

Alkistis Elliott-Graves

Curriculum Vitae

November 2020

Department of Philosophy
Bielefeld University
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Bielefeld

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DETAILS

Place and Date of Birth	Athens, 2.10.1985
Citizenship	British, Greek
Current Residence	Bielefeld, Germany

EMPLOYMENT

Junior Professor in Philosophy of Science Bielefeld University	Oct 2020 – continuing
Primary Investigator, 3-year Research Fellowship University of Helsinki	Jan 2019 – Dec 2021
Marie Skłodowska-Curie Fellow University of Helsinki & Australian National University	Sep 2018 – Sep 2020
Postdoctoral Researcher Department of Political and Economic Studies (TINT), University of Helsinki, Finland	Jun 2016 – Sep 2018
Postdoctoral Fellow in Philosophy of Science Rotman Institute of Philosophy, Western University, Canada	Aug 2014 – May 2016

EDUCATION

PhD University of Pennsylvania, August 2014

Dissertation in Philosophy: Target Systems and their Role in Scientific Inquiry

Areas of Specialization	Philosophy of Biology (esp. Ecology), Philosophy of Science
Areas of Competence	Philosophy of the Social Sciences, Early Modern Natural Philosophy

MSc London School of Economics and Political Science, 2008 (Distinction)

Dissertation in Philosophy of the Social Sciences: An Evolutionary Account of Human Reason

BA University College London, 2007 (1st Class Honors)

European Social and Political Studies, Area of Specialization: Philosophy, Language: Italian

GRANTS AND AWARDS

3-year Research Grant	University of Helsinki (2019-2021) – Primary Investigator, leading a team of 3 PhD Candidates Title of Project: <i>Prediction in a Changing Climate</i>
Marie Skłodowska-Curie Fellowship, Global	Horizon 2020 European Commission (2018-2020) Title of Project: <i>Prediction in Complex Systems</i>
University of Pennsylvania	Critical Writing Fellowship (2013-2014) George W. M. Bacon Fellowship (2012-2013) Benjamin Franklin Fellowship (2008-2012)
University College London & Scuola Normale Superiore di Pisa	Exchange Program Scholarship (2005-2006)

PUBLICATIONS

Journal Articles

- Elliott-Graves, A. (*forthcoming*) ‘The Future of Predictive Ecology’ *Philosophical Topics*
- Elliott-Graves, A. (2020) ‘What is a Target System?’ *Biology and Philosophy* 35(8).
- Elliott-Graves, A. (2020) ‘The Value of Imprecise Prediction’ *Philosophy Theory and Practice in Biology* 12(4).
- Elliott-Graves, A. (2018) ‘Generality and Causal Interdependence in Ecology’ *Philosophy of Science* 85(1): 1102–1114.
- Elliott-Graves, A. (2016) ‘The Problem of Prediction in Invasion Biology’ *Biology and Philosophy*. 31:373-393.
- Elliott-Graves, A. & Weisberg, M. (2014) ‘Idealization’ *Philosophy Compass*, 9: 176–185.

Book Reviews

- Elliott-Graves, A. Review of *Defending Biodiversity: Environmental Science and Ethics* by Newman J., Varner G., & Linquist S., (2017), Cambridge University Press. - *Notre Dame Philosophical Reviews*

COLLOQUIA & PRESENTATIONS

1. October 2020 - FraMEPhys Idealized Models Workshop - University of Birmingham, Birmingham, UK (via Zoom). Title of Paper: “What are General Models About?” (invited speaker)
2. April 2020 - KLI Colloquia, Konrad Lorenz Institute, Vienna, Austria (via Zoom). Title of Paper: “Optimal Model Complexity in Sustainability Science” (invited speaker)
3. February 2020 - Are Climate Impacts Environmental Impacts? Court Review of Complex Environmental Knowledge and Impacts, Helsinki Institute of Sustainability Science (HELSUS) Seminar, Helsinki, Finland. Title of Paper: Prediction in the Wild (invited speaker)
4. August 2019 - Philosophy of Biology on Dolphin Beach 13, Moruya, Australia. Title of Paper: Prediction in the Wild (invited speaker)
5. July 2019 - Philosophical Perspectives on the Niche, Münster, Germany. Title of Paper: “Niche concepts, Species Distribution Models and Biological Invasions” (invited speaker)
6. July 2019 - International Society for the History, Philosophy and Social Studies of Biology, Oslo, Norway. Title of Paper: “Meta-analysis as a Predictive Tool for Invasion Biology”, in the

- Symposium “Tackling Bioinvasions 60 years on: lessons from the trenches”. (refereed presentation)
7. June 2019 - Charles University. Idealization Across the Sciences Workshop, Prague, Czech Republic. Title of Paper: Agreeing to Disagree: Pluralism about Optimal Model Complexity (invited speaker)
 8. July 2018 - Hebrew University of Jerusalem, Modeling Reality Workshop, Jerusalem, Israel. Title of Paper: What are General Models about? (invited speaker)
 9. June 2018 - Center for Science and Thought, University of Bonn, Workshop in honour of George Ellis: 'How Can Physics Underlie the Mind: Top-Down Causation in the Human Context', Bonn, Germany. Title of paper: 'Levels in Ecological Modelling' (invited speaker)
 10. February 2018 - University of Gothenburg, Research Seminar in Practical Philosophy and Political Theory, Gothenburg, Sweden. Title of paper: 'When Qualitative Predictions *are* enough' (invited speaker)
 11. October 2017 - TINT workshop 'What to make of highly unrealistic models?', Helsinki, Finland. Title of paper: "When and how do general models apply to the world?" (refereed presentation)
 12. October 2017 - 9th Bethe Center Workshop 'Computational Sciences and Reality', Bonn Germany. Title of paper: "When and how do general models apply to the world?" (invited speaker)
 13. September 2017 - European Philosophy of Science Association, Exeter, UK. Title of paper: Re-examining the value of Qualitative predictions for Problem-Based Science (refereed presentation)
 14. May 2017 - Workshop on Sustainability and Philosophy: ‘Achieving the Sustainable Development Goals: Philosophical and Scientific Perspectives’, Trondheim, Norway. Title of Paper: "One size fits none: the importance of model diversity in sustainability research" (invited speaker)
 15. January 2017 - Interdisciplinary Futures: Open the Social Sciences 20 years later, Lisbon, Portugal. Title of Paper: "Walking the Line: When Disciplinary Boundaries are good for Interdisciplinarity" (refereed presentation)
 16. November 2016 - Philosophy of Science Association, Biennial Meeting, Atlanta, USA. Title of paper: "Generalizability and Interdependence in Ecological Research", in the Symposium "Causality and Interdependence in Ecology" (refereed presentation)
 17. May 2016 - Models and Simulations 7, Barcelona, Spain. Title of paper: "The Danger of Over-Generalization in Ecological Modelling" (refereed presentation)
 18. April 2016 - University of Calgary, Philosophy of Ecology Workshop, Calgary, Canada. Title of paper: "Two Kinds of Ecological Generality" (invited speaker)
 19. July 2015 - International Society for the History, Philosophy and Social Studies of Biology, Montréal, Canada. Title of paper: "Causal Heterogeneity Constrains Predictive Power in Ecology", in the Symposium "Heterogeneity and the Problem of Ecological Prediction".
 20. May 2015 - University of Pennsylvania, Spring Workshop in HPS, Philadelphia, Pennsylvania. Title of paper: "Varieties of Prediction" (invited keynote speaker)
 21. March 2015 - Oakland University Colloquium Series, Michigan, USA. Title of paper: "Does greater Unification lead to better Predictions? The case of Invasion Biology" (invited speaker) - abstract
 22. September 2014 - Calgary Summit of Philosophy of Science, Future Approaches for Philosophy of Biology, Calgary, Canada. Title of poster: "Can there be a unified theory of Invasion Biology?" (refereed poster session)
 23. August 2014 - 8th Philosophy of Biology on Dolphin Beach Workshop, Moruya, Australia. Title of paper: “Can there be a Unified Theory of Invasion Biology?”

24. July 2013 - International Society for the History, Philosophy and Social Studies of Biology, Montpellier, France. Title of paper: "What is the Target of a Generalized Model?"
25. November 2012 - Philosophy of Science Association, Biennial Meeting, San Diego, USA. Title of paper: "Abstract and Complete" (refereed presentation)
26. March 2012 - Explanatory Styles in the Life Sciences Workshop, Van Leer Institute, Jerusalem, Israel. Title of paper: "Targets of Population Ecology" (invited presentation)
27. August 2011 5th Philosophy of Biology on Dolphin Beach Workshop, Moruya, Australia. Title of paper: "Models provide solutions to the problems of Invasion Biology"
28. July 2011 - International Society for the History, Philosophy and Social Studies of Biology Salt Lake City, USA. Title of paper: "Abstraction and Conceptualization in Invasive Species Research"
29. October 2010 - Integrating Complexity, ISHPSSB off-year workshop, London, ON, Canada. Title of paper: "Is Ecological Inheritance necessary for Niche Construction?"
30. July 2009 - International Society for the History, Philosophy and Social Studies of Biology Brisbane, Australia. Title of paper: "Why early humans did not think deductively"

TEACHING

Bielefeld University	<i>Philosophy & the Environment</i> (Wi 20-21) <i>Knowledge in Science & Philosophy</i> (Grad Seminar) (Wi 20-21)
Australian National University	<i>Prediction in Complex Systems</i> (PhD Seminar) (Spring 2019)
University of Helsinki	<i>Models vs Experiments</i> (Masters Level Seminar) (Fall 2017)
Western University	<i>Epistemology</i> (Advanced Undergraduate Seminar) (Spring 2015)
University of Pennsylvania	As Primary Instructor: <i>Philosophy of Biology</i> (Spring 2013) <i>Science and Human Nature</i> (Fall 2013, Spring 2014) As Teaching Assistant: <i>Early Modern Philosophy</i> (Spring 2011) <i>Philosophy of the Social Sciences</i> (Spring 2010) <i>Philosophy of Mind</i> (Fall 2010) <i>Introduction to Philosophy</i> (Fall 2009)

SUPERVISION

Bielefeld University	Robert Früstuckl (current)
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COLLABORATIONS

Member	Sinclair Lab (Ecology and Insect Physiology), Western University (Sep 2014-Aug 2016) http://publish.uwo.ca/~bsincla7/index.html
Member	Geofunctions Project, Rotman Institute, Western University (Jan 2015-Aug 2016) http://geofunctionsproject.org/

SERVICE

- Reviewer** British Journal for the Philosophy of Science, Philosophy of Science, Biology and Philosophy, European Journal of Philosophy of Science, Studies in the History and Philosophy of Science, Synthese, BioScience
- Conference Organiser** Philosophy of Biology on Dolphin Beach, Canberra/Moruya, Australia (July 2011)

LANGUAGES SPOKEN

English & Greek (native speaker), Italian (fluent), French (conversational), German (conversational), Finnish (beginner – Completed Suomi 2)