

Part A. PERSONAL INFORMATION		CV date	01-09 -2018
First and Family name	Isabel de Brugada Sauras		
Social Security, Passport, ID number	25145160L	Age	52
Researcher numbers	Researcher ID	K-4052-2014	
	Orcid code	0000-0001-9778-7185	

A.1. Current position

Name of University/Institution	University of Granada		
Department	Experimental Psychology /CIMCYC		
Address and Country	Cuesta de Cartuja s/n, Spain		
Phone number	958249419	E-mail:	dbrugada@ugr.es
Current position	Full Professor	From	28-12-2017
Espec. cód. UNESCO			
Palabras clave	Associative learning, exposure effects, perceptual learning, animal models, diet.		

A.2. Education

PhD	University	Year
Psychology	Universidad Complutense de Madrid	1994

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

- a) Total number of citations: 321
- b) Average number of citations during the last five years: 143
- c) Total JCR articles: 35 (14-Q1)
- d) H-index: 10
- e) Thesis supervised: 4 (plus 2 on goin)
- f) Sexennial of research recognized by ANECA: 4

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

My research began in 1989 with a collaboration grant and later with an FPI grant with Dr. García-Hoz at the UCM where my interest in the phenomena of exposure in associative learning arose. I did research in both the UCM laboratory (with Dr. Garcia-Hoz) and the neuroscience laboratory at York University, under the supervision of Dr. Hall (with whom I have enjoyed ongoing collaboration to date). My thesis, co-directed by both of them, received the extraordinary prize from the Complutense University of Madrid. The results of this thesis led to a research contract at the Dept. of Psychology at the University of York to further develop the proposed hypotheses. In 1995, in collaboration with Dr. Hall and Dr. Aguado (UCM), I initiated research on the mechanisms responsible for the effect of exposure to motivational stimuli on flavor-conditioned aversion, a topic that has been the main focus of my research. This research, continued at the University of Granada (since 1996) has been funded by multiple research projects (PB95-0355; PB98-1362; BSO2003-01327; SEJ2006-13851; P07-HUM-02763; PSI2009-07513). The findings obtained in this line of work were recognized by the prestigious American database "Conditioned taste aversion: An annotated bibliography" directed by Dr. A.L. Riley and Dr. K.B. Freeman of the American University (Washington), who devoted their "highlight" of January 2007 to Dr. De Brugada (the first time that the work of a Spanish researcher was included in this list). http://w.american.edu/cas/psychology/cta/highlights/De_Brugada_Highlight.pdf. This research led to two interesting collaborations. One with Dr. Gallo of the UGR, aimed at examining the underlying neural circuits involved and a second with Dr. Riley of the American University (Washington), aimed at studying the effects of pre-exposure to recreational drugs. Currently, I am also carrying out two other lines of research. One of them is aimed at the study of the effects of choline supplementation in the diet on memory and

attention processes, in collaboration with Dr. Gallo from the UGR and Dr. Moreno and Dr. Carias of the Simon Bolivar University of Venezuela (projects P07-HUM-02763; PSI2009-07513 and PSI2012-31641) and the younger line of research, continuing with the interest in the study of exposure effects, which aims to study common mechanisms in perceptual learning in animals and humans (PSI2012-31641, PSI2015-6373737-P) and their implications in eating behaviour, in collaboration with Dr. Hall of the U. of York, Dr. Honey of the U. of Cardiff and Dr. Boakes of the U. of Sidney.

This research carried out in the last 28 years has created and fostered research networks between groups of different universities that are still in force today (U. Complutense of Madrid; U. of York; U. of Granada; American University, U. Simon Bolivar of Venezuela, U. of Cardiff) and has been subsidized throughout this time without interruption by the MEC, MCYT, DGICYT, MICINN, MINECO, Junta de Andalucía, British Council and York University Research Priming Fund. It has given rise to multiple publications in magazines of impact in the area and the results have been disseminated in a good number of national and international congresses.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Moreno, H & de Brugada, I. (2019) Prenatal dietary choline supplementation modulates long-term memory development in rat offspring, *Nutritional Neuroscience*, DOI: [10.1080/1028415X.2019.1641294](https://doi.org/10.1080/1028415X.2019.1641294)

Recio, S. A., Iliescu, A. F., & de Brugada, I. (2019). The amount of exposure determines generalization in animal perceptual learning using short inter-stimulus intervals. *Behavioural processes*, 166, 103900. <https://doi.org/10.1016/j.beproc.2019.103900>

