

Part A. PERSONAL INFORMATION		CV date		13/10/2019
First and Family name	Pilar Flores Cubos			
Social Security, Passport, ID number	50429598M	Age	55	
Researcher numbers	Researcher ID	B-9217-2008		
	Orcid code	0000 0001 7950 2086		

A.1. Current position

Name of University/Institution	University of Almeria			
Department	Psychology			
Address and Country	La Cañada de San Urbano, 04120 Almería			
Phone number	950014632	E-mail	pflores@ual.es	
Current position	Professor	From	09/03/2010	
Espec. cód. UNESCO	6101 6106			
Palabras clave	Individual differences, impulsivity, compulsivity, tDCS, fNIRS			

A.2. Education

PhD	University	Year
PhD in Psychology	National University of Distance Education (UNED)	1993

A.3. JCR articles, h Index, thesis supervised...

- 5 research six-year periods (date of the last: 2018).
- 6 directed Doctoral Thesis in the last 10 years.
- 47 articles indexed in JCR, 18 are Q1 and 22 Q2.

Fuente: Research ID:

Total Articles in Publication List: **50**

Average citations per year: **26.1**

Sum of the Times Cited: **758**

Average Citations per Article: **15.2**

h-index: **16**

Last Updated: **12/10/2019 10:27 GMT**

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Current position: Professor in Experimental Psychology, University of Almeria. Laboratory of Neuroscience (from 2010 onwards).

Academic degrees: PhD degree in Psychology in 1993 by the National University of Distance Education (UNED), Madrid, Spain. Post-Doctoral stay in Dept. of Neuropharmacology, Scripps Research Institute, La Jolla, California, USA (1997). Associate Lecturer of the Dept. of Psychology, University of Almería (1994-1996). Permanent Lecturer of the Dept. of Psychology, University of Almería (1997-2010).

Research Areas: My research interests are focused on the translational research of the neurobehavioral and neurofunctional mechanisms of impulsive/compulsive spectrum disorders, and Neurorehabilitation.

Meetings, supervising experience and other scientific activities:

- Head and Founding Partner of the Spin-off of the University of Almeria "Institute for Child Neurorehabilitation InPaula" (from 2008 - onwards)
- Member of the scientific committee of the Andalusian observatory on drugs and addictions (From 2017 - onwards)
- Head of the Research Transfer Office of the University of Almería (2005-2008)
- Reviewer for the following journals: Psychopharmacology, Neurotoxicology and Teratology, Hormones and Behavior, Schizophrenic Research, Molecular Neurobiology, Behavioural Processes, International Journal of Psychophysiology, Behavioral Brain Research, Drug and Alcohol Dependence, Neuropharmacology, Learning and Behaviour.

- Reviewer of research grants for the Spanish Agency of Research Evaluation and for the Netherlands Brain foundation.
- Chair and Organizer of the XXII International Congress of the Spanish Society in Comparative Psychology, Almería, Spain, 22-24 Sept. 2010
- Organizer of the Symposia “Animal models of Polydipsia: new insights for compulsive disorders. Joint Meeting of the European Brain and Behaviour Society and European Behavioural Pharmacology Society, Verona, Italy 12-15 Sept, 2015.
- Experience supervising psychology/psychiatry/pharmacology/veterinary/neurology Master and PhD students.

Part C. RELEVANT MERITS (10 more relevant of the last 10 years)

C.1. Publications (including books).

Merchán, A., Sánchez-Kuhn, A., Prados, A, Gago, B., Sánchez-Santed, F., Moreno, M., **Flores, P.** (2019). Behavioral and biological markers for predicting compulsive-like drinking in schedule-induced polydipsia. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 93:149-160. doi: 10.1016/j.pnpbp.2019.03.016

Mora S, Martín-González E, Prados-Pardo A, **Flores P**, Moreno M (2019). Neuropsychiatric consequences of Childhood Group A Streptococcal infection: translating research into preclinical models. *Brain, Behavior and Immunity*, S0889-1591(19)30214-4.

Merchán, A., Mora, S., Gago, B., Rodríguez-Ortega, E., Fernández-Teruel, A., Puga, J.L., Sánchez-Santed, F., Moreno, M. and **Flores, P.** (2018) Excessive habit formation in schedule-induced polydipsia: Microstructural analysis of licking among rat strains and involvement of the orbitofrontal cortex. *Genes, Brain and Behavior*, e12489. doi:10.1111/gbb.12489.

