

CV date	2021/01/20
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Part A. PERSONAL INFORMATION

First and Family name	Laura Nuño de la Rosa García		
ID number	48351808N	Age	41
Researcher codes	WoS Researcher ID (*)	L-1345-2017	
	SCOPUS Author ID(*)		
	Open Researcher and Contributor ID (ORCID) **	<u>0000-0003-0513-0077</u>	

A.1. Current position

Name of University	Complutense University of Madrid		
Department	Logic and Theoretical Philosophy		
Address and Country	Ciudad Universitaria 28040, Madrid, Spain		
Phone number	629486790	E-mail	lauranun@ucm.es
Current position	Postdoc Researcher	From	01/04/2019
Key words	philosophy of biology, history of biology, evolution, development		

A.2. Education

PhD	University	Year
Philosophy	Complutense University of Madrid	2012
Philosophy	Paris 1-Sorbonne	2012

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

JCR articles: 7 articles in Q1 journals, 1 edited book, 8 book chapters in highly ranked academic publishers

h Index 7 | h-10 Index 7

Thesis: 2 thesis supervised, 2 under supervision

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

Laura Nuño de la Rosa is a philosopher of science specialised in the philosophy and history of biology. Her work combines research on the recent history of evolutionary biology with the study of epistemological and ontological issues in contemporary biology, as well as the social implications of biosciences, including synthetic biology, theories of reproduction in evolutionary biology, and current science of the COVID-19 pandemic. Graduated in Humanities in 2002, in 2010 she obtained a Masters Degree in Biophysics at the Autonomous University of Madrid. In 2012 she received her PhD in Philosophy with a dissertation on the problem of organismal form, jointly from the Complutense University of Madrid (under the supervision of José Luis González Recio) and the Paris 1-Sorbonne University (under the supervision of Jean Gayon). That same year she joined the KLI Institute (Klosterneuburg, Austria) as a postdoc fellow, collaborating as well as a teacher at the University of Vienna. In 2014 she was hired by the publishing company Springer to coordinate the writing of a reference guide on evo-devo. Between 2015 and 2018, she held a Juan de la Cierva fellowship at the IAS-Research group, at the University of the Basque Country. In 2018 she joined the Department of Logic and Theoretical Philosophy at the Complutense University of Madrid, first as a UCM postdoc fellow, and since April 2019 as a Juan de la Cierva-Incorporación fellow. Nuño de la Rosa is the author or co-author of 36 academic publications, which include 8 articles as the first or sole author in Q1 journals, 8 book chapters published in renowned publishing companies such as Oxford University Press, Springer, and MIT Press, and a co-edited Reference Guide published by Springer. She collaborates as an editor or as a referee in 14 peer-reviewed journals, including some of the most well-known journals in her field. She has participated in 68 conferences and workshops, half-times as an invited speaker, has been a member of 6 scientific committees and has organised 7 scientific meetings. She is co-PI of an I+D research project funded by the Spanish Ministry of Science, IP of a project funded by the Norwegian Academy of Science, and has participated in 12 national and international projects. She has enjoyed long research stays as a visiting scholar at the Instituto de Filosofía de la Habana, the IHPST (París), the KLI Institute (Viena) and the Center for Advanced Studies (Oslo). She currently combines her research activities with teaching at the undergraduate, master, and postdoc levels at the Complutense University. She has supervised 2 PhD dissertations and currently

advises 2 more thesis. In 2019 she received the prestigious prize “Julián Marías”, awarded to the best young researcher in Humanities in the Community of Madrid.

Part C. RELEVANT MERITS (selection)

