



Irune Fernández Prieto

Date of birth: 20/05/1986 | **Nationality:** Spanish | **Gender:** Female | (+34) 654451403 |

(+39) 3887933582 | irunefernandez@gmail.com |

https://www.researchgate.net/profile/Irune_Fernandez-Prieto |

Corso Bettini 31, 38068, Rovereto, Italy

● WORK EXPERIENCE

21/02/2018 – CURRENT – Spain

ASSISTANT PROFESSOR – OPEN UNIVERSITY OF CATALONIA (UOC)

Assistant Professor of Psychology of Perception. Degree of Psychology.

Barcelona, Spain

20/12/2018 – 19/12/2020 – Italy

POSTDOCTORAL RESEARCHER – UNIVERSITY OF TRENTO

Member of Multisensory Research Group (<https://www.cimec.unitn.it/en/577/multisensory-research-group>), the CIMEC - Centro Interdipartimentale Mente/Cervello at the University of Trento

Lines of Research:

(1) *Food perception in people with obesity*: Keywords: Crossmodal perception, food perception, obesity, Experimental Psychology, Human behaviour.

(2) *Olfactory perception of food*: Keywords: food perception, olfactory imagination, Experimental Psychology, Human behaviour.

Rovereto, Italy

01/03/2017 – 19/12/2018 – Spain

POSTDOCTORAL RESEARCHER – UNIVERSITY OF BALEARIC ISLANDS

Member of the Neuropsychology and Cognition research group (www.neurocog-uib.com), the Research Institute for Health Sciences (iUNICS) at the University of the Balearic Islands, and Palma's Research Institute for Health Science (IdISPa).

Lines of Research:

(1) *Towards a more integrative understanding of distraction by unexpected sounds*: Keywords: Auditory distraction, Attention, Experimental Psychology, Human behaviour.

Palma, Spain

01/10/2011 – 22/12/2016 – Spain

PREDOCTORAL RESEARCHER – UNIVERSITY OF BARCELONA

Member of the Experimental Psychology and Brain Disorders Lab and the APAL Lab (Attention, perception and acquisition of language - <http://www.ub.edu/APAL/>). Doctoral Thesis: <http://diposit.ub.edu/dspace/handle/2445/108275>

(1) *Spatial encoding of the sound pitch (SMARC EFFECT)*. Perceiving music could not only consist of organizing sounds 'in time', but also 'in space'. Keywords: multisensory perception; crossmodal correspondences; music; visuospatial perception; auditory perception; music.

(2) *Perceptual mechanisms of temporal realignment*. Mechanisms that allow our brain to re-synchronize multisensory signals that arrive at us asynchronously. Keywords: time; audiovisual integration; auditory perception; visual perception; temporal recalibration.

Barcelona, Spain

● EDUCATION AND TRAINING

12/02/2018 – 28/07/2018 – Palma, Spain

POSTGRADUATE CERTIFICATE IN TEACHING TECHNIQUES – Irie Institute. Department of Education. University of Balearic Islands

EQF level 8

01/10/2011 – 22/12/2016 – Barcelona, Spain

PHD IN EXPERIMENTAL PSYCHOLOGY – University of Barcelona

Jordi Navarra Ordoño & Ferran Pons Gimeno

Summa Cum Laude | Development and neural bases of the spatial recoding of acoustic pitch | EQF level 8

15/10/2010 – 20/09/2011 – Palma, Spain

MA IN COGNITION AND HUMAN EVOLUTION – University of Balearic Islands

Thesis supervisor: Marcos Nadal Roberts

Comparison of "Assessment of Art Attributes" in Spanish sample and in North American sample | EQF level 7

01/10/2005 – 15/07/2010

DEGREE IN PSYCHOLOGY ('LICENCE': 5 YEARS DEGREE) – University of Balearic Islands

EQF level 7

● LANGUAGE SKILLS

Mother tongue(s): SPANISH

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ITALIAN	B2	B2	B2	B2	B1
CATALAN	C2	C2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ORGANISATIONAL SKILLS

Project management

Course: "**Fundamentals of Project Planning and Management**" Online (USA) University of Virginia. 01/04/2020 to 29/04/2020 (4 weeks).