Sánchez-Kuhn, A., León, J.J., Gôngora, K., Pérez-Fernández, C., Sánchez-Santed, F., Moreno, M. y **Flores, P.** (2017). Go/No-Go task performance predicts differences in Compulsivity but not in Impulsivity Personality Traits. *Psychiatry Research*, 257, 270-275. doi:10.1016/j.psychres.2017.07.064

Navarro S.V., Alvarez R., Colomina M.T., Sanchez-Santed F., **Flores P.**, y Moreno M. (2017). Behavioral Biomarkers of Schizophrenia in High Drinker Rats: A Potential Endophenotype of Compulsive Neuropsychiatric Disorders. *Schizophrenia Bulletin*, 43, 778-787. doi:10.1093/schbul/sbw141

Pérez-Fernández, C., Sánchez-Kuhn, A., Cánovas, R., **Flores, P.** & Sánchez-Santed, F. (2016). The Effect of Transcranial Direct Current Stimulation (tDCS) over the Human Motor Function. *Bioinformatics and Biomedical Engineering*. Volume 9656 of the series Lecture Notes in Computer Science, Ed. Springer, pp. 478-494. http://dx.doi.org/10.1007/978-3-319-31744-1_43

Montes de Oca, L., Moreno, M, Cardona, D., Campa, L, Suñol, C, Galofre, M, **Flores P.**, y Sánchez-Santed, F. (2013). Long-term compulsivity on the 5-choice serial reaction time task after acute Chlorpyrifos exposure. *Toxicology Letters*, 216, 73-85.

Moreno, M. and **Flores, P.** (2012) Schedule-induced polydipsia as a model of compulsive behavior: neuropharmacological and neuroendocrine bases. *Psychopharmacology*, 219, 647-659

Moreno, M., Fernández, MA, Zaldivar, F, Montes, J, Gutierrez, V, Esteban, L, Sánchez-Santed F y **Flores P** (2012) Impulsivity differences in recreational cannabis users and binge drinkers in a University population. *Drug and Alcohol Dependence*, 124, 355-362. doi: 10.1016/j.drugalcdep.2012.02.011

Moreno, M, Cardona, D, Gómez, MJ, Sánchez-Santed, F, Tobeña, A, Fernández-Teruel, A, Escarabajal, MD, Torres, C, **Flores P** (2010) Impulsivity characterization in the Roman High -

(RHA) and Roman Low – (RLA) avoidance rats strains: behavioural and neurochemical differences. *Neuropsychopharmacology*, 35, 1198-1208

C.2. Research projects and grants.

Title: Translational study of vulnerability to deficit in inhibitory control due to immune activation and stress. **Financing entity:** Ministry of Economy and Competitiveness (PSI2015-70037-R). **Duration**, from: 2016 to: 2018. **Grant:** 40,000.00 euros. **PIs:** Margarita Moreno and Pilar Flores Cubos

Title: Schedule-induced polydipsia as a model of compulsive behavior: neurochemical and neuroanatomical implications on vulnerability to deficit in inhibitory control. **Funding entity:** Ministry of Science and Innovation (PSI2012-31660). **Duration**, from: 2013 to: 2015. **Grant:** 36,300.00 euros. **PI:** Pilar Flores Cubos

Title: Impulsive decision-making vs. impulsive actions: behavioral and neurochemical differences. **Funding entity:** Ministry of Science and Innovation (PSI2009-08626) **Duration**, from: 2010 to: 2012. **Grant:** 62,920.00 euros. **PI:** Pilar Flores Cubos

Title: Neurobehavioral mechanisms of differential vulnerability to impulsivity. **Funding entity:** Ministry of Education and Science (SEJ2006-15226-C02-01). **Duration:** from 2006 to 2009. **Grant:** 42.350,00 euros. **PI:** Pilar Flores Cubos

C.3. Contracts and Transfer.

Title: Transcranial electrical stimulation and the use of new technologies for the effective treatment and rehabilitation of resistant to treatment symptoms. **Company:** Institute for Child Neurorehabilitation InPaula. **Duration:** 2018/19. **PIs:** Pilar Flores, Fernando Sánchez-Santed. **Total price of the project:** 15,800 Euros

Title: Effect of the Mediterranean diet in perimenopausal women. **Company:** Empresa Biosabor, Almería. **Duration:** 2017. **PIs:** Fernando Sánchez-Santed, Pilar Flores and Margarita Moreno. **Total price of the project:** 9,500 Euros

Title: Longitudinal study of the evolution of recreational consumption in university students: determination of the impulsivity-risk perception interaction as determining factors for prevention. **Reference:** 300424- Convenio UAL-Consejería para la Igualdad y Bienestar Social en materia de Drogodependencias y Adicciones. **Duration:** 2008/20011. **Total Price of the Project:** 8,000 Euros.