C.1. Publications | Articles

1. Nuño de la Rosa L (Forthcoming) Review: Janina Wellmann, *The Form of Becoming: Embryology and the Epistemology of Rhythm, 1760-1830*, translated by Kate Sturge (New York: Zone Books 2017) 432 pp. *Studies in History and Philosophy of Biological and Biomedical Sciences*.
2. Nuño de la Rosa L (2021) “La construcción de la pandemia” (Invited contribution to a special issue on the COVID-19 pandemic at the Journal of Spanish Society for the Philosophy of Science).
3. Nuño de la Rosa L, Pavlicev M y Etzeberria A (2021) “Pregnant females as historical individuals: an insight from the philosophy of evo-devo.” *Frontiers in Psychology*, section Theoretical and Philosophical Psychology. Psychology (Q1). SJR 2019:0.91.
4. Nuño de la Rosa L y Villegas C (2019) Chances and propensities in evo-devo. *The British Journal of Philosophy of Science* axz048, <https://doi.org/10.1093/bjps/axz048> Philosophy (Q1). SJR 2019:1.6.
5. Villegas C y Nuño de la Rosa L (2019) Introduction to the Special Issue: 8th Research Workshop on Philosophy of Biology and Cognitive Sciences (PBCS) *Quaderns VI* (1): 11-14 doi: 10.7203/qfia. 6.1.14821. Philosophy (Q3). SJR 2019: 0.11.
6. Nuño de la Rosa L (2017) Computing the Extended Synthesis: Mapping the Dynamics and Conceptual Structure of the Evolvability Research Front. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution* 328:395–411. Animal Science and Zoology (Q1). SJR 2019:0.76. JCR 2019:1.897.
7. Nuño de la Rosa L (2016) ¿Tiene futuro la vida sin pasado? El desdén de la evolución en biología sintética. *Isegoría* 55:437–457. Philosophy (Q3). SJR 2019: 0.14.
8. Triviño V y Nuño de la Rosa L (2016) A causal dispositional account of fitness. *History and Philosophy of the Life Sciences* 38:1–18. Philosophy (Q1). SJR 2019: 0.38.
9. Nuño de la Rosa L (2016) La vuelta de las potencias en biología evolucionista: hacia una ontología de lo posible. *Ludus Vitalis* 46:1–18.
10. Nuño de la Rosa L, Müller GB y Metscher BD (2014) The lateral mesodermal divide: An epigenetic model of the origin of paired fins. *Evolution & Development* 16:38–48. (Q1) JCR 2019:1.9.
11. Nuño de la Rosa L (2014) On the possible, the conceivable, and the actual in evolutionary theory. *Biological Theory* 9:221–228.
12. Nuño de la Rosa L (2013) El problema de la función en evo-devo. *Contrastes* 18: 187–199. *Philosophy* (Q3). SJR 2019: 0.12.
13. Nuño de la Rosa L (2013) El retorno de Owen. Ocaso y renacimiento de la forma orgánica. *Investigación y Ciencia* 93–94.
14. Nuño de la Rosa L (2013) Book review: Richard Owen. 2012 [1849]. *Discurso sobre la naturaleza de las extremidades* (Ed. S. Balari y G. Lorenzo). KRK Pensamiento, 28: Oviedo. *Boletín de la Sociedad de Lógica y Metodología y Filosofía de la Ciencia* 57:26.
15. Nuño de la Rosa L (2013) ¿Puede ser la vida objeto de ingeniería? *Viento Sur Plural: La Biología sintética: desafíos éticos, políticos y socioeconómicos* 131:42–51.
16. Nuño de la Rosa L (2010) Becoming organisms: the organisation of development and the development of organisation. *History and Philosophy of the Life Sciences*. Philosophy (Q1). SJR 2019: 0.38.
17. Nuño de la Rosa L y Etzeberria A (2010) ¿Fue Darwin el ‘Newton de la brizna de hierba’? La herencia de Kant en la teoría darwinista de la evolución. *Endoxa* 24: 185–216. Philosophy (Q3). SJR 2019: 0.12
18. (con Reiss JO, Burke AC, Archer C, et al) (2008) Pere Alberch: Originator of EvoDevo. *Biological Theory* 3:351–356.

Book chapters & Special Issues

19. Nuño de la Rosa L (in progress) Contingency, innovation and variability in the history of evolvability research. Hansen, Houle, Pavlicev & Pélabon (eds) *Evolvability*, MIT press, Vienna Series in Theoretical Biology.
20. Brigandt I, Love A, Nuño de la Rosa L & Villegas C, “Evolvability as a dispositional concept” (accepted). In Hansen et al, *Evolvability*.

