

Giorgio Airoidi

Department of Logic, History and Philosophy of Science
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Area of specialization: Philosophy of Science, Philosophy of Biology, Philosophy of Medicine

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CURRENT RESEARCH PROJECT

2022 - 2025	<p>Exploring the evolutionary origin of sentience FCiências.ID - Associação para a Investigação e Desenvolvimento de Ciências Universidade de Lisboa (UL) - Faculdade de Ciências da Universidade de Lisboa - Centro de Filosofia da Ciência <i>Co-principal investigator</i></p> <p>This project aims, on the one hand, to uncover the more or less implicit philosophical and biological commitments supporting continuity and discontinuity hypotheses concerning the evolutionary origin of sentience; on the other, it aims to probe some of their epistemological, ontological and ethical implications.</p>
2022 - 2025	<p>Normatividad y Enfoque Mecanístico en la Filosofía de las Ciencias Biológicas y Biomédicas Ministry of Economy Research Project (PID2021-128835NB-I00) <i>Member of the research team</i></p> <p>This research project addresses the theoretical and philosophical grounding of normative discourse in the biological sciences, paying particular attention to the predominant contemporary approaches in philosophy of science about the potential naturalization of the notion of norm.</p>
2018 - 2021	<p>Mechanisms in the social sciences: from the biological to the social Ministry of Economy Research Project (FFI2017-89639-P) <i>Member of the research team</i></p> <p>This project explores the parallels and differences in the interpretation and use of the notion of mechanism in the biological sciences and in the social sciences, paying special attention to its role in explanations of normative phenomena.</p>

EDUCATION

2014 - 2020	<p>Ph.D. Philosophy of Biology UNED, Madrid, Spain. Thesis: <i>'Evolution and the architecture of life'</i> Supervisor by Dr. Cristian Saborido Alejandro (UNED, Madrid) Co-Supervisor: Davide Vecchi (University of Lisbon)</p>
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	<p>Examiners: Charles Pence (UC Louvain), Diego Rasskin-Gutman (Instituto Cavanilles de Biodiversidad y Biología Evolutiva, Valencia), David Teira (UNED, Madrid)</p> <p>DOI: 10.13140/RG.2.2.22011.95529</p> <p>Extraordinary Ph.D. Prize 2019/2020 ('Premio extraordinario de Doctorado 2019-2020')</p>
2013 - 2014	<p>Master in Philosophy of Science. UNED, Madrid, Spain. Final Project: <i>'The Formal Darwinism Project by Alan Grafen'</i></p>
2008 – 2013	<p>Degree in Philosophy. UNED, Madrid, Spain</p>
1998 – 1999	<p>International MBA (Master in Business Administration). Instituto de Empresa (IE), Madrid, Spain</p>
1987 – 1993	<p>Degree in Industrial Engineering Politecnico di Milano, Milan, Italy</p>

Other educational experiences

2022	<p>The Place of the Organism in Biology and Medicine ROTO Workshop RUHR University, Bochum</p>
2022	<p>Philosophy and biology in Zubiri Prof. Estyeban Vargas y Pablo de Felipe Fundación Xavier Zubiri, Madrid</p>
2019	<p>Aristotle's Biology (Seminar) Prof. S . M. Connell Oslo University</p>
2013	<p>Søren Kierkegaard - Subjectivity, Irony and the Crisis of Modernity Prof. Jon Stuart University of Copenhagen</p>
1991 - 1992	<p>Erasmus Student Université Libre de Bruxelles. Belgium</p>
1999 Q4	<p>Interchange student Anderson School, UCLA, Los Angeles</p>

PUBLICATIONS

Collective Irrationality, Conformist Compliance And (Mis)Trust, *The Journal of Medicine and Philosophy* (with Davide Vecchi), (2023, In Press).

Herd Immunity. History, concepts, and ethical rationale. *Perspectives in biology and Medicine* (with Davide Vecchi), volume 66, number 1 (winter2023): 38-57

Forma, función y arquitectura biológica: una propuesta para clasificar la evolución de la complejidad. *Cuadernos Filosóficos*, 19. (with Cristian Saborido) (2022)

Review of **Bertrand Russell. Herencia y actualidad**, edited by Joan Gimeno-Simó, Víctor J. Luque, Saúl Pérez-González. Valencia: Tirant humanidades, 2021, in *Revista de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia en España* (enero 2022), pp. 77-78. ISSN: 2695-480X
<https://www.solofici.org/wp-content/uploads/2022/01/Revista-de-la-Sociedad-de-Lógica-Metodolog%C3%ADa-y-Filosof%C3%ADa-de-la-Ciencia-en-España-num.-66-enero-2022.pdf>

The road from evidence to policies and the erosion of the standards of democratic scrutiny in the COVID-19 pandemic (with Davide Vecchi), *History and Philosophy of the Life Sciences*, HPLS 43, 66 (2021). DOI: 10.1007/s40656-021-00435-1

Evidence-based policies? The Covid-19 pandemic and the prospects of evidence integration (with Davide Vecchi). *Teorema*, Vol. XL/1, 2021, pp. 175-197

The arrival of the Smartest. In favour of a pluralistic account of the evolution of cognition. *Aufklärung Journal of Philosophy*, 2021. v.8, n. esp., Jul., 2021, p.11-28 DOI: 10.18012/arf.v8iesp.60013

La guerra de la Naturaleza, la carestía y la muerte como fuente del diseño de los seres vivos (with Cristian Saborido). *ÉNDOXA: Series Filosóficas*, 46, 2020, pp. 123-164. UNED, Madrid
<http://revistas.uned.es/index.php/endoxa/article/view/28849>

The extended mind hypothesis: an anti-metaphysical vaccine. *Sofia*, [S.l.], 8(1): 10-29, ago. 2019. ISSN 2317-2339.
<http://periodicos.ufes.br/sofia/article/view/23751>

More than Fitness. A Robustness-based Proposal of a Logical Space to Classify Processes Behind Evolutionary Phenomena. *Kairos. Journal of Philosophy & Science*, 20(1): 89-112 (2018).
 doi:10.2478/kjps-2018-0005

De la Selección Natural al Diseño: una propuesta de extensión del darwinismo formal (with Cristian Saborido), Proceeding of the II Congreso de la Asociación Iberoamericana de Filosofía de la Biología, *Metatheoria*, Vol 8, Núm 1 (2017):71-80.
<http://www.metatheoria.com.ar/index.php/m/article/view/163/201>

Selección Natural y Complejidad, *Revista Electrónica de Investigación en Filosofía y Antropología*, Decanado de Filosofía. UNED. Número 7 (june 2017): 1-18. ISSN 2340-4442

<https://www.uned.es/universidad/facultades/en/filosofia/bienvenida/facultad/revistas/Revista-Electrónica-de-Investigación-en-Filosof%C3%ADa-y-Antropolog%C3%ADa.html>

Natural Selection and Complexity, *Boletín de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia*, (October 2016): 22-26

<https://www.solofici.org/wp-content/uploads/2021/02/Bolet%C3%ADn-de-la-Sociedad-de-Lógica-Metodolog%C3%ADa-y-Filosof%C3%ADa-de-la-Ciencia-en-España-Especial-III-Conferencia-de-Graduados-octubre-2016.pdf>

Some thoughts about the logical structure of Grafen's Formal Darwinism Project. *Proceedings of the V Workshop on Philosophy of Biology and Cognitive Science – Life & Cognition*

<https://pbc5.files.wordpress.com/2014/10/airoidi.pdf>

PRESENTATIONS

July 2023	<p>Seeking a definition of sentience apt for sentience research Within the symposium “<i>The evolutionary origin of sentience as a bio-philosophical problem</i>” 4th Lisbon conference in philosophy of science (LICPOS 2023) Centro da Filosofia das Ciências, Universidade de Lisboa, Lisbon, Portugal</p>
July 2023	<p>Are novelties possible in the formalizations of the theory of natural selection? An ontological analysis International society for History, Philosophy and Social Studies of Biology (ISPSSB) – 2023 meeting Toronto, Canada</p>
June 2023	<p>Analogies as global narratives in sentience research. (with Davide Vecchi) The Value Of Scientific Representation. Classic Issues And Contemporary Challenges Instituto de filosofia da nova, Universidade Nova de Lisboa, Lisbon, Portugal</p>
May 2023	<p>Machines or Souls: an historical review of the debates around the status of animals. Mechanism and its Enemies: New perspectives on the relation between machines and organisms Universidade de Lisboa, Lisbon, Portugal</p>
October 2022	<p>Neo-Darwinian formalizations of the Darwin theory: an ontological critical analysis. VII Brazilian Society for Analytic Philosophy Conference Rio de Janeiro, Brasil</p>