Head and Founding partner of the Institute for Child Neurorehabilitation InPaula, SL., Spin-off of the University of Almería (2010-onwards).

C.4. Institutional responsibilities.

Member of the scientific committee of the Andalusian observatory on drugs and addictions (April 2017-onwards)

Member of the advisory committee nº7: Social Sciences, Behaviour and Education of the National Commission for the Evaluation of Research Activity (CNEAI):01/02/2015-31/12/2016

Member of the Commission on Accreditation for access to the body of University Professors in the field of Social Sciences and Law, from 05/10/2012 to 30/01/2015.

C.5. Awards.

Recognition as "Genial Woman" by the platform "Nosotras", and participation in the exhibition "Traces of Great Women" in the Council of Almería, May 2107.

C.6. Invited Conferences.

“Traslational Research”. Invited Simpoisum at the XXXI International Congress of the Spanish Society of Camparative Psychology, Málaga, Spain. September 16-18, 2019.

“Inhibition and Flexibility: the canaries in the coal mine”. XXX International Congress of the Spanish Society of Comparative Psychology, Ávila, Spain, September 12-14, 2018.

“Personality traits and impulsivity as vulnerability factors for the use and abuse of substances and other addictions”. I International Days of work use and abuse of drugs and other addictive. Department of Nursing, University of Seville, Seville, June 2018.

“Applications of basic neurobiological research related to psychology”. Universidad Complutense, faculty of Psychology, at the Juan Huarte de San Juan. February 2015

<http://www.historiasdeluz.es/con-luz-propia/en-la-ciencia/noticias-andalucia-neurorehabilitacion-inpaula>. Diciembre, 2014

“The psychology of impulse control”. Guest conference of the Spanish Society of Clinical Psychology and Health (Sepcys) Almería, October, 2014.

Polydipsia induced by program as a model of compulsive behavior: neurochemical and neuroanatomical implications on vulnerability to deficit in inhibitory control. Invited lecture at the Institute of Neurosciences of the University of Barcelona, July, 2014.

C.7. Memberships of scientific societies

Member of the scientific committee of the Spanish Society for Comparative Psychology
Member of the Spanish Society for Experimental Psychology
Member of the European Behavioural Pharmacology Society

C.8. PhDs and Papers associated (Last 5 years).

1. Ana Merchán Carrillo. **Title:** Schedule-induced polydipsia as a model of compulsive behavior. Excessive habit formation and neurobiological substrate. **Defence:** 14/12/2018.

- Merchán et al. (2019) Progr Neuro-Psychophar Biological Psy. 93:149-160.

- Merchán et al., (2018) Genes Brain Behav., e12489.

- Merchán et al., (2017). Psychopharmacology (Berl), 7;143,10-19.

2. Santiago Mora Parada. **Title:** Neurobiological and immune mechanisms underlying inhibitory control deficit: Preclinical studies. **Defence:** 30/11/2018

- Mora et al. (2019) Brain, Behavior and Immunity, S0889-1591(19)30214-4.

- Mora et al. (2018) Neuropharmacology, 143; 10-19

3. Ana Sánchez-Kuhn, **Title:** Neuromodulation of the human motor function and motor inhibition with transcranial direct current stimulation (tDCS). **PhD Presented:** 01/12/17

- Sánchez-Kuhn, et al., (2018). Frontiers in Psychology, 257, 270-275.

- Sánchez-Kuhn, et al., (2017). Psychiatry Research, 257, 270-275

- Sánchez-Kuhn, et al., (2017). Biomedical Engineering Online, 16 (Suppl 1) :76

- Pérez-Fernández, C., Sánchez-Kuhn, A., et al., (2016). Bioinformatics and Biomedical Engineering. Vol. 9656 of the series Lecture Notes in Computer Science, Springer, 478-494.

4. Silvia Victoria Navarro Murcia, **Title:** Compulsive drinking in Schedule-induced Polydipsia as a feature of vulnerability to psychopathology: implications of serotonin in its development and maintenance. **PhD presented** January 2016.

- Navarro et al. (2016). Schizophrenia Bulletin, 43, 778-787.

- Navarro et al. (2015). Psychopharmacology, 232, 683-697.