

**Contact information**

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**Employment**

Since 10.2017 Junior Research and Teaching Fellow (FPU, Spanish Ministry of Science and Education). Department of Philosophy, Universitat de Barcelona under the supervision of Professor José A. Díez Calzada (Barcelona).

**Education**

09.2015 – 10.2019 PhD in Philosophy. University of Exeter. Supervisor: John Dupré  
10.2014 – 09.2015 M.A. in Analytic Philosophy. Universitat de Barcelona (1<sup>st</sup> Class)  
09.2009 – 07.2013 B.A. in Philosophy. Universidad de Oviedo (1st Class)

**Publications****Peer Reviewed Works (Papers / Book Chapters)**

- 2019a. Explaining the Behaviour of Random Ecological Networks. The Stability of the Microbiome as a Case of Integrative Pluralism. *Synthese*. With Roger Deulofeu, and Alberto Pérez-Cervera. (Paper). <https://doi.org/10.1007/s11229-019-02187-9>
- 2019b. Equilibrium explanations as structural non-mechanistic explanations: The case of long-term bacterial persistence in human hosts. *Teorema*. With Roger Deulofeu. (Paper). <http://philsci-archive.pitt.edu/16434/>
- 2019c. A metaphysical approach to holobiont individuality: Holobionts as emergent individuals. *Quaderns de Filosofia*. With Vanessa Triviño. (Paper). <https://doi.org/10.7203/qfia.6.1.14825>
- 2018a. The Importance of Symbiosis in Philosophy of Biology. An Analysis of the Current Debate on Biological Individuality and its Historical Roots. *Symbiosis* 76 (2): 77-96. (Paper). <http://doi.org/10.1007/s13199-018-0556-1>
- 2018b. When Mechanisms are not Enough. The Origin of Eukaryotes and Scientific Explanation. In Christian A., Hommen D., Retzlaff N., Schurz G. (eds) *Philosophy of Science*. European Studies in Philosophy of Science, vol 9. Springer, Cham (pp. 95-115). With Roger Deulofeu. (Book Chapter). [http://doi.org/10.1007/978-3-319-72577-2\\_6](http://doi.org/10.1007/978-3-319-72577-2_6)
2016. Bacterial Species Pluralism in the Light of Medicine and Endosymbiosis. *Theoria* 31 (1): 91-105. (Paper). <http://dx.doi.org/10.1387/theoria.13242>

2015. El mecanismo evolutivo de Margulis y los niveles de selección. *Contrastes* 20 (1): 7-26. (Paper). <http://dx.doi.org/10.24310/Contrastescontrastes.v20i1.2298>

### **Book Reviews**

2018a. Scott Lidgard and Lynn K. Nyhart (eds.) Biological Individuality: Integrating Scientific, Philosophical and Historical Perspectives. *History and Philosophy of the Life Sciences* 40: 67. <https://doi.org/10.1007/s40656-018-0233-y>

2018b. S. B. Gissis, E. Lamm, and A. Shavit (eds.) Landscapes of Collectivity in the Life Sciences. *History and Philosophy of the Life Sciences* 40: 37. <http://doi.org/10.1007/s40656-018-0202-5>

### **Book Translations**

2017. Spanish translation of Timothy Williamson ‘*Tetralogue. I’m right. You’re wrong.*’ Traducido como: ‘*Yo tengo razón y tú te equivocas. Filosofía en el tren.*’ Editorial Tecnos. <https://www.tecnos.es/ficha.php?id=4411208>

### **Teaching experience**

09.2018 – 12.2018 Teaching assistant on ‘Problemas Filosóficos II’. University of Barcelona. Module convenor: Dr. Víctor Verdejo.

01.2018 – 04.2018 Teaching assistant on ‘Introduction to Philosophical Analysis’. University of Exeter. Module convenor: Dr. Shane Glackin.

01.2017 – 04.2017 Teaching assistant on ‘Introduction to Philosophical Analysis’. University of Exeter. Module convenor: Dr. Adam Toon.

01.2017 – 04.2017 Conversation Teaching assistant on ‘Spanish Language’. University of Exeter. Module convenor: Dr. Jordina Sala-Branchadell.

### **Research groups**

Since 10.2018 Member of BIAP: Barcelona Institute for Analytic Philosophy.

Since 09.2015 Member of Egenis: the Centre for the Study of Life Sciences. University of Exeter.

Since 10.2014 Member of LOGOS – Research Group in Analytic Philosophy. Universitat de Barcelona.

