**Celso Antônio Alves Neto**

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**AREAS OF STUDY**

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

Competence: Applied Ethics, Gender Studies, Metaphysics, Philosophy of Mind and Language

**ACADEMIC EMPLOYMENT**

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

Cross-appointed at: Philosophy and Biochemistry and Molecular Biology

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

Department of Philosophy

**EDUCATION**

***PhD****,* Philosophy Awarded in 2020

University of Calgary, Canada

Dissertation Title: Biological Lineages in Philosophical Focus

Supervisor: Marc Ereshefsky

Committee: Matthew Haber (University of Utah), Jason Anderson (Veterinary, University of Calgary), Thomas Reydon (Leibniz University Hannover), Kenneth C. Waters (University of Calgary), Megan Delahanty (University of Calgary)

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

Leibniz University Hannover, Germany

***M.A.***, Philosophy Awarded in 2013

Federal University of Minas Gerais, Brazil

***B.A.*,** Philosophy Awarded in 2009

Federal University of Minas Gerais, Brazil

***Visiting Scholar***, Philosophy 2008-2009

Saarland University, Germany

***Licenciatura*,** Philosophy (*High School Teaching Degree*) Awarded in 2006

Federal University of Minas Gerais, Brazil

**PEER-REVIEWED PUBLICATIONS**

(2021) “From Idealization to Social Practices in Science: The Case of Phylogenetic Trees” *Synthese (Online First) DOI* 10.1007/s11229-021-03271-9

(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

(2019) “What is a Lineage?” *Philosophy of Science* 86(5) 1099-1110.

(2016) “Rethinking Species Cohesion and Individuality” *Biological Theory 11*(3), 138-149.

(2012) “Individuals or Natural Kinds? On David Hull’s account of the metaphysics of species” in: Revista *Rumos da Epistemologia, vol.11, 219-234*. (*In Portuguese*)

(2011) “Questioning the role of species cohesion in David Hull’s species-as-individuals thesis” in: *História e Filosofia da Biologia*, 6 (2), 189-209. (*In Portuguese*)

**PROCEEDINGS**

(2012) “Molecular Biology, Reductionism, and Multiple Realizability” In: *Anais do Segundo Colóquio Internacional do NEPC,* BH, Brazil (*In Portuguese*)

**TRANSLATIONS**

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

**WORK IN PROGRESS** *(selected)*

A Chemostat Model for Evolution by Persistence, and Its Relevance to Clade Selection (R&R *Philosophy of Science*) – co-authored with Ford Doolittle

Inductive Risk meets the Metaphysics of Race (book chapter in preparation)

**GRANTS AND AWARDS**

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

Bielefeld University, $102,000 EUR 2020-2023

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

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

“Evolutionary Scaffolds: Articulating Processes in Evolutionary Explanations”

Department of Philosophy, Dalhousie University, May 2021

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

PSA - Philosophy of Science Association, Baltimore, November 2021 (scheduled)

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

“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 talk)

“When Imprecision is a Good Thing”

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

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

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 talk)

“The Evolution of Multicellularity and Lineage Pluralism”

International Society of History, Philosophy and Social Sciences of Biology, Oslo, July 2019

“What is a Lineage?”

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

PSA - Philosophy of Science Association, Seattle, November 2018

“Species Cohesion at the Age of Discordance”

International Society of History, Philosophy and Social Sciences of Biology, Sao Paulo, July 2017

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

“Genealogy and Evolvability”

PSA - Philosophy of Science Association, Atlanta, November 2016

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

“Lineages as Units of Evolvability”

International Society of History, Philosophy and Social Sciences of Biology, Montreal, July 2015

“Lineages and Identity: a critique of de Queiroz's solution to the Species Problem”

Congress of Logic Methodology and Philosophy of Science, Helsinki, August 2015

**FURTHER RESEARCH EXPERIENCE**

*Research Assistant* 2016-2017/2019/2020

Philosophy (for Marc Ereshefsky), University of Calgary

*Workshops and Summer Schools*

Philosophy of Paleontology Workshop at Provincial Park, Canada 2017 From Biological Practice to Scientific Metaphysics Summer School, Canada 2017

Individuality in the Life Sciences Interdisciplinary, Germany 2015

European Advanced Seminar in The Philosophy of the Life Sciences, Austria 2014

*Research Groups*

Vendler Group Philosophy of Language, University of Calgary 2016-2019

Philosophy of Race Discussion Group, University of Calgary 2018

Biological Individuality Discussion Group, University of Calgary 2016

**TEACHING EXPERIENCE**

**Course Instructor**

The Philosophy of Race PHIL 399 Spring 2019

University of Calgary

Information Technology Ethics PHIL314 Spring 2018

University of Calgary

Introduction to Philosophy of Science Spring 2013

Federal Institute of Minas Gerais, Brazil

Scientific Methods Spring 2013

Federal Institute of Minas Gerais, Brazil

Introduction to Sociology (*high school level*) Spring 2013

Federal Institute of Minas Gerais, Brazil

Introduction to Philosophy of Biology (co-instructor) 2012-2013

Federal University of Minas Gerais, Brazil

Introduction to Philosophy *(high school level)* Fall 2010

E.E. Nilo Maurício, Brazil

**Teaching Assistant**

Mind and World (Metaphysics) PHIL395 Fall 2018

University of Calgary

Mind, Matter and God (Metaphysics and Philosophy of Mind) PHIL201 Winter 2018

University of Calgary

Introduction to Woman’s Studies WMST201 Winter 2017

University of Calgary

**TEACHING AND PROFESSIONAL DEVELOPMENT**

**University of Calgary**

Speaker at the Philosophy Writing Workshops 2020-2019

Academic tutor in Doctoral Scholarship Proposal Writing 2019

Adjudicator in Teaching Awards competition 2019

Scholarship of Teaching and Learning (SoTL) Development Program 2018

RWRD Program: Writing development Program 2017

Graduate Student Teaching Development Program 2016

**Elsewhere**

Philosophy Exams Developer, Instituto Avaliar 2013

(elaborating philosophy tests to Brazilian high schools)

**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 Theory and Practice in Biology ; Biology and Philosophy ; Studies in History and Philosophy of Science ; Ecology and Evolution*

**PROFESSIONAL AFFILIATIONS**

*American Philosophical Association*

*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**

1. Marc Ereshefsky (University of Calgary):

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

1. Matthew Haber (University of Utah):

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

Email: matt.haber@utah.edu

1. Thomas Reydon (Leibniz Universität Hannover):

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

Email: reydon@ww.uni-hannover.de

1. C. Kenneth Waters (University of Calgary):

Department of Philosophy, University of Calgary, Calgary, Alberta T2N 1N4  
Canada. Email: cwaters@ucalgary.ca

1. Megan Delahanty (University of Calgary)

Department of Philosophy, University of Calgary, Calgary, Alberta T2N 1N4  
Canada. Email: mdelahan@ucalgary.ca

1. Ford Doolittle (Dalhousie University)

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