González, A., Recio, S. A., Sánchez, J., Gil, M., & de Brugada, I. (2018). Effect of exposure to similar flavours in sensory specific satiety: Implications for eating behaviour. *Appetite*, 127, 289–295. doi: [10.1016/j.appet.2018.05.015](https://doi.org/10.1016/j.appet.2018.05.015). Q1

Moreno, H., Hall, G., Gallo, M., & de Brugada, I. (2018). Dietary Choline Supplementation in Adult Rats Improves Performance on a Test of Recognition Memory. *Behavioural Brain Research*. <https://doi.org/10.1016/j.bbr.2018.04.030> Q2

Recio, S, Iliescu, A. & de Brugada, I. (2018) The role of stimulus comparison in animal perceptual learning: Effects of a distractor placement. *Quarterly Journal of Experimental Psychology*. <https://doi.org/10.1177/1747021818757101> Q2

Gil, M., Symonds, M., Hall, G. & de Brugada, I. (2017) Flattening of a Generalisation Gradient Following a Retention Interval: Evidence for Differential Forgetting of Stimulus Features. *Behavioural Processes*. 145, 10-14. doi.org/10.1016/j.beproc.2017.09.016 Q1

Moreno, H, Carias, D. & de Brugada, I. (2017). Dietary choline during periadolescence attenuates cognitive damage caused by neonatal maternal separation in male rats *Nutritional neuroscience* 20 (6), 327-335. DOI: [10.1080/1028415X.2015.1126444](https://doi.org/10.1080/1028415X.2015.1126444) Q1

Recio, S. A., Iliescu, A. F., Mingorance, S.P., Bergés, G. D., Hall, G., & de Brugada, I. (2016). The Role of Instructions in Perceptual Learning Using Complex Visual Stimuli. *Journal of Experimental Psychology. Animal Learning and Cognition*. 42, 359–365. DOI: [10.1037/xan0000113](https://doi.org/10.1037/xan0000113) Q1

Recio, S.A., Iliescu, A., Berges, G., Gil, M. & de Brugada, I. (2016). The Effect of Additional Exposure to the Unique Features in a Perceptual Learning Task Can Be Attributed to a

Location Bias. *Journal of Experimental Psychology: Animal Learning and Cognition*, 42(2), 228–232. DOI:[10.1037/xan0000113](https://doi.org/10.1037/xan0000113) Q1

Gámiz, F., Recio, S., Illiescu, A., Gallo, M & de Brugada, I. (2015). Effects of dietary choline availability on latent inhibition of flavor aversion learning. *Nutritional Neuroscience*, 18, 275-280. DOI:[10.1179/1476830514Y.0000000129](https://doi.org/10.1179/1476830514Y.0000000129) Q2

Moreno, H., de Brugada I. & Hall, G. (2013). Chronic Dietary Choline Supplementation Modulates Attentional Change in Adult Rats. *Behavioural Brain and Research*, 243, 278 – 285. DOI:[10.1016/j.bbr.2013.01.022](https://doi.org/10.1016/j.bbr.2013.01.022) Q2

Rohlf, P., Gámiz, Gil, M., Moreno, H., Márquez, R., Gallo, M. & de Brugada I. (2013). Providing choice increases children's vegetable intake. *Food Quality and Preference*, 30, 108-113. <https://doi.org/10.1016/j.foodqual.2013.05.006> Q1

C.2. Research projects and grants

PGC2018-095965-B-I00. Analisis del aprendizaje por exposicion a estímulos: implicaciones teoricas y practicas.

Ministerio de Ciencia Innovación y Universidades (Proyectos de I+D de generación de Conocimiento, 2018).

Principal Investigator. Isabel de Brugada Sauras (UGR)

From: 01/01/2019 to 31/12/2021 Amount:

Participation: Principal Investigator

EQC2018-005467-P. Equipamiento e Instalación de Infraestructura para el Laboratorio de Experimentación Animal.

Ministerio de Ciencia Innovación y Universidades (Ayudas para la adquisición de equipamiento científico-técnico correspondiente al subprograma estatal de infraestructuras de investigación y equipamiento científico-técnico (Plan Estatal I+D+I 2017-2020).

Principal Investigator. Isabel de Brugada Sauras (UGR)

From: 2018 To: 2020 Amount 359.337,30 €

Participation: Principal Investigator

PSI2015-6373737-P. Perceptual learning in animals and humans: comparison and modulation of salience.

MINECO (Non-Targeted Fundamental Research Projects 2015)

Principal Investigator. Isabel de Brugada Sauras (UGR)

From: 01/01/2016 To: 31/12/2019 Amount 70.180 €

Participation: Principal Investigator

PSI2012-31641. Common mechanisms in perceptual learning in animals and humans.

