

LAURA NUÑO DE LA ROSA

ABSTRACT

I hold a degree in Humanities, a Master's in Biophysics, and a PhD in Philosophy of Science from the Complutense University of Madrid and Paris 1-Sorbonne University. After a postdoctoral fellowship at the KLI Institute in Vienna, I returned to Spain with a Juan de la Cierva-Formación contract at the IAS-Research Group of the University of the Basque Country, and later joined the Department of Logic and Theoretical Philosophy at the Complutense University of Madrid through a Juan de la Cierva-Incorporación contract. Between 2021 and 2026, I was an Assistant Professor at this university until I obtained a permanent research position at the Institute of Philosophy of the Spanish National Research Council (CSIC).

My research encompasses both the history and philosophy of biology, as well as broader questions in the philosophy of science, including the relationship between science and society underlying the development of scientific theories. From a historical perspective, I have worked on the history of morphology, in particular the legacy of Aristotelian biology, though most of my work focuses on the recent history of evolutionary biology, with a special emphasis on evolutionary developmental biology (evo-devo). I combine bibliometric and oral history methods to reconstruct the dynamics of scientific practice, while using conceptual tools from cultural evolution to interpret these patterns.

From a philosophical perspective, my work has explored the role of propensities in evolutionary explanations, the interaction between imaging methodologies and biological theories in embryology, and the nature of teleological and agential explanations in development and evolution. In recent years, I have paid particular attention to the study of reproduction, approaching it both from a theoretical perspective and through a feminist critique of scientific practices representing and explaining female sexuality. More generally, I am interested in interdisciplinarity and theoretical integration, the role of values in science (especially in the context of climate-change research), new materialisms, and emerging forms of scientific realism.

ORCID: <https://orcid.org/0000-0003-0513-0077>

PHILPAPERS: <https://philpeople.org/profiles/laura-nuno-de-la-rosa>

PUBLICATIONS

Etxeberria, A., & Nuño de la Rosa, L. (Eds.). (in press). *Los cuerpos olvidados de las mujeres*. Plaza y Valdés.

Triviño, V., & Nuño de la Rosa, L. (in press). El sistema sexo/género como tipo emergente: Una aproximación metafísica a las categorías sexo-genéricas. In A. Etxeberria & L. Nuño de la Rosa (Eds.), *Los cuerpos olvidados de las mujeres*. Plaza y Valdés.

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Nuño de la Rosa, L., & Lennox, J. (2023). From the method of division to the theory of transformations: Thompson after Aristotle, and Aristotle after Thompson. *Biological Theory*. <https://doi.org/10.1007/s13752-023-00450-4>

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PROJECTS (PI)

2022–2026: Metaphysics of Biology: Processes and Dispositions

Spanish Ministry of Science & Innovation. PIs: María Cerezo & Laura Nuño de la Rosa.

2021–2024: Cluster Coordinator: Directionality in Genomics and Macroevolution

Project: Agency, Directionality, And Function: Foundations For A Science Of Purpose. Templeton Foundation, Science of Purpose Grant. PI: Alan Love.

2019–2021: Stochastic Representations in the Natural Sciences: Conceptual Foundations and Applications.

Spanish Ministry of Science, Innovation & Universities. PIs: Mauricio Suárez & Laura Nuño de la Rosa.

2020–2021: Interviews on evolvability: reconstructing and explaining the recent history of evolutionary biology.

Center for Advanced Study (Oslo). PI: Laura Nuño de la Rosa.