21. Love A, Brigandt I, Nuño de la Rosa L, Villegas C & Wagner G (accepted), The Conceptual Roles of Evolvability across Evolutionary Biology: Between Diversity and Unification Ingo Brigandt. In Hansen et al, *Evolvability*.
22. Nuño de la Rosa L & Müller GB (eds) (2021) Evolutionary developmental biology: a reference guide. Springer. ISBN 978-3-319-32977-2
23. Nuño de la Rosa L & Müller GB (2020) A Reference Guide to Evo-Devo. In Evolutionary developmental biology: a reference guide. Springer.
24. Villegas C & Nuño de la Rosa L (eds) (2019) *Filosofía de la biología*. Special Issue. *Quaderns* VI (1). Philosophy (Q3).
25. Austin CJ & Nuño de la Rosa L (2018) Dispositional Properties in Evo-Devo. In: Nuño de la Rosa L, Müller GB (eds) Evolutionary developmental biology: a reference guide. Springer, pp.1-13.
26. Etzeberria A & Nuño de la Rosa L (2018) Pere Alberch (1954–1998). In: Nuño de la Rosa L, Müller GB (eds) *Evolutionary developmental biology: a reference guide*. Springer, pp. 1-15.
27. Nuño de la Rosa L (2018) Capturing Processes: The Interplay of Modelling Strategies and Conceptual Understanding in Developmental Biology. In: Nicholson DJ, Dupré J (eds) *Everything Flows: Towards a Processual Philosophy of Biology*. Oxford: OUP, pp 264-282.
28. Nuño de la Rosa L (2016) Evo-devo - Biología evolutiva del desarrollo. In: Vanney C, Franck J (eds) *Diccionario Interdisciplinar Austral*. Instituto de Filosofía Universidad Austral. http://dia.austral.edu.ar/Evo-devo_-_Biología_evolutiva_del_desarrollo
29. Nuño de la Rosa L y Etzeberria A (2012) Pattern and Process in Evo-Devo: Descriptions and Explanations. En: de Regt HW, Hartmann S, Okasha S (eds) *EPSA Philosophy of Science: Amsterdam 2009*. Springer, Amsterdam, pp 263–274.
30. Etzeberria A & Nuño de la Rosa L (2009) Partes y funciones en el desarrollo y la evolución. In: Dopazo H, Navarro A (eds) *Evolución y Adaptación: 150 años después del Origen de las Especies*. Editorial Obrapropia, pp 465–474. ISBN: 978-84-92910-06-9.
31. Nuño de la Rosa L & Pérez Herranz FM (2009) The problem of Form in molecular biology. In: González Recio JL (ed) *Philosophical Essays on Physics and Biology*. Georg Olms Verlag, Hildesheim, Zürich, New York, pp 128–150
32. Etzeberria A & Nuño de la Rosa L (2009) A world of opportunity within constraint: Pere Alberch's early Evo-Devo. In: Rasskin-Gutman D, De Renzi M (eds) *Pere Alberch. The Creative Trajectory of an Evo-Devo Biologist*. Publicacions Universitat de València, Valencia, pp 21–44. ISBN: 8437075300

C.2. Research projects and grants

Evaluator:

- Since September 2017: *Agencia Estatal de Investigación (AEI)*
- Since September 2020: *Agencia Andaluza del Conocimiento (DEVA-AAC)*

PI:

- 01/01/2019-31/12/2021: **Representaciones Estocásticas en Ciencias Naturales: Fundamentos Conceptuales y Aplicaciones** (PGC2018-099423-B-I00). Ministerio de Ciencia, Innovación y Universidades. PIs: Mauricio Suárez, Laura Nuño de la Rosa. Funding: 41.000 €
- 15/09/2020-15/03/2021: **Interviews on evolvability: reconstructing and explaining the recent history of evolutionary biology**. Center for Advanced Study & UCM. PI: Laura Nuño de la Rosa. Funding: 6.000 €

Team member/colaborator:

- 01/06/2020-31/05/2023: **MINECOG19/P08 OUTONOMY: Desarrollando la autonomía más allá del individuo**. Ministerio de Ciencia, Innovación y Universidades. UPV-EHU. PI: Xabier Barandiarán. Funding: 33.093,50€
- 01/01/2019-31/12/2021: **Subvención a grupos de investigación del sistema universitario vasco (IT1228-19)**. Gobierno Vasco. PI: Kepa Ruiz Mirazo. Funding: 170.548,00€.
- 01/01/2018-31/12/2020: **Metafísica de la biología: categorización de las interacciones entre la metafísica y la biología molecular, del desarrollo y evolutiva** (FFI2017-87193-P). Ministerio de Economía, Industria y Competitividad. PI: María Cerezo. Funding: 27.830€.

- 15/08/2019-30/06/2020: **Evolvability: a new and unifying concept in evolutionary biology**. CAS, Norwegian Academy of Science and Letters. Pls: Thomas F Hansen, Christophe Pélabon. Funding: 361.480€.
- 01/01/2013-31/12/2018: **Subvención a grupos de investigación del sistema universitario vasco (IT590-13)**. Gobierno Vasco. PI: Kepa Ruiz Mirazo. Funding: 226.598€.
- 01/01/2015-30/12/2018: **Probabilidad en Ciencia: Propensiones, Estadística y Lógica Condicional (FFI2014-57064-P)**. UCM. Ministerio de Ciencia, Innovación y Universidades. PI: Mauricio Suárez Aller. Funding: 40,000€.
- 01/01/2015-31/12/2018: **Temas Contemporáneos en Metafísica de las Ciencias Biológicas**. Universidad de Murcia. Ministerio de Economía y Competitividad. PI: María Cerezo. Funding: 29.040€.
- 01/01/2010 - 31/12/2012: **Estudio de diversos problemas en/entre los ámbitos de la filosofía de la ciencia y la bioética**. Universidad del País Vasco. PI: Arantza Etxeberria. Gobierno Vasco. Funding: 61.000€.
- 2008-2011: **The Challenges to Evolutionary Theory: an interdisciplinary approach to heredity and development**. Université Paris 1-Sorbonne & University of Toronto. Pls: Philippe Huneman; Denis Walsh. France Canada Research Fund.

C.3. Contracts

- 01/04/2019-31/03/2021: **JUAN DE LA CIERVA-INCORPORACIÓN (IJCI-2017-34092)**, Ministerio de Industria, Economía y Competitividad. Department of Logic & Theoretical Philosophy, UCM.
- 01/09/2018-31/03/2019: **UCM Postdoc Fellowship**. Department of Logic & Theoretical Philosophy, UCM.
- 26/10/2015-20/02/2018: **JUAN DE LA CIERVA-FORMACIÓN (FJCI-2014-22685)**, Ministerio de Industria, Economía y Competitividad. Department of Logic & Philosophy of Science, UPV-EHU.
- 15/04/2012-15/09/2014: **Post-doc Fellowship**, KLI Institute, Klosterneuburg, Austria.
- 2012 – 2013, 2013-2014: **Visiting Professor**, University of Vienna.
- 01/01/2011-31/06/2011: **Writing-up Fellowship**, KLI Institute, Altenberg, Austria.
- 11/05/2005-10/05/2009: **UCM Predoc Fellowship**, Department of Philosophy I, Faculty of Philosophy, UCM.

C.5. Conferences

- **1 poster, 67 talks** in workshops and conferences, 39 of them as an invited speaker.
- **Organising committees**: Workshop on Evolvability (KLI, March 2021), Workshop [Forgotten female bodies](#) (UPV-EHU, June 2018), [Research Workshop on Philosophy of Biology and Cognitive Science](#) (PBCS) (UCM, May 2018), “Memorial Pere Alberch. The 'cradle of evo-devo'” (Valencia Univ, May 2008)
- **Scientific Committees**: Workshop on Philosophy of Biology & Cognitive Sciences (2015, 2016, 2017, 2018, 2019, 2020), IX Conference of the SOLOFICI (2018), European Conference on Artificial Life (2016, 2017)

C.6. (Long) Research stays (past 10 years)

- 15/08/2019-23/12/2019: Visiting, Center for Advanced Studies, Oslo.
- 01/04/2012-14/09/2014: PostDoc, KLI Institute.
- 01/01/2011–30/06/2011: Writing-up Fellow, KLI Institute .

C.8. Others

Premio Julián Marías 2019 a Investigadores menores de 40 años. Comunidad de Madrid. Consejería de Educación e Investigación.

Editorial Committees: *Acta Biotheoretica*, *Frontiers in Ecology and Evolution*.

Referee: *Acta Biotheoretica*, *Biological theory*, *Daimon*, *European Journal for Philosophy of Science*, *Frontiers in Psychology*, section *Theoretical and Philosophical Psychology*, *History and Philosophy of the Life Sciences*, *Isegoria*, *Philosophies*, *Revista de Filosofía*, *Studies in History and Philosophy of Biological and Biomedical Sciences*, *Synthese*, *The British Journal for the Philosophy of Science*, *Theoria*