

# ION YARRITU, PhD

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## Curriculum Vitae

### Experience

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2016-Present	Assistant Professor	University of the Basque Country, Spain
2016-2017	Teacher Collaborator	International University of La Rioja (UNIR), Spain
2016-2016	Post-Doctoral Researcher	University of Oviedo, Oviedo, Spain
2015-2016	Researcher	Sant Pau Hospital, Barcelona, Spain
2013-2014	Post-Doctoral Researcher	University of Deusto, Bilbao, Spain
2008-2013	Research Assistant	University of Deusto, Bilbao, Spain

### Education

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2013	PhD Experimental Psychology, <i>cum laude</i>	University of Deusto, Bilbao, Spain
2010	MA Methodology of Behavioral Sciences	National Distance Education University (UNED), Spain
2007	BA Psychology	University of Deusto, Bilbao, Spain

### Awards, Honors, and Distinctions

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2016	Accredited as <i>Assistant Professor</i> by Spanish National Agency for Quality Assessment and Accreditation (ANECA).
2014	Travel bursary awarded by Faculty of Education and Health Sciences of the University of Limerick to carry out research meetings with Dr Rachel Msetfi in order to support the development of collaborative research projects (1 week).
2013	Member of the research team awarded with the second prize of the VIII UD-Group Santander Research Award
2011/2012	Two travel grant awarded by Spanish Government (EEBB-I-2011-02191 & EEBB-I-2012-05083) for two research stays (4 & 2 months) in Cognition and Brain Plasticity Group directed by Dr Antoni Rodríguez-Fornells to carry out a project about EEG measures of causal illusions.
2008	PhD fellowship (4 years) from Spanish Government (BES-2008-009097)

### R&D Projects

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2016-2020	Project: Causal Illusion, pseudoscience and contingency discrimination (PSI2016-78818-R) Dpt. of Research, Spanish Ministry of Economy and Competitiveness PI: Helena Matute, University of Deusto, Bilbao, Spain € 62,920
2011-2014	Project: Using causal learning research to reduce the impact of pseudoscience (PSI2011-26965) Dpt. of Research, Spanish Ministry for Education and Science PI: Helena Matute, University of Deusto, Bilbao, Spain € 112,000
2010-2014	Special support for the research teams (IT363-I0) Dpt. of Education of the Basque Government PI: Helena Matute, University of Deusto, Bilbao, Spain € 166,000
2009-2011	Project: Diagnosis and action under uncertainty (P08-SEJ-03586) Regional Government of Andalusia PI: Francisco J. López, University of Malaga, Malaga, Spain € 236,847

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**Papers in JCR-indexed Journals**


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Quality indicators	h-index	Sum of times cites	Average citations per item
	6	101	16.83

1. Vadillo, M. A., Blanco, F., **Yarritu, I.**, & Matute, H. (2016). Single- and Dual-Process Models of Biased Contingency Detection. *Experimental Psychology*, *63*, 3-19. doi: 10.1027/1618-3169/a000309. [IF 2016 = 1.829; Journal ranking 2016: Psychology, Experimental = 49/84 Q3; Times cited = 9]
2. Matute, H., Blanco, F., **Yarritu, I.**, Diaz-Lago, M., Vadillo, M. A., & Barberia, I. (2015). Illusions of causality: How they bias our everyday thinking and how they could be reduced. *Frontiers in Psychology*, *6*: 888. doi: 10.3389/fpsyg.2015.00888 [IF 2015 = 2.463; Journal ranking 2015: Psychology, Multidisciplinary = 29/129 Q1; Times cited = 16]
3. **Yarritu, I.** & Matute, H. (2015). Previous knowledge can induce an illusion of causality through actively biasing behavior. *Frontiers in Psychology*, *6*:389. doi:10.3389/fpsyg.2015.00389 [IF 2015 = 2.463; Journal ranking 2015: Psychology, Multidisciplinary = 29/129 Q1; Times cited = 7]
4. **Yarritu, I.**, Matute, H., & Luque, D. (2015). The dark side of cognitive illusions: When an illusory belief interferes with the acquisition of evidence-based knowledge. *British Journal of Psychology*, *106*, 597-608. doi:10.1111/bjop.12119. [IF 2015 = 2.243; Journal ranking 2015: Psychology, Multidisciplinary = 31/129 Q1; Times cited = 13]
5. **Yarritu, I.**, Matute, H., and Vadillo, M. A. (2014). Illusion of Control. The Role of Personal Involvement. *Experimental Psychology*, *61*, 38-47. doi:10.1027/1618-3169/a000225 [IF 2014 = 2.076; Journal ranking 2014: Psychology, Experimental = 41/85 Q2; Times cited = 21]
6. Matute, H., **Yarritu, I.**, & Vadillo, M. A. (2011). Illusions of causality at the heart of pseudoscience. *British Journal of Psychology*, *102*, 392-405. doi:10.1348/000712610X532210 [IF 2011 = 2.368; Journal ranking 2011: Psychology, Multidisciplinary = 21/124 Q1; Times cited = 35]