MINECO (Non-Oriented Fundamental Research Projects 2012)

Principal Investigator. Isabel de Brugada Sauras (UGR)

From: 01/01/2013 Until: 31/12/2016 Amount. 40.950,00 €

Participation: Principal Investigator

PSI2009-07513. Effects of stimulus exposure on associative learning: changes in the effectiveness of motivational stimuli

MICINN (Non-Targeted Fundamental Research Projects 2009)

Principal Investigator. Isabel de Brugada Sauras (UGR)

From: 01/01/2010 To: 31/12/2012 Amount. 127.000,00 €

Participation: Principal Investigator

PSI2010-11726-E. Organisation of the 23rd International Congress of the SEPC

Principal Investigator: Isabel de Brugada Sauras

Ministry of Science and Innovation (MICINN)

Principal Investigator. Isabel de Brugada

From: 01/05/2011 Until: 01/05/2012 Amount. 12.000,00 €
Participation: Principal Investigator

P07-HUM-02763. Development, learning, brains and education
Ministry of Economy, Innovation and Science. Projects of Excellence (CCAA)
Principal Investigator. Milagros Gallo (UGR)
From: 01/01/2008 Until: 31/12/2012 Amount. 200.000,00 €
Participation: Researcher

JJAA-1/2008. Changes in stimulus discrimination: the role of contextual factors
Principal Investigator: Isabel de Brugada Sauras
Department of Innovation, Science and Enterprise. Regional Government of Andalusia
Principal Investigator. Isabel de Brugada Sauras (UGR)
From: 15/10/2008 Until: 15/08/2009 Amount: 10.363, 00 €
Participation: Principal Investigator

SEJ2006-13851. Learning contents and mechanisms involved in the paradigm of preference conditioned by flavour: analysis of the associative structure in acquisition and extinction
EQF (Non-targeted Basic Research Projects 2006)
Principal Investigator. Felisa González Reyes (UGR)
From: 01/10/2006 To: 01/10/2009 Amount. 47.300,00 €
Participation: Researcher

C.3. Contracts

C.4. Patents

C.5. Membership of Research Groups and Scientific Societies

- Research Group of the Regional Government of Andalusia (CTS-176) "Learning, Emotion and decision" (1998-2003)
- Member of the Research Group of the Regional Government of Andalusia (CTS-1003) "Neuroplasticity and Learning (2004 - present)
- Spanish Society of Experimental Psychology (SEPEX) since 2009
- Experimental Psychology Society (EPS) since 2012
- Psychonomic Society, 2016
- Spanish Society of Comparative Psychology (SEPC) since 1990. President in 2010/2011.

C.6. Invited conferences in recent years

- de Brugada (2012). The US-Preexposure Effect in Flavor Preference Conditioning: Underlying Mechanisms. Presented at Congreso de la Experimental Psychology Society, April 2012, Hull (United Kingdom).
- de Brugada (2013). Tribute to Dr. Hall. Presented at XXV International Congress of the Spanish Society for Comparative Psychology, September 2013, San Sebastián (España).
- de Brugada & Recio, S. (2017). The stimulus comparison process in perceptual learning. Presented at XXIX International Congress of the Spanish Society for Comparative Psychology, September 2017, Oviedo (España).

C.7. Scientific review and management

- Ad hoc reviewer of the following journals; Behavioural Processes, The Spanish Journal of Psychology, Psicológica, Revista Colombiana de Psicología, Quarterly Journal of Experimental Psychology, Pharmacology, Biochemistry and Behavior, Learning and Behavior, Learning and Motivation and Physiology & Behavior.
- External evaluator of the Valenciana Agency for Evaluation and Foresight (AVAP) since 2011
- ANEP Evaluator since 2016.

- External evaluator of the Research Councils UK (RCUK), in the BBSRC Scheme since 2012
- President of the Organizing Committee of the XXIII International Congress of the SEPC and member of the scientific committee of the SEPC since 2010.
- Associate Editor of *Psicológica* since January 2017.

C.8. Awards

- Extraordinary Doctoral Thesis Prize (1993-94), Faculty of Psychology, Complutense University of Madrid.
- Recognition of the research career in the prestigious database "Conditioned taste aversion: An Annotated Bibliography" directed by A. Riley and K Freeman of the American University (Washington) in January 2007. First inclusion of the work of a Spanish scientist in this series of Highlights, started in 2005 with Dr. John Garcia. and that has included renowned specialists in the area such as Bures, Rozin and Domjan among others.