

#### **Selected Publications:**

October 2020. Brief sensory deprivation triggers cell type-specific structural and functional plasticity in olfactory bulb neurons. Authors: Elisa Galliano<sup>1</sup>, Christiane Hahn, Lorcan Browne, Paula R. Villamayor, Candida Tufo, Andres Crespo and Matthew S. Grubb<sup>1</sup>. Journal: J Neurosci. Submitted.

February 2017. Tetracyclic truncated analog of the marine toxin gambierol modifies NMDA, tau and amyloid  $\beta$  expression in mice brains: implications in AD pathology. Authors: Alonso E, Vieira AC, Rodriguez I, Alvariño R, Gegunde S, Fuwa H, Suga Y, Sasaki M, Alfonso A, Cifuentes JM, Botana LM. Journal: ACS Chem Neurosci. 2017 Feb 13

March 2016. Heart alterations after domoic acid administration in rats. Authors: Andres C. Vieira, José Manuel Cifuentes, Roberto Bermúdez, Sara F. Ferreiro, Albina Román Castro, Luis M. Botana. Journal: Toxins. 8(3), 68

March 2015. Brain pathology in adult rats treated with domoic acid. Authors: Andrés C. Vieira, Nuria Alemañ, Jose M. Cifuentes, Roberto Bermúdez, Mónica López Peña, Luis M. Botana. Journal: Veterinary Pathology. 2015 Nov;52(6):1077-86.

## Contact information

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