Course: "**What is my profile in conflict management?**" Palma (Spain) University of the Balearic Islands. 16/10/2017 to 19/10/17 (10h).

● **DIGITAL SKILLS**

Microsoft Office | Basic Image editing (GIMP) | Sound editing Audacity

Data analysis

Using data analytical software (IBM SPSS IBM Amos R-Packages PSPP JASP) | Jamovi software

Software for behavioral research

OpenSesame experimental software | PsychoPy | E-Prime

Psychophysiological techniques

EEG | Eye tracking | Transcranial Direct-Current Stimulation

Programming skills

Python (Beginner) | MATLAB (Beginner)

● **PROJECTS**

01/06/2020 – 31/05/2023

Crossmodal representation of perceptive traits and emotions: brain mechanisms, effects of task and development in childhood

Research grant from the Spanish Ministry of Economy and Competitiveness. Principal Investigator.: Jordi Navarra Ordoño

01/12/2018 – 30/11/2019

Obesity and food perception

Research grant from Comune di Rovereto (Trento) (50.000€). Principal investigator: Massimiliano Zampini

01/01/2016 – 31/12/2018

Fighting the eating disorders associated with chemotherapy in children

Research grant from Asociación española contra el cáncer (AECC) (75.000€). Principal investigator: Jordi Navarra Ordoño

30/07/2015 – 29/07/2019

Toward a more integrative understanding of distraction by unexpected sounds

Research grant from the Spanish Ministry of Economy and Competitiveness (181.500€). Principal investigator: Fabrice Parmentier

01/01/2013 – 31/12/2015

Spatial Recoding of Sound

Research grant from the Spanish Ministry of Economy and Competitiveness (87.750€). Principal investigator: Jordi Navarra

01/01/2010 – 31/12/2012

Perceptual mechanisms of temporary recalibration

Research grant from the Spanish Ministry of Economy and Competitiveness (79.134 €). Principal investigator: Jordi Navarra

● CITATIONS

Citations

Total citations: 110 (Google Scholar); 81 (ResearchGate); 49* (ResearcherID-Publons)

h-index: 6 (Google Scholar); 5 (ResearchGate); 4 (ResearcherID-Publons)

ResearchGate statistics: 1513 total publication views; 18.53 RG score; Percentile of ResearchGate's 15 million members, 70%

Number of JCR articles: 9 (5 of them published in Q1 journals)

Number of preprint articles: 2

*Publons does not include in its data book chapters.

● PUBLICATIONS

Publications 2017-2020

Navarra, J., & **Fernández-Prieto, I.** (2020) Perceptual association enhances intersensory temporal precision. *Cognition*, 194, 104089.

Mollica, M. A., Tort, A., Navarra, J., **Fernández-Prieto, I.**, Valech, N., Olives, J., León, M., Lleó, A., Matínez-Lage, P., Sánchez-Valle, R., Molinuevo, J. L. and Rami, L. (2019) Early detection of subtle motor dysfunction in cognitively normal subjects with amyloid- β positivity. *Cortex*, 121, 117-124

Romero-Rivas, C., Vera-Constán, F., Rodríguez-Cuadrado, S., Puigcerver, L., **Fernández-Prieto, I.**, & Navarra, J. (2018) Seeing music: The perception of melodic "ups" and "downs" modulates the spatial processing of visual stimuli. *Neuropsychologia*, 117, 67-74.

Fernández-Prieto, I. & Navarra, J. (2017) The higher the pitch, the larger its crossmodal influence on visuospatial processing. *Psychology of Music*, 0305735616684205.

Fernandez-Prieto, I., Spence, C., Pons, F., & Navarra, J. (2017). Does Language Influence the Vertical Representation of Auditory Pitch and Loudness? *i-Perception*, 8(3), 2041669517716183.

Publications 2014-2017

Fernández-Prieto, I., Caprile, C., Tinoco-González, D., Ristol-Oriols, B., López-Sala, A., Póo-Argüelles, Pons, F. & Navarra, J. (2016) Pitch perception deficits in nonverbal learning disability. *Research in Developmental Disabilities*, 59, 378-386.

Fernández-Prieto, I., Navarra, J. & Pons, F. (2015) How big is this sound? Crossmodal association between pitch and size in infants. *Infant behavior and development*, 38, 77-81.

