Lane DesAutels

Curriculum Vitae

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http://lanedesautels.com/

Areas of Specialization

- Philosophy of Science
- Philosophy of Biology
- Philosophy of Statistics

Areas of Competence

- Ethics
- Philosophy of Technology
- Logic

Academic Employment

- Associate Professor of Philosophy
    - Department of Social Sciences and Humanities, Missouri Western State University (August, 2021 – Present)
- Assistant Professor of Philosophy
    - Department of Social Sciences and Humanities, Missouri Western State University (August, 2016 – May 2021)
- Postdoctoral Fellow
    - Program for History and Philosophy of Science, University of Notre Dame (August, 2014 – May, 2016)

Education

- Ph.D. Philosophy, University of Maryland, College Park, College Park, MD (2014)
    - Dissertation: *Mechanism and Chance: Toward an Account of Stochastic Mechanism for the Life Sciences*
    - Dissertation Committee: Lindley Darden (director), Aidan Lyon, Mathias Frisch, Peter Carruthers, Jessica Pfeifer
- M.A. Philosophy, Western Michigan University, Kalamazoo, MI (2008)
- B.A. Philosophy, University of Puget Sound, Tacoma, WA (2004)

Peer Reviewed Publications

"Extending Evolutionary Individuality" with Caