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AREAS OF SPECIALIZATION

Philosophy of Science, Philosophy of Biology, Philosophy of Race

AREAS OF COMPETENCE

Applied Ethics (including Information Technology), Metaphysics, Philosophy of Mind, and Gender Studies

EDUCATION

PhD in Philosophy, University of Calgary, Canada

Expected April 2020

Dissertation Title: *Biological Lineages: Epistemological and Metaphysical Issues*

Abstract: Lineages are sequences of genes, organisms, or species having parent-offspring relations. These sequences are important in many areas of biology, such as population genetics, systematics, and oncology. Biologists often treat lineages in ambiguous and oversimplified ways, which leads to inconsistencies among their theories and practices. In this dissertation, I explore two types of philosophical consequences of that treatment. First, I develop an account of why an ambiguous and oversimplified treatment of lineages is useful for biology. This treatment allows biologists to produce *simplified models* in biology. These models are crucial to the development of systematics, for example. Second, I propose *lineages pluralism* – the thesis that lineages have no single unified nature. This thesis follows from an analysis of how lineages at various hierarchical levels and life domains relate to one another in both evolutionary and developmental contexts. In sum, my dissertation shows how biology benefits from ambiguities about lineages and indicates the ontological commitment of this science to a new kind of pluralism.

Committee: Matthew Haber (Utah), Marc Ereshefsky (supervisor, Calgary), Kenneth C. Waters (Calgary), Megan Delahanty (Calgary), Jason Anderson (Veterinary, Calgary), Thomas Reydon (Hannover)

M.A in Philosophy, Federal University of Minas Gerais, Brazil.

Awarded in 2013

B.A in Philosophy, Federal University of Minas Gerais, Brazil.

Awarded in 2009

Licenciatura in Philosophy, Federal University of Minas Gerais, Brazil.

Awarded in 2006

PUBLICATIONS

Peer-review Journals

(2019) “What is a Lineage?” *Philosophy of Science* 86(5) December

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

(2012) “Indivíduos ou Tipos Naturais? Estatuto Ontológico e Natureza Histórica das Espécies Biológicas em David Hull” in: *Revista Rumos da Epistemologia*, vol.11, 219-234.

(2011) “Considerações Críticas sobre o papel do conceito de “coesão” na tese espécies –como– indivíduos de David Hull” in: *História e Filosofia da Biologia*, 6 (2), 189-209.

Conference Papers

(2012) “Biologia Molecular, Reduccionismo e o fenômeno da Instanciação Múltipla (multiple realizability)” In: *Anais do Segundo Colóquio Internacional do Núcleo de Estudos do Pensamento Contemporâneo*.

Translations

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

AWARDS

Izaak Walton Killiam Memorial Scholarship, University of Calgary, \$30,000 CAD	2019
Izaak Walton Killiam Research Scholarship, University of Calgary, \$3,000 CAD	2019
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
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 PRESENTATIONS

The Evolution of Multicellularity and Lineage Pluralism

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

What is a Lineage?

American Philosophical Association Pacific Division, Vancouver, April 2019

Philosophy of Science Association, Seattle, November 2018

Western Canadian Philosophical Association, Calgary, October 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, Salt Lake City, March 2017 *invited*

Genealogy and Evolvability

Philosophy of Science Association, Atlanta, November 2016

Philosophy of Biology at Madison, Wisconsin, 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

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

Cohesion and The Individuality Thesis

International Society of History, Philosophy and Social Studies of Biology, Montpellier July 2013

RESEARCH EXPERIENCE

Research Assistant for Prof. Marc Ereshefsky, University of Calgary	2016-2017/2019
Participant, Vendler Group Philosophy of Language Workshops, University of Calgary	2016-2019
Participant, Philosophy of Race Discussion Group, University of Calgary	2018
Participant, Philosophy of Paleontology Workshop at Provincial Park, Canada	2017
Participant, From Biological Practice to Scientific Metaphysics Summer School, Canada	2017
Participant, Biological Individuality Discussion Group, University of Calgary	2016
Commentator, European Advanced Seminar in The Philosophy of the Life Sciences, Austria	2014

TEACHING APPOINTMENTS

The Philosophy of Race PHIL 399 Instructor – University of Calgary	Spring 2019
Mind and World (Metaphysics) PHIL395 Teaching Assistant – University of Calgary	Fall 2018
Information Technology Ethics PHIL314 Instructor – University of Calgary	Spring 2018
Mind, Matter and God (Metaphysics and Philosophy of Mind) PHIL201 Teaching Assistant – University of Calgary	Winter 2018
Introduction to Woman's Studies WMST201 Teaching Assistant – University of Calgary	Winter 2017
Introduction to Philosophy of Science Instructor - Federal Institute of Minas Gerais, Brazil	Spring 2013
Scientific Methods (Introduction to research problems and project writing) Instructor - Federal Institute of Minas Gerais, Brazil	Spring 2013
Introduction to Sociology High School Teacher - Federal Institute of Minas Gerais, Brazil	Spring 2013

Introduction to Philosophy of Biology Co-Instructor - Federal University of Minas Gerais, Brazil.	2012-2013
Introduction to Philosophy High School Teacher - E.E. Nilo Maurício, Brazil	Fall 2010

TEACHING-RELATED EXPERIENCE AND PROFESSIONAL DEVELOPMENT

Academic tutor in Doctoral Scholarship Proposal Writing, University of Calgary	2019
Adjudicator in Teaching Awards competition, University of Calgary	2019
Speaker at the Philosophy Writing Workshop, University of Calgary	2019
Scholarship of Teaching and Learning (SoTL) Development Program, University of Calgary	2018
RWRD Program: Writing development Program, University of Calgary	2017
Graduate Student Teaching Development Program, University of Calgary	2016
Philosophy Exams Developer, Instituto Avaliar (elaborating philosophy tests to Brazilian high schools)	2013

PROFESSIONAL SERVICE

Referee for the Journal <i>Ecology and Evolution</i>	2018-
Director of the Philosophy of Science Journal Club, University of Calgary	2017-
Referee for the University of Calgary Graduate Philosophy Conference	2019
Student Representative in the University of Calgary Philosophy Department	2018-2019
Student Representative at International Society of History, Philosophy and Social Studies of Biology	2017-2019
Director of the Graduate Colloquium Seminar, University of Calgary	2017-2018
Director of the Annual Graduate Conference, University of Calgary	2018
Organizer of The Annual Graduate Conference, University of Calgary	2017
Organizer of Darwin International Conference, Federal University of Minas Gerais	2013
Administrator at NEPC, Federal University of Minas Gerais	2009

PROFESSIONAL AFFILIATIONS

American Philosophical Association

Philosophy of Science Association

International Society of History, Philosophy and Social Studies of Biology

LANGUAGES

Portuguese (native), English (fluent), German (fluent), and Spanish (intermediary)

REFERENCES

Marc Ereshefsky (University of Calgary):

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

C. Kenneth Waters (University of Calgary):

Department of Philosophy, University of Calgary, Calgary, Alberta T2N 1N4
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Megan Delahanty (University of Calgary)

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

Matthew Haber (University of Utah):

Department of Philosophy, University of Utah, Salt Lake City, UT84112
Email: matt.haber@utah.edu

Thomas Reydon (Leibniz Universität Hannover):

Institute of Philosophy, Leibniz Universität Hannover, 30167 Hannover, Germany.
Email: reydon@ww.uni-hannover.de