June 2022	<p>'Thrice shalt thou deny me' or: three ontological reasons why the formalizations of the theory of natural selection betray Darwin's original idea about the origin of novelties</p> <p>2022 Hi-Phi International Conference Lisbon, Portugal</p>
February 2022	<p>The metaphysical paradigm of adaptationism</p> <p>Supuestos subyacentes de la biología evolutiva UNED, Madrid</p>
November 2021	<p>The arrival of the smartest.</p> <p>X Congreso de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia Salamanca, Spain</p>
July 2021	<p>Perspectivas de integración de evidencias en las 'políticas basadas en la evidencia': el caso de la pandemia de Covid-19.</p> <p>IV Seminario de Investigación Filosófico-Teológico (UTPL) Loja, Ecuador (on-line)</p>
May 2021	<p>The arrival of the Smartest. In favour of a pluralistic account of the evolution of cognition.</p> <p>2021 Embodied Cognition Conference Cluj-Napoca, Rumania (on-line)</p>
May 2021	<p>A possible framework for uncovering the ethical framing of public health policies</p> <p>(With Davide Vecchi, University of Lisbon) Philosophical Perspectives on COVID-19 University of Johannesburg (on-line)</p>
September 2020	<p>Ethical framing and democratisation of science policy benefit governmental risk communication and management</p> <p>(With Davide Vecchi, University of Lisbon) Mancept Workshop in Political Theory 2020 Manchester (on-line)</p>
September 2020	<p>A proposal of classification of biological complexity changes in evolutionary phenomena</p> <p>VI congress of the Brazilian Society for Analytic Philosophy (SBFA) Porto Alegre (on-line)</p>
June 2020	<p>Beyond Fitness: Robustness as measure of non-selective evolutionary phenomena</p> <p>IAS talks UPV – EHU (University of the Bask Countries)</p>
October 2019	<p>Natural Selection and the complexity of life</p>

	MAP 1 st meeting Madrid
July 2019	A model of phenotypic architectural changes to account for selective and non-selective processes of evolutionary changes International society for History, Philosophy and Social Studies of Biology (ISPSSB) – 2019 meeting Oslo
June 2018	Drift and the Price equation. III Congreso de la Asociación Iberoamericana de Filosofía de la Biología Bogotá – Columbia
March 2018	The concept of fitness as the ‘Troy horse’ of adaptationism against non-adaptationist proposals of evolutionary explanations. University of the Basque Country UNIVERSIDAD DEL PAÍS VASCO – EUSKAL HERRIKO UNIBERTSITATEA
October 2017	Evolution without selection: how shrinking the scope of fitness as the explanatory driver of evolutionary changes can reconcile adaptationism and pluralism. On the nature of variation: random, biased and directional. University of Lisbon
July 2017	What is the place of genetic drift in Price equation Session: Genetic Drift: Theoretical and Philosophical Perspectives at the International society for History, Philosophy and Social Studies of Biology (ISPSSB) – 2017 meeting Sao Paulo
July 2017	A proposal of Design Space to classify and explain evolutionary changes Session: Philosophy of Evolution at the International society for History, Philosophy and Social Studies of Biology (ISPSSB) – 2017 meeting Sao Paulo
June 2017	What is the place of drift in the Price equation? SILFS (Italian Society for Logic and Philosophy of Science) University of Bologna
May 2017	Selección natural y complejidad VII jornada de investigación en filosofía UNED Madrid
December 2016	More than Fitness: a robustness-based proposal of classification of evolutionary changes.

	Third Lisbon International Conference on Philosophy of Science: Contemporary Issues. University of Lisbon
June 2016	Does Natural Selection explain complexity? Philosophy of Biology in the UK University of Bristol
June 2016	Natural Selection and Complexity III Congreso de graduados de la SLMFCE Universidad de Valencia
February 2016	Fitness and Robustness: a Thermodynamic Metaphor Nuevas Corrientes de Filosofía de la Biología UNED, Madrid
September 2015	From Natural Selection to Design: some comments around the logical structure of the Formal Darwinism Project by Alan Grafen II Congreso de la Asociación Iberoamericana de Filosofía de la Biología – Valle Bravo, Mexico
April 2015	The Formal Darwinism Project and Design III Workshop of Philosophy of Biology and cognitive Science UNED, Madrid

MISCELLANEUS

Member of the organization committee of the IX Congreso de la Sociedad de Lógica, Metodología y Filosofía de la Ciencia en España (IX-SLMFCE), November, 13th-16th, 2018, at UNED, Madrid.

Reviewer for the journals: Quaderns de Filosofia, Theoria, Endoxa, Teorema, MDPI journals (Philosophies, Life, Religions, Helathcare), Philosophy of Medicine

Member of SAF (Sociedad Académica de Filosofía), SOLOFICI (Sociedad de Lógica y Filosofía de la Ciencia), Asociación Iberoamericana de Filosofía de la Biología.

Languages:

- Bi-lingual Italian-Spanish
- English: fluent (Cambridge C1 certificate)
- French, Portuguese: high
- Dutch: intermediate
- German: basic