**Celso Neto**

Department of Social and Political Sciences, Philosophy, and Anthropology

Centre of Study of the Life Sciences (EGENIS) C.Alves-Neto@exeter.ac.uk

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**AREAS OF INVESTIGATION**

Specialization: Philosophy of Biology, Philosophy of Race, General Philosophy of Science

Competence: Metaphysics, Mind and Language, Applied Ethics

**ACADEMIC EMPLOYMENT**

***Lecturer****,* University of Exeter, United Kingdom2022 to present

Department of Sociology, Philosophy, and Anthropology

***Postdoctoral Research Fellow***, Dalhousie University, Canada 2020-2021

Department of Biochemistry and Molecular Biology

Department of Philosophy

***Instructor*** *(fixed term)*, University of Calgary, Canada Summer 2018 and 2019

Department of Philosophy

**EDUCATION**

***PhD****,* Philosophy 2020

University of Calgary, Canada

Dissertation: *Biological Lineages in Philosophical Focus* supervised by Marc Ereshefsky

***Doctoral Researcher,*** Philosophy 2014-2016

Leibniz University Hannover, Germany

***M.A.***, Philosophy 2013

Federal University of Minas Gerais, Brazil

***B.A. and Licenciatura*,** Philosophy 2009

Federal University of Minas Gerais, Brazil

**GRANTS AND AWARDS**

German Research Foundation Postdoctoral Fellowship *(awarded but not accepted)* 2020-2023

Bielefeld University, $102,000 EUR

Izaak Walton Killiam Memorial Scholarship, University of Calgary, $60,000 CAD 2019-2021

Izaak Walton Killiam Research Scholarship, University of Calgary, $6,000 CAD 2019-2021

Silver Anniversary Graduate Scholarship, University of Calgary, $20,000 CAD 2018

Eyes High Doctoral Scholarship, University of Calgary, $3,500 CAD 2018

The Graduate College Scholarship, University of Calgary, $4,500 CAD 2016-2019

Philosophy Graduate Essay Prize, University of Calgary, $2,500 CAD 2018

Speaker Series Project Support Grant, University of Calgary, $4,500 CAD 2017-2018

Academic Project Support Grant, University of Calgary, $1,500 CAD 2017

Templeton Foundation Stipend, University of Minnesota, $3,500 CAD 2017

FGS Travel Award, University of Calgary, $1,000 CAD 2017

DAAD/CAPES/CNPq Brazil-Germany Doctoral scholarship, $36,000 EUR 2014-2016

DAAD German Winterkurs Scholarship, Duisburg-Essen University, $2,000 EUR 2012

CNPq M.A Scholarship, Federal University of Minas Gerais, $28,000 BRL 2011-2013

**PEER-REVIEWED PUBLICATIONS**

**1. Neto, C**., & Meynell, L. (2023) Scaffold: A Causal Concept for Evolutionary Explanations. *Philosophy of Science* DOI: https://doi.org/10.1017/psa.2023.14

**2. Neto, C**., Meynell, L., & Jones, T. C. (2023). Scaffolds and Scaffolding: An Explanatory Strategy in Evolutionary Biology.*Biology & Philosophy.* [https://doi.org/10.1007/s10539-023-09897-y](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdoi.org%2F10.1007%2Fs10539-023-09897-y&data=05%7C01%7CC.Alves-Neto%40exeter.ac.uk%7C2bc03fdaef8b41b73b0508db142af6a3%7C912a5d77fb984eeeaf321334d8f04a53%7C0%7C0%7C638125947243903352%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=iQhg0dBZL7m2RTpk5ky9OcRsFF2VpneaxL1wZnVpMhc%3D&reserved=0)

**3.** Jones, Christopher, Meynell, L., **Neto, C.,** et al. (2023). The role of the ecological scaffold in the origin and maintenance of whole-group trait altruism in microbial populations. *BMC Ecology and Evolution.*

**4. Neto, C**., & Doolittle, F. (2022) A chemostat model for evolution by persistence: clade selection and its explanatory autonomy. *Philosophy of Science* DOI: https://doi.org/10.1017/psa.2022.11

**5. Neto, C.** (2021) From Idealization to Social Practices in Science: The Case of Phylogenetic Trees. *Synthese DOI:* 10.1007/s11229-021-03271-9

**6. Neto, C.** (2020) When Imprecision is a Good Thing, or How Imprecise Concepts Facilitate Integration in Biology. *Biology & Philosophy* 35, 58 https://doi.org/10.1007/s10539-020-09774-y

**7. Neto, C.** (2019) What is a Lineage? *Philosophy of Science* 86(5) 1099-1110. DOI: https://doi.org/10.1086/705511

**8. Neto, C.** (2016) Rethinking Species Cohesion and Individuality *Biological Theory 11*(3), 138-149.

**9. Neto, C.** (2012) Individuals or Natural Kinds? On David Hull’s account of the metaphysics of species

*Rumos da Epistemologia, vol.11, 219-234*. (*In Portuguese*)

**10. Neto, C.** (2011) Questioning the role of species cohesion in David Hull’s species-as-individuals thesis.

*História e Filosofia da Biologia*, 6 (2), 189-209. (*In Portuguese*)

**OTHER PUBLICATIONS**

**11. Neto, C.** (2014) Translation from German to Brazilian Portuguese: Hoyningen-Huene, P and Oberheim, E. “Neues zu Feyeabend”. In: Abrahao, L. (ed.) Kuhn, Feyerabend e incomensurabilidade. Unisinos.

**12. Neto, C.** (2012) Molecular Biology, Reductionism, and Multiple Realizability. *Proceedings to Segundo Colóquio Internacional do NEPC,* BH, Brazil (*In Portuguese*)

**PRESENTATIONS** *(full list available upon request)*

“Metaphors in Science: The case of ‘Scaffolding’”

Queens University Belfast, UK, March 2023 (invited)

“Scaffold: A Causal Concept for Evolutionary Explanations”

PSA – Philosophy of Science Association, Pittsburgh, November 2022

“The Risk of Biological Race Realism”

Philosophy Talk Series, Open University UK, April 2022 (invited)

“The Metaphysics of Race meets Inductive Risk: Challenging the New Biological Race Realism”

PSA - Philosophy of Science Association, Baltimore, November 2021

Ancestry Workshop, Pittsburgh Center for Philosophy of Science, January 2021

“Evolutionary Scaffolds: Articulating Processes in Evolutionary Explanations”

Department of Philosophy, Dalhousie University, May 2021 (invited)

“What Is It that Evolves?”

International Society of History Philosophy and Social Sciences of Biology July 2021

Digital Seminar Talk Series, Lisbon University, April 2021 (invited)

“When Imprecision is a Good Thing”

Department of Philosophy, Dalhousie University, October 2020 (invited)

“Rethinking the Use of Idealization in Scientific Practice: The case of Phylogenetic Trees”

University of Massachusetts Lowell, June 2021 (invited)

Philosophy of Biology at the Mountains, University of Utah, June 2020

“There is no Tree of Life – Long Live the Tree of Life”

The Apeiron Society for the Practice of Philosophy, Calgary, January 2020 (invited)

“What is a Lineage?”

APA - American Philosophical Association Pacific Division, Vancouver, April 2019

PSA - Philosophy of Science Association, Seattle, November 2018

“Species Cohesion in the Age of Discordance”

Species in the Age of Discordance Conference, University of Utah, March 2017 (invited)

“Genealogy and Evolvability”

PSA - Philosophy of Science Association, Atlanta, November 2016

Philosophy of Biology at Madison, University of Wisconsin-Maddison, May 2016

**GRADUATE STUDENT SUPERVISION**

Joshua Smit 2023

Rob Thompson (M.A, University of Exeter) 2022

**TEACHING** *(full list available upon request)*

**Courses**

University of Exeter, UK

The Philosophy of Nature Spring 2022 and 2023

Animal Minds and Animal Ethics Spring 2023

Social Epistemology (Co-Instructor) Spring 2023

Philosophy and Sociology of Race Fall 2022

University of Calgary, Canada

The Philosophy of Race Spring 2019

Information Technology Ethics Spring 2018

Instituto Federal de Minas Gerais, Brazil

Introduction to Philosophy of Science Spring 2013

Principles of Scientific Methodology Spring 2013

Universidade Federal de Minas Gerais, Brazil

Introduction to Philosophy of Biology (Co-instructor) Spring 2012 and Fall 2013

**Others**

University of Calgary, Canada

Speaker at the Philosophy Writing Workshops 2020-2019

Academic tutor in Doctoral Scholarship Proposal Writing 2019

Adjudicator in Teaching Awards competition 2019

**PROFESSIONAL SERVICE**

**Associations and Conferences**

Program Committee Member at the International Society of History, Philosophy

and Social Studies of Biology 2021

Student Representative at the International Society of History, Philosophy

and Social Studies of Biology 2017-2019

**University of Calgary**

Member of the Climate and Diversity Committee in the Philosophy Dept 2020

Minorities and Philosophy chapter director 2019-2020

Referee for the University of Calgary Graduate Philosophy Conference 2019-2020

Director of the Philosophy of Science Journal Club 2017-2019

Student Representative in the University of Calgary Philosophy Department 2018-2019

Director of the Graduate Colloquium Seminar 2017-2018

Director of the Annual Graduate Philosophy Conference 2018

Organizer of The Annual Graduate Philosophy Conference 2017

**Federal University of Minas Gerais**

Organizer of Darwin International Conference 2013

Administrator at Contemporary Thinking Studies Program 2013

**REFEREE SERVICE**

*Philosophy and Technology (x1); Synthese (1x); Biology and Philosophy (1x); Studies in History and Philosophy of Science (2x); Philosophy Theory and Practice in Biology (1x); History and Philosophy of the Life Sciences (1x); Ecology and Evolution (x1)*

**PROFESSIONAL AFFILIATIONS**

*Philosophy of Science Association;*

*International Society of History, Philosophy and Social Studies of Biology*

**LANGUAGES**

English (fluent), German (fluent), Portuguese (native), and Spanish (reading and conversation)

**REFERENCES**

Sabina Leonelli (University of Exeter)

Department of Sociology, Philosophy, and Anthropology

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Exeter, UK, EX4 4PJ, United Kingdom

Email: S.Leonelli@exeter.ac.uk

Marc Ereshefsky (University of Calgary):

Department of Philosophy, University of Calgary, Calgary, Alberta T2N 1N4  
Canada. Email: [ereshefs@ucalgary.ca](mailto:ereshefs@ucalgary.ca)

Ford Doolittle (Dalhousie University)

Department of Biochemistry and Molecular Biology, Dalhousie University, Halifax, Nova Scotia B3H 4R2, Canada. Email: ford@dal.ca

Matthew Haber (University of Utah):

Department of Philosophy, University of Utah, Salt Lake City, UT84112

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Thomas Reydon (Leibniz Universität Hannover):

Institute of Philosophy, Leibniz Universität Hannover, 30167 Hannover, Germany.

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C. Kenneth Waters (University of Calgary):

Department of Philosophy, University of Calgary, Calgary, Alberta T2N 1N4  
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