***CURRICULUM VITAE ABREVIADO (CVA)***

***IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.***

## Part A. PERSONAL INFORMATION

| | | | |
|---|---|---|---|
| First name | José Ignacio | | |
| Family name | Rodríguez Crespo | | |
| Gender (*) | Male (He-him) | Birth date (03/05/1967) | |
| Social Security, Passport, ID number | 12373801P | | |
| e-mail | jirodrig@ucm.es | URL Web: https://www.ucm.es/bbm/ | |
| Open Researcher and Contributor ID (ORCID) (*) | | 0000-0002-2582-129X Scopus 6701408703 | |
| Number of *sexenios*: five (last one 2015-2020) | | | |

### A.1. Current position

| | | | |
|---|---|---|---|
| Position | Full Professor (*catedrático*) | | |
| Initial date | Since 09/03/2020 | | |
| Institution | Universidad Complutense de Madrid | | |
| Department/Center | Bioquímica y Biología Molecular | Fac. CC. Químicas | |
| Country | SPAIN | Teleph. number | 91-3944137 |
| Key words | Cannabinoid receptors, protein acylation, protein structure | | |

### A.2. Previous positions (research activity interruptions, indicate total months)

| Period | Position/Institution/Country/Interruption cause |
|---|---|
| 30/06/2010 - 08/03/2020 | Assistant Professor (*Profesor Titular*) |
| 20/12/2007 - 29/06/2010 | "*Profesor Contratado Doctor*" |
| 01/02/2003 - 19/12/2007 | Contract "Ramón y Cajal" |
| 01/01/2002 – 31/01/2003 | Associate Professor |

(Include all the necessary rows)

### A.3. Education

| PhD, Licensed, Graduate | University/Country | Year |
|---|---|---|
| Graduate in Chemistry | Universidad Complutense de Madrid | 1990 |
| PhD in Biochemistry | Universidad Complutense de Madrid | 1994 |

**Part B. CV SUMMARY** *(max. 5000 characters, including spaces)*

Graduated in Chemistry with a specialty degree in Biochemistry from Complutense University in Madrid in 1990, and finished the studies with *extraordinary achievement award* (*Premio Extraordinario de Licenciatura*). PhD thesis from Complutense University under the supervision of Prof. Francisco Gavilanes, working on the immunogenic/structural properties of the surface proteins of hepatitis B virus. Henceforth, went through the PhD thesis oral defence on December 1994. On January 1995 joined the laboratory of Dr. Ortiz de Montellano at the University of California in San Francisco for almost three and a half years, the first two years with a *Ministerio de Educación* postdoctoral fellowship. At UCSF the research focused on the characterization of the newly-discovered nitric oxide synthases, performing structural and functional studies on all three isoforms of mammalian nitric oxide synthases. Back in Spain joined the staff of Complutense University at the Department of Biochemistry and Molecular Biology in 1997, first as associate professor, then assistant professor and eventually as a *Ramón y Cajal Program* hired researcher. Subsequently, tenure-track Assistant Professor (*Profesor Titular de Universidad*) at the Biochemistry and Molecular Biology Department in 2010, and currently Full Professor (*Catedrático*). Supervisor/cosupervisor of seven PhD theses and multiple final-year research projects for undergraduate students. In addition, direction as Principal Investigator of four Research Projects from the "*Plan Nacional*" (BMC2003-05034; BFU2006-05395; BFU2009-10442; BFU2012-37934), two research projects from the "*Comunidad de Madrid*" and one from the "*Universidad Complutense*".

Google Scholar: ~68 peer-reviewed articles; 4881 citations; *h*-index: 28.

Accepted/revised *Sexenios*: 5 (last one in 2020).

Seven PhD theses supervised/cosupervised and two in progress.

## Part C. RELEVANT MERITS

### C.1. Publications *(see instructions)*

1. Maroto IB, Costas-Insua C, Montero-Fernández C, Hermoso-López A, Lebouc M, Bajo-Grañeras R, Álvaro-Blázquez A, Blázquez C, Cannich A, Marsicano G, Martín R, Baufreton J, Rodríguez-Crespo I, Bellocchio L, Guzmán M. GAP43 Located on Corticostriatal Terminals Restrains Novelty-Induced Hyperactivity in Mice.
J Neurosci. 2024 Sep 25;44(39):e0701242024.