01.2016 – 12.2020 Member of the Research Group ‘Laws, Explanation, and Realism in the Physical and Biomedical Sciences’ (FFI2016-76799-P). Universitat de Barcelona. PI. José Díez.

10.2014 – 09.2015 Member of the Research Group ‘Explanation and Representation in the Sciences: Monistic and Pluralistic Accounts’ (FFI2012-37354). Universitat de Barcelona. PI. José Díez.

### **Research stays**

03.2019 – 06.2019 Visiting Scholar at the Konrad Lorenz Institute for Evolution and Cognition (Austria).

01.2018 – 04.2018 Visiting Scholar at Egenis: the Centre for the Study of Life Sciences. University of Exeter (UK).

02.2017 – 07.2017 Visiting Scholar at the Living Systems Institute. University of Exeter (UK).

### **Scholarships**

10.2017 – present Scholarship from the Spanish Ministry of Education and Science: Formación de

Profesorado Universitario (FPU, ref.: FFU16/02570).

- 09.2015 – 09.2017      Scholarship from Fundación Bancaria la Caixa: Becas de Postgrado Programa Europa.
- 10.2014 – 09.2015      Scholarship PERSP for Master APhil.
- 09.2012 – 07.2013      Scholarship from the Spanish Ministry of Education and Science: Beca Séneca at Universidad Autónoma de Madrid.

### **Conferences and Research Talks (Selection)**

- 08.2019.                      ‘Stability of traits as the kind of stability that matters among holobionts’, Congress on Logic, Methodology and Philosophy of Science and Technology. University of Prague.
- 07.2019.                      (symposium, co-organised with Sophie Veigl and Adrian Stencil) ‘Reconstitution as a more inclusive way of inheritance and its relation to current debates: Small RNAs, holobionts, and niche construction’, Oslo 2019 ISHPSSB Meeting. University of Oslo.
- 06.2019.                      (invited) ‘Explaining the behaviour of random ecological networks’, Department of Philosophy Seminar. Jagiellonian University.
- 06.2019.                      (invited) ‘The historical roots of the hologenome concept of evolution’, 13 Integrated History and Philosophy of Science Conference. University of Exeter.
- 05.2019.                      (invited) ‘Me and my microbes. How the microbiome will change medicine’, Messerli Research Institute, Faculty of Veterinary. University of Vienna.
- 11.2018.                      ‘Evolving as a holobiont: Stability of traits as the kind of stability that matters’, First Meeting of the PhilInBioMed International Network. University of Bordeaux.
- 11.2018.                      ‘Equilibrium explanation as structural nonmechanistic explanations: The case of long-term bacterial persistence in human hosts’, IX Conference of the Spanish Society for Logic, Methodology and Philosophy of Science, UNED.
- 09.2018.                      (invited) ‘A stability of traits model for the evolution of holobionts’, Satellite Workshop on Biological Individuality and other Issues in Contemporary Philosophy of Biology, SOPhiA 2018.
- 09.2018.                      ‘Dysbiosis and the humoral conception of disease’, 5<sup>th</sup> European Advanced School for the Philosophy of Life Sciences, Konrad Lorenz Institute, Vienna.
- 07.2018.                      ‘Holobionts as intergenerational stabilized sets of traits’, VII<sup>ème</sup> Congrès de la Société de Philosophie des Sciences. University of Nantes.
- 05.2018.                      (with Vanessa Triviño) ‘Holobionts: Scaffolds of host individuality or emergent biological individuals?’, VIII Workshop of Philosophy of Biology and the Cognitive Sciences. Universidad Complutense de Madrid.
- 11.2017.                      (invited) ‘Stability of traits as the kind of stability that matters in holobionts’, IAS-Research Talk. University of the Basque Country.
- 09.2017.                      ‘Stability of traits as the kind of stability that matters: How holobionts might be units of selection’, at the 7<sup>th</sup> European Philosophy of Science Association Conference. University of Exeter.
- 06.2017.                      (poster) ‘Holobiosis and Darwinian individuality’, British Society for the Philosophy of Science. University of Edinburgh.
- 06.2017.                      (invited) ‘Dysbiosis and the pathological conception of disease’, 12<sup>th</sup> Integrated History and Philosophy of Science Conference. University of Nottingham.