Mollica, M. A., Navarra, J., **Fernández-Prieto, I.**, Olives, J., Tort, A., Valech, N., Coll-Padrós, N., Molinuevo, J. L. and Rami, L. (2015) Subtle visuomotor difficulties in preclinical Alzheimer's disease. *Journal of Neuropsychology*.

Navarra, J., **Fernández-Prieto, I.** & Garcia-Morera, J. (2014) Realigning thunder and lightning: Temporal adaptation to spatiotemporally distant events. *PLoS one*, 8(12), e84278.

Publications and Data collection in Open Science Platforms

Preprints in PsyArXiv:

Fernandez-Prieto, I., Pons, F., & Navarra, J. (2020, December 9). Consolidation of crossmodal correspondences between auditory pitch and spatial features in childhood. Retrieved from psyarxiv.com/w2b8s

Molina, E., Fernandez-Prieto, I., Andres, P., & Parmentier, F. B. R. (2020, July 15). Opposite effects of transcranial direct current stimulation (tDCS) on sustained attention in individuals with high and low levels of dispositional mindfulness. <https://doi.org/10.31234/osf.io/8ynca>

Supplemental materials in Open Science Framework (OSF)

Fernandez-Prieto, I., Pons, F., & Navarra, J. (2020, November 18). Consolidation of crossmodal correspondences between auditory pitch and spatial features in childhood. Retrieved from <https://osf.io/hmv26/>

Fernandez-Prieto, I. (2020, October 29). Food visual cues are less susceptibility to size-contrast illusions than non-food cues in individuals with obesity and normal-weight (Opensesame experiments). Retrieved from <https://osf.io/ju6ez/>

Supplemental materials for preprint: Opposite effects of transcranial direct current stimulation (tDCS) on sustained attention in individuals with high and low levels of dispositional mindfulness (2020, July 15). <https://osf.io/wdm8n/>

Supplemental materials for the publication: Perceptual association enhances intersensory temporal precision (2020, July 14). <https://osf.io/kv5nm/>

Chapters in collective volumes

Deroy, O., **Fernandez-Prieto, I.**, Navarra, J., & Spence, C. (2018) Unravelling the paradox of spatial pitch. In T. L. Hubbard (Eds.), *Spatial biases in perception and cognition*. Cambridge, UK: Cambridge University Press.

● CONFERENCES AND SEMINARS

Posters 2015-2020

Fernández-Prieto, I., Scarpina, F., Fontana, L., Scacchi, M., Mauro, A., Giordano, F., Budui, S. & Zampini, M. Food Visual Cues Are Less Affected by Size-Contrast Illusions than Non-Food Cues in Individuals with Obesity and Normal Weight. Psychonomics 2020, Texas USA (online) 19/11/2020 – 22/11/2020

Fernández-Prieto, I., Fontana, L., & Zampini, M. A plan to study olfactory habituation for food and non-food odours. ECRO XXX - 2020, Dresden, Germany (online), 17/09/2020 – 18/09/2020

Fontana, L., **Fernández-Prieto, I.**, & Zampini, M. Habituation for imagined food odors. ECRO XXX - 2020, Dresden, Germany (online), 17/09/2020 – 18/09/2020

Molina, E., **Fernández-Prieto, I.**, Leiva, A. & Parmentier, F. Opposite effects of transcranial direct current stimulation (tDCS) on sustained attention in individuals with a high and low level of dispositional mindfulness. III International Congress of Psychobiology. Granada, Spain, 29/05/2019 – 31/05/2019

Fernández-Prieto, I. & Parmentier, F. Irrelevant auditory deviant stimuli increases crosstalk interference. Sepex - Sepneca – Aip, Madrid, Spain, 03/07/2018 – 07/07/2018

González-Contijoch, A., Puigcerver, L., Nannen, P., Termen, M. Correa, G. Egea-Castillo, N. Rodríguez-Cuadrado, S, **Fernández-Prieto, I.** Cester, I., & Navarra, J. Testing new strategies to reduce malnutrition in child and adolescent cancer patients under chemotherapy treatment. Sepex - Sepneca – Aip, Madrid, Spain, 03/07/2018 – 07/07/2018