2. Costas-Insua C, Hermoso-López A, Moreno E, Montero-Fernández C, Álvaro-Blázquez A, Maroto IB, Sánchez-Ruiz A, Diez-Alarcia R, Blázquez C, Morales P, Canela EI, Casadó V, Urigüen L, Perea G, Bellocchio L, Rodríguez-Crespo I, Guzmán M. The CB1 receptor interacts with cereblon and drives cereblon deficiency-associated memory shortfalls.
EMBO Mol Med. 2024 Apr;16(4):755-783.

3. Maroto IB, Moreno E, Costas-Insua C, Merino-Gracia J, Diez-Alarcia R, Álvaro-Blázquez A, Canales Á, Canela EI, Casadó V, Urigüen L, Rodríguez-Crespo I, Guzmán M. Selective inhibition of cannabinoid CB1 receptor-evoked signalling by the interacting protein GAP43.
Neuropharmacology. 2023 Dec 1;240:109712.

4. Maroto IB, Costas-Insua C, Berthoux C, Moreno E, Ruiz-Calvo A, Montero-Fernández C, Macías-Camero A, Martín R, García-Font N, Sánchez-Prieto J, Marsicano G, Bellocchio L, Canela EI, Casadó V, Galve-Roperh I, Núñez Á, Fernández de Sevilla D, Rodríguez-Crespo I, Castillo PE, Guzmán M. Control of a hippocampal recurrent excitatory circuit by cannabinoid receptor-interacting protein Gap43.
Nat Commun. 2023 Apr 21;14(1):2303.

5. Gómez-Almería M, Burgaz S, Costas-Insua C, Rodríguez-Cueto C, Santos-García I, Rodríguez-Crespo I, García C, Guzmán M, de Lago E, Fernández-Ruiz J. BiP Heterozigosity Aggravates Pathological Deterioration in Experimental Amyotrophic Lateral Sclerosis.
Int J Mol Sci. 2021 Nov 20;22(22):12533.

6. Costas-Insua C, Moreno E, Maroto IB, Ruiz-Calvo A, Bajo-Grañeras R, Martín-Gutiérrez D, Diez-Alarcia R, Vilaró MT, Cortés R, García-Font N, Martín R, Espina M, Botta J, Ginés S, McCormick PJ, Sánchez-Prieto J, Galve-Roperh I, Mengod G, Urigüen L, Marsicano G, Bellocchio L, Canela EI, Casadó V, Rodríguez-Crespo I, Guzmán M. Identification of BiP as a CB1 Receptor-Interacting Protein That Fine-Tunes Cannabinoid Signaling in the Mouse Brain.
J Neurosci. 2021 Sep 22;41(38):7924-7941.

**C.2. Research projects**, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

Recent Research projects as team member:

Title: “Identificación y caracterización de subpoblaciones del receptor CB1 cannabinoide con actividad neuroprotectora”.
Reference: Mineco (SAF2015- 64945-R).
Universidad Complutense.
From January 2016 until December 2018.
IP: Manuel Guzmán Pastor

Title: “En busca de nuevos interactores del receptor CB1 cannabinoide”.
Reference: RTI2018-095311-B-I00
Universidad Complutense.
From January 2019 until December 2021 (postponed until the fall of 2022).
IP: Manuel Guzmán Pastor

Title: “El receptor CB1 cannabinoide como posible nexo molecular en discapacidad intelectual no sindrómica”.
Reference: PID2021-125118OB-I00 MICINN- Programa Estatal I+D+i Retos
Universidad Complutense de Madrid
From September 2022 until August 2025.
IP: Manuel Guzmán Pastor
Title: “Ubiquitinación del receptor CB1: ¿un nuevo mecanismo molecular de tolerancia a cannabinoides?
Reference: PID2024-156496OB-I00 MICINN- Proyectos de generación de conocimiento
From September 1st 2025 until August 31st 2028
IP: Manuel Guzmán Pastor

**C.3. Contracts, technological or transfer merits**, Include patents and other industrial or intellectual property activities (contracts, licenses, agreements, etc.) in which you have collaborated. Indicate: a) the order of signature of authors; b) reference; c) title; d) priority countries; e) date; f) Entity and companies that exploit the patent or similar information, if any.

None.