- 05.2017. (invited) ‘Persistence of symbiotic associations and mechanistic explanation’, Process Epistemology: A Workshop with Bill Bechtel. University of Exeter.
- 12.2016. ‘What is symbiosis? A philosopher’s answer’, III Lisbon International Conference on Philosophy of Science: Contemporary Issues. University of Lisbon.
- 11.2016. (with Roger Deulofeu) ‘Symbiotic persistence, special laws and mechanistic explanation’, VIII Meeting of the Spanish Society for Analytic Philosophy. University of Oviedo.
- 06.2016. ‘Symbiosis Research and Natural Selection: How the Omnipresence of Symbiosis affects our ways of conceptualizing natural selection’, III Philosophy of Biology in the UK Conference. University of Bristol.
- 06.2016. ‘Symbiosis research or why our present models of natural selection fail’, at the III Graduate Conference of the Spanish Society for Logic, Methodology and Philosophy of Science. University of Valencia.
- 04.2016. ‘Mutualism, symbiosis and symbiogenesis’, VI Workshop of Philosophy of Biology and the Cognitive Sciences. University of Barcelona.
- 03.2016. (with Roger Deulofeu) ‘On the explanatory character of the Serial Endosymbiotic Theory of the origin of the eukaryotic cell’, II Conference of the German Society for the Philosophy of Science. University of Dusseldorf.

### Services to profession

- 09.2017 – 09.2019 PostGraduate Student Representative at the European Philosophy of Science Association (EPSA).  
Co-organiser of the **EPSA Fellowship Scheme for Junior Researchers** working in Central and Eastern Europe.
- 09.2017 – 03.2019 PostGraduate Student Representative at LOGOS. Universitat de Barcelona.
- 10.2016 – 06.2017 PostGraduate Student Representative at the Department of Sociology, Philosophy, and Anthropology. University of Exeter.
- 09.05 – 10.05.2017 Co-organiser of the III PostGraduate Research Conference of the Department of Sociology, Philosophy, and Anthropology. University of Exeter.
- 05.05 – 06.05.2016 Co-organiser of the II PostGraduate Research Conference of the Department of Sociology, Philosophy, and Anthropology. University of Exeter.
- Reviewer  
Biology and Philosophy  
European Journal for the Philosophy of Science  
Teorema  
Theoria  
Graduate Women in Science (funding agency, research proposals)  
Spanish Society for Logic, Methodology, and Philosophy of Science (conference abstracts)

### Public outreach

- 10.2019 Invited BlogSpot in *ExtendedEvolutionarySynthesis* blog, entitled ‘Reconstitution as a case of extended inheritance: small RNAs, holobionts and niche construction’. With Sophie Veigl and Adrian Stencil.  
<http://extendedevolutionarysynthesis.com/category/blog/>.
- 09.2019 Invited BlogSpot in *Biomusings*, entitled ‘The hologenome concept: Why macrobes don’t evolve alone’.

- 27.02.2019 Invited public lecture on ‘The probiotic fashion: Science or marketing?’. Catalan Society of Philosophy, Catalan Studies Research Institute, Barcelona (Spain).
- 08.02.2019 Invited interview in *Radio UNED, Spanish National Radio 3*. Title: ‘Studying Philosophy of Science Outside Spain’. Madrid (Spain). <https://canal.uned.es/video/5c593888b1111f4d048b4567>
- 07.03.2018 Invited talk ‘What is it like to be a philosopher?’, for BAME Year 12-residential students (16 years old). University of Exeter, Exeter (UK).
- 11-12.04.2017 Invited talk for BAME Year 10-residential students (14 years old) from marginalized backgrounds. University of Exeter, Exeter (UK).

### **Awards**

- 06.2019. PROM Programme Jagielonian University. Invited PhD Researcher.
2018. Royal Institute of Philosophy Bursary.
2017. EPSA Student Prize to the best paper presented by a PhD in the EPSA17. Runner up.
2016. Spanish Society for Logic, Methodology, and Philosophy of Science Student Prize to the best MA Dissertation presented in a Spanish University. First position.
2015. Universitat de Barcelona. MA Extraordinary Award.
2015. Spanish Society for Logic, Methodology, and Philosophy of Science Student Prize to the best young contribution to the VIII Congress of the Spanish Society for Logic, Methodology, and Philosophy of Science. Ex aequo with Roger Deulofeu.
2013. Universidad de Oviedo. BA Extraordinary Award.

### **Courses**

- 01.07 – 05.07.2019 ERC IDEM Summer School. Microbiota, Symbiosis and Individuality: Conceptual and Philosophical Issues. Biarritz (France).
- 10.09 – 14.09.2018 5th European Advanced School in the Philosophy of the Life Sciences. Topic: Interdisciplinarity in the Life Sciences and their Philosophy. Konrad Lorenz Institute for Evolution and Cognition. Vienna (Austria).

### **Languages**

- Spanish (native)  
 English (proficiency)  
 Catalan (advanced)  
 French (advanced)