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**Manuscripts submitted for publication or in preparation**


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1. **Yarritu, I.**, Rodriguez-Fornells, A., & Matute, H. Event-related brain potential (EEG) modulations associated to the processing of causal illusions. *Manuscript in preparation*.

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**Papers and Posters presented at Conferences**


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1. Marín, J., Martínez-Horta, S., **Yarritu, I.**, Pagonabarraga, J., Cornella, M., Fernández de Bobadilla, R., Horta, A., Botí, M.A., Bejr-Kasen, H., Pérez, J., Pascual, B., Gironell, A., Kulisevsky, J. Gambling-P3 as a cognitive biomarker (Oral communication). LXIX Annual meeting of the Spanish Society of Neurology (SEN). Valencia, Spain.
2. Blanco, F., **Yarritu, I.**, Vadillo, M. A., & Matute, H. (2015, September). *Single vs. dual process theories of contingency learning: Is the evidence of dissociations between measures conclusive?* (Oral communication). 19th Conference of the European Society for Cognitive Psychology (ESCOMP). Paphos, Cyprus.
3. Matute, H., Blanco, F., & **Yarritu, I.** (2015, June). *Why people believe in alternative medicine* (Invited paper). International Health Conference. Oxford, UK.
4. Blanco, F., **Yarritu, I.**, Vadillo, M. A., & Matute, H. (2015, June). *Associative learning versus judgmental processes in contingency detection: reexamining the evidence for dissociations between different dependent measures* (Oral communication). Small Meeting on Associative and Propositional Learning, Warsaw, Poland.
5. **Yarritu, I.**, Rodríguez-Fornells, A., & Matute, H. (2014, October). *Event-related brain potential (EEG) associated to the processing of Illusions of Causality* (Symposium). 1st Joint Meeting of the SEPEX and SEPNECA, Murcia.
6. **Yarritu, I.**, Matute, H., & Luque, D. (2014, October). *Cognitive illusions can interfere with the acquisition of evidence-based knowledge* (Symposium). 1st Joint Meeting of the SEPEX and SEPNECA, Murcia.

7. **Yarritu, I.**, Matute, H., & Luque, D. (2013, September). *An illusion that a cue causes an outcome might make you underestimate the strength of the actual cause* (Oral communication). XXV International Congress of the Spanish Society for Comparative Psychology, San Sebastián.
8. **Yarritu, I.**, Rodríguez-Fornells, A., & Matute, H. (2013, July). Event-related brain potential (EEG) modulations associated to the processing of causal illusions (Poster). 1st Meeting of the Basque Research Community in Neuroscience, Bilbao.
9. **Yarritu, I.**, Matute, H. & Vadillo, M. A. (2012, September). *Personal involvement vs. response frequency as explanation for the illusion of control*. (Poster). 2nd Joint Meeting of the SEPC and ISCP, Jaén.
10. **Yarritu, I.**, Matute, H. (2011, September). *On the interplay between information, behavior and judgments in the illusion of causality* (Poster). 17<sup>th</sup> Meeting of the European Society for Cognitive Psychology (ESCOP). Basque Center for Cognition, Brain, and Language (BCBL). San Sebastián.
11. Matute, H., **Yarritu, I.**, & Vadillo, M. A. (2011, September). *Illusion of control: when the participant is a mere observer* (Symposium). 17<sup>th</sup> Meeting of the European Society for Cognitive Psychology (ESCOP). Basque Center for Cognition, Brain, and Language (BCBL). San Sebastián.
12. Matute, H., **Yarritu, I.**, & Vadillo, M. A. (2011, July). *Illusion of control: Personal involvement or biased exposure to the environment?* (Oral communication). 12<sup>th</sup> European Congress of Psychology. Istanbul.
13. **Yarritu, I.**, Matute, H., & Vadillo, M. A. (2010, September). *Illusion of control: Personal Involvement or cue-outcome coincidences?* (Oral communication). XXII International Congress of the Spanish Society for Comparative Psychology, Almería.
14. **Yarritu, I.**, Matute, H., & Clará, A. (2010, September). *Ethical aspects and surgeon's learning curve in people's decision to support the implementation of innovative surgery techniques*. (Poster). XXII International Congress of the Spanish Society for Comparative Psychology, Almería.
15. **Yarritu, I.**, Blanco, F., Matute, H., & Vadillo, M. A. (2010, April). *Misperception of causality: Implications for quackery and pseudoscience*. (Poster). 1st Joint Conference of the EPS and SEPEX, Granada.
16. Matute, H., Blanco, F., Vadillo, M. A., **Yarritu, I.**, & Orgaz, C. (2010, March). *What is contingency learning for?* (Oral communication). 17<sup>th</sup> International Conference on Comparative Cognition, Melbourne, Florida.
17. Matute, H., **Yarritu, I.**, Blanco, F., Vadillo, M. A. (2009, September). *On how to reduce the illusion of control: Implications for improving scientific reasoning in society*. (Poster). XVI Conference of the European Society for Cognitive Psychology, Krakov.

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### Organization of Conferences and Symposia

Member of the organizing committee of the XX Meeting of the Spanish Society for Comparative Psychology (Bilbao, September 15-17, 2008)

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### Membership of Professional Organizations

Spanish Society for Experimental Psychology (associate member)

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### Undergraduate Courses Taught at the University

2018/2019	Practicum (5.3 ECTS), Degree in Elementary Education (University of the Basque Country).
2018/2019	Educational Psychology (6 ECTS). Degree in Early Childhood Education (University of the Basque Country).
2018/2019	Educational Psychology (3.6 ECTS). Degree in Elementary Education (University of the Basque Country).
2018/2019	Positive Psychology (8.4 ECTS). Degree in Social Education (University of the Basque Country).
2017/2018	Social Psychology (3.8 ECTS). Degree in Psychology (University of the Basque Country).

2016/2017	Social Psychology (7.4 ECTS). Degree in Sociology (University of the Basque Country).
2016/2017	Negotiation Techniques (6 ECTS). Degree in Labor Relations and Human Resources (University of the Basque Country).
2016/2017	Supervision of Master Theses (6 ECTS). Master in Neuropsychology and Education (UNIR). Course taught online.
2010/2012	Basic Psychological Processes (1.2 ECTS). Degree in psychology (University of Deusto).

### Master's Theses Supervisions

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2015/2016	Relación entre memoria de trabajo, atención y rendimiento académico en la asignatura de lenguaje en básica primaria (8.6/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Relación entre la atención, la memoria a corto plazo auditiva y la comprensión auditiva en alumnos de 8 a 10 años (9.1/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Inteligencia emocional como estrategia para la reducción de la violencia del alumnado a través de las NTIC (7.0/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Estrategias para el desarrollo de Memoria de Trabajo y Metacognición en estudiantes universitarios (9.0/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Memoria Visual, Verbal y Rendimiento Académico en Ciencias Sociales 7º (7.5/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	La memoria visual y la memoria episódica verbal en el cerebro musical (9.0/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Análisis y comparación de la inhibición de respuesta y la planificación entre la metodología Montessori y la metodología convencional en preescolares (8.7/10) Master's Degree in Neuropsychology and Education (UNIR).
2015/2016	Lateralidad y desempeño escolar en procesos de lectura en estudiantes de 6º grado de Educación Básica (6.5/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	Análisis de la relación entre creatividad e inteligencia emocional (9.0/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	El papel de la creatividad en los procesos de producción escrita (6.1/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	Relación entre creatividad y desempeño académico en el área de Ciencias Naturales (5.0/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	Estudio correlacional entre la creatividad, la motivación y el rendimiento académico en el área de matemáticas en un curso de segundo de primaria (8.3/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	Propuesta de intervención para mejorar la percepción visual y la creatividad (6.7/10) Master's Degree in Neuropsychology and Education (UNIR).
2016/2017	Relación de las variables Creatividad y Lenguaje en un grupo estudiantes de los grados 9º y 11º de Secundaria (6.4/10) Master's Degree in Neuropsychology and Education (UNIR).

## Media

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- 2015 Interview in the program of science popularization “La Mecánica del Caracol” of EiTb radio station (Basque Country’s public Radio and TV channel), directed and presented by Eva Caballero (web link: <http://goo.gl/ptTQIF>).
- 2015 Interview in the radio program “Suelta la Olla” of the radio station “Hala Bedi” (web link: <http://goo.gl/Km23Jr>).
- 2015 The publication “The dark side of cognitive illusions: When an illusory belief interferes with the acquisition of evidence-based knowledge” (Yarritu et al., 2015) achieved considerable social impact being mentioned in numerous media. Media examples: “Telecinco” (news web site; <http://goo.gl/pWdvwP>); “XatacaCiencia” (scientific Blog; <http://goo.gl/XJ6Nqa>).
- 2011 Contributions to TV program of science popularization “Escépticos” created, and directed by José A. Pérez, presented by Luis Alfonso Gámez and televised by EiTb (Basque Country’s public Radio and TV channel) (Web links: <http://goo.gl/8rIiDj>; <http://goo.gl/YkWvGH>).
- 2011 The publication “Illusions of causality at the heart of pseudoscience” (Matute et al., 2011) achieved considerable social impact being mentioned in numerous media. Media examples: “The Guardian” (written by Ben Goldcare; <http://goo.gl/XIPQBP>); “El Correo” (scientific Blog “Magonia” written by Luis Alfonso Gamez; <http://goo.gl/6eXIeC>).

## Science Popularization

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- 2013-2015 Occasional Contributions to the Blog of cognitive science popularization “Psicoteca” (web link: <http://goo.gl/SK49oW>).

## Research Relevant Skills

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<u>SKILL</u>	<u>LEVEL</u>
EEG recording and analysis	
EEGLAB	Advanced
Brain Vision	Advanced
<b>Statistical Software</b>	
SPSS	Advanced
<b>Computing Software</b>	
MATLAB	Medium
<b>Programming Skills</b>	
JavaScript	Medium
<b>Task Development Software</b>	
E-prime	Advanced
PsychoPy	Medium
<b>Scientific Graphing Software</b>	
GraphPad	Advanced
<b>Office Software</b>	
Excel	Advanced
Word	Advanced
Power Point	Advanced

## Knowledge of Languages

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LANGUAGE	SPOKEN	READ	WRITTEN
Spanish	Native	Native	Native
Basque <sup>I, II</sup>	C1	C1	C1
English	B1	B1	B1

<sup>I</sup> Certificate EiGA from the University of Basque Country (level C1).

<sup>II</sup> Certificate HABE III from the Government of Basque Country (level C1).