Fernández-Prieto, I., Rodríguez-Cuadrado, S., Spence, C., Pons, F., & Navarra, J. Do movement verbs and acoustic pitch share the spatial representation? Workshop on Audiovisual Speech Processing and Language Learning. Barcelona, Spain, 28/11/2016 – 29/11/2016

Fernández-Prieto, I., Spence, C., Pons, F. & Navarra, J. Evaluating the influence of language on the vertical representation of auditory pitch and loudness. Beyond Language Learning. Barcelona, Spain, 29/09/2016 – 30/09/2016

Fernández-Prieto, I., Pons, F. & Navarra, J. Audiovisual crossmodality in childhood. IMPS. Granada, Spain, 05/05/2015 – 08/05/2015

Fernández-Prieto, I., Caprile, C., Ristol-Orriols, B., López-Sala, A., Póo-Argüelles, P., Pons, F. & Navarra, J. Auditory deficits in preadolescents and adolescents with nonverbal learning disorder. ICMEM. Sheffield, UK, 22/03/2015 – 25/03/2015.

Rodríguez-Cuadrado, S., **Fernández-Prieto, I.**, Caprile, C., Gómez-Berrocal, S., López-Sala, A., Póo-Argüelles, P., Pons, F. & Navarra, J. (2014) Visuospatial and auditory deficits in preadolescents and adolescents with nonverbal learning disorder. SEPEX. Murcia, Spain, 01/10/2014 – 04/10/2014.

Fernández-Prieto, I., Navarra, J. & Pons, F. How big is this sound? Size encoding of frequency sweeps in infants. Neuromusic V. Dijon, France, 29/05/2014 – 31/05/2014.

Fernández-Prieto, I., García-Morera, J. & Navarra, J. Temporal realignment of spatiotemporally distant events. Imagine Time. Magdeburg, Germany, 23/08/2013 – 27/09/2013.

Fernández-Prieto, I., García-Morera, J. & Navarra, J. Realigning thunder and lightning: Temporal adaptation to spatiotemporally distant events. ESCOP 2013. Budapest, Hungary, 29/08/2013 – 01/09/2013.

Vera-Constán, F., **Fernández-Prieto, I.**, García-Morera, J. & Navarra, J. Hearing peaks and valleys: The spatial encoding of auditory pitch modulates the electrophysiological response to visual stimuli. CIP 2013. A Coruña, Spain, 26/06/2013 – 28/06/2013.

Fernández-Prieto, I., García-Morera, J. & Navarra, J. Unconscious temporal association. IMRF 2013. Jerusalem, Israel, 03/06/2013 – 06/06/2013.

Vera-Constán, F., **Fernández-Prieto, I.**, & Navarra, J. The ups and downs of music perception: EEG reveals that predictable variations in pitch modulate the spatial processing of visual stimuli. 8th FENS. Barcelona, Spain, 14/07/2012 – 18/07/2012.

Fernández-Prieto, I., Vera-Constán, F., García-Morera, J. & Navarra, J. Spatial recoding of sound: Pitch-varying auditory cues modulate up/down visual spatial attention. IMRF 2012. Oxford, UK, 19/06/2012 – 22/06/2012.

Vera-Constán, F., **Fernández-Prieto, I.**, García-Morera, J. & Navarra, J. Predictable variations in auditory pitch modulate the spatial processing of visual stimuli: an ERP study. IMRF 2012. Oxford, UK, 19/06/2012 – 22/06/2012.

Fernández-Prieto, I., García-Morera, J. & Navarra, J. Re-synchronizing thunder and lightning: temporal recalibration is observed far beyond the temporal limits for multisensory integration. BAPS-SEPEX 2012. Liège (Belgium) 11/05/2012 – 12/05/2012.

Fernández-Prieto, I., Gálvez-Pol, A., J. & Nadal, M. Comparación de "Assessment of Art Attributes" en muestra española y en muestra norteamericana. CIP 2011. Palma, Spain, 06/07/2011 – 08/07/2011.

Frascarelli, M., Costa, I., Alorda, C., Mantecon, A., **Fernández-Prieto, I.** & Montoya, P. Predictores del estrés afectivo y la intensidad de dolor en la fibromialgia. VII Congreso Iberoamericano de Psicología. Oviedo, Spain, 20/07/2010 – 24/07/2010.

Talks

Fernández-Prieto, I. The perception of food in people with obesity. Brown Bag (CIMEC) University of Trento. Rovereto, Italy, 11/09/2020.

Fernández-Prieto, I. Crossmodal Correspondences. Brown Bag (CIMEC) University of Trento. Rovereto, Italy, 20/09/2019.

Fernández-Prieto, I. Crossmodal Correspondences between auditory pitch and the visuoaspatial dimensions. Barcelona Computational and Systems Neuroscience (BARCSYN 2014). Centre de Recerca Matemàtica CRM. Barcelona, Spain, 16/06/2014 – 17/06/2014.

Fernández-Prieto, I., Navarra, J. & Pons, F. How big is this sound? Pitch-size correspondences in infants. Programa Jornada de Recerca i Transferència de Coneixement IR3C. Barcelona, Spain, 30/01/2014.

Fernández-Prieto, I. Spatial recoding of pitch in the right posterior cortex. Seminars 2013. Research and Development Unit. Parc Sanitari Sant Joan de Déu. Sant Boi, Spain, 19/09/2013

Fernández-Prieto, I. Spatial recoding of sound: pitch-varying auditory cues modulate up/down visual spatial attention. Multisensory Research Group's seminars, Pompeu Fabra University, Barcelona, Spain, 26/04/2012

● HONOURS AND AWARDS

During the PhD period

Predoctoral Grant IR3C - FSJD

Hospital Sant Joan de Déu & University of Barcelona (Spain)
Purpose of the scholarship: Develop the Ph.D. Thesis project
15/01/2013 to 15/01/2016

Montcelimar & University of Barcelona Ph.D. Short-term stay Grant 2016

University of Oxford (UK)
Purpose of the scholarship: Short-term stay at a foreign university
15/06/2016 to 10/08/2016

Montcelimar & University of Barcelona Ph.D. Short-term stay Grant 2015

University of Oxford (UK)
Purpose of the scholarship: Short-term stay at a foreign university
05/10/2015 to 31/11/2015

ICMEM Award

University of Sheffield (UK)
Purpose of the scholarship: Attend to International Conference on the Multimodal Experience of Music (ICMEM)
23/03/2015 to 25/03/2015

Montcelimar & University of Barcelona Ph.D. Short-term stay Grant 2014

New York University (USA)
Purpose of the scholarship: Short term stay at a foreign university
05/11/2014 to 31/12/2014

Drac-Summer Grant 2014

University of Balearic Islands (Spain)
Purpose of the scholarship: Attend the course "Les TIC per a la transformació del procés d'ensenyament-aprenentatge"
08/10/2009 to 13/10/2009

Fondazione Pierfranco e Luisa Mariani Award

University of Pavia (Italy)
Purpose of the scholarship: Attend the EBRAMUS conference (Europe, BRAin and MUSic Conference)
20/09/2013 to 22/09/2013

During the Psychology Degree

Erasmus-Socrates Grant 2008/2009

Radboud University of Nijmegen (Netherlands)
Purpose of the scholarship: Short term stay at a foreign university
01/09/2008 to 01/03/2009

Drac-Summer Grant 2009

Sabadell Universitat (Autonomous University of Barcelona)
Purpose of the scholarship: Attend the course "Depressió"
07/10/2009 to 10/10/2009

Associated Student Grant "Oficina de Convergencia y Armonización Europea (OCIHE)"

University of Balearic Islands (Spain)
Purpose of the scholarship: Academic collaboration in the subject "Basic psychological processes" with Dr. Jordi Pich i Solé
19/01/2007 to 30/06/2008

● **SCIENTIFIC INTERSHIPS**

19/01/2016 – 02/02/2016

Crossmodal Research Lab. University of Oxford (UK)

Under the supervision of Prof. Charles Spence, I was increasing the sample for the project evaluating the influence of language on the vertical representation of auditory pitch and loudness. The result of this project is presented in the publication Fernández-Prieto, I., Spence, C., Pons, F., & Navarra, J. (2017) Does language influence the vertical representation of auditory pitch and loudness?

01/10/2015 – 30/11/2015

Crossmodal Research Lab. University of Oxford (UK)

Under the supervision of Prof. Charles Spence, I was evaluating the influence of language on the vertical representation of auditory pitch and loudness.

01/11/2014 – 31/12/2014

NYU infant cognition and communication laboratory (NICCL). New York University (USA)

For 8 weeks I was working in the scientific project that Dr Athena Voloumanos' lab is conducting analysing the gestures and language processing in infants at high risk for autism as well as in healthy infants.

31/03/2016 – 07/08/2016

Crossmodal Research Lab. University of Oxford (UK)

Under the supervision of Prof. Charles Spence, I was evaluating the spatial association between movement verbs and acoustic pitch. The result of this project is presented in the congress poster Fernandez-Prieto, I., Rodríguez-Cuadrado, S., Spence, C., Pons, F., & Navarra, J. Do movement verbs and acoustic pitch share the spatial representation? Workshop on Audiovisual Speech Processing and Language Learning. Barcelona, Spain, 28/11/2016 – 29/11/2016.

● **TEACHING EXPERIENCE**

01/02/2017 – CURRENT

Psychology of Perception (Open University of Catalonia)

E-learning. 2020-21 1st semester

E-learning. 2019-20 2nd semester

E-learning. 2019-20 1st semester

E-learning. 2018-19 2nd semester

E-learning. 2018-19 1st semester

E-learning. 2016-17 2nd semester

21/09/2020 – 31/12/2020

General Psychology (University of Trento)

Supporting staff. 2020-21 1st semester

01/10/2017 – 01/02/2019

Perception and Attention (University of the Balearic Islands, Spain)

2018-19 1st semester

2017-18 1st semester

● COURSES (THE MOST RELEVANT)

Teacher training courses

- Course: "**Teacher training courses**" Palma (Spain) University of the Balearic Islands. 03/23/2017 to 30/04/2018 (50h).
- Summer School: "**Information and communication technologies for the transformation of the teaching-learning process**". Ibiza (Spain) University of the Balearic Islands. 10/8/2014 to 10/12/2014 (25h)

Data protection

- Course: "**Protocol for compliance with the General Data Protection Regulations for Teaching Staff of the UOC**" Online (Spain). Open University of Catalonia & Lant Abogados. 9/1/2019
- Course: "**Data Protection (European General Data Protection Regulations)**" Palma (Spain) University of the Balearic Islands. Date of the event 30/04/2018 (2h).
- Course: "**CITI training for Investigators and staff involved primarily in Social/Behavioral Research with human subjects**" Online (USA) University of Miami. 18/09/2014.

● CERTIFICATIONS

05/10/2018 – CURRENT

ANECA: Assistant professor (academic rank)

Spanish Agency for Evaluation, Quality and Certification or ANECA examined the applicants' curricula. It issued them a positive evaluation (certification) giving access to the exams to become a tenured-civil servant professor in Spain.

22/10/2018 – CURRENT

AQU Catalunya: Assistant professor (academic rank)

The Agency for the Quality of the University System of Catalonia or AQU Catalunya examined the applicants' curricula and issued them a positive evaluation (certification) giving access to the exams to become a tenured-civil servant professor in Catalonia.

● OTHER MERITS

Experience organising R&D activities

XI International Conference on Cognitive Neuroscience (Palma, Balearic Islands, Spain). Organization: Grupo de Investigación en Neuropsicología Clínica
25/09/2011 to 29/09/2011

Professional Service

- Member of the board of the Department of Psychology. A representative of PhD students, Associate Professors, Part-Time Assistants, and Visiting Professors. University of Balearic Islands. 2018 – 2019.
- Committee for the test of access to the university official degrees 2018. University of Balearic Islands (Area: Ibiza island).

Reviewer for the scientific journals

Perception, Psychology of Music & Scientific Reports

Networks and memberships

Psychonomic Society (United States of America), SEPEX - Sociedad española de psicología experimental (Spain), Cognitive Science Society (Canada)

- **DRIVING LICENCE**

Driving Licence: B

- **RECOMMENDATIONS**

Jordi Navarra – Associate Professor – jordi.navarra@ub.edu

Supervisor during my PhD in Experimental Psychology at the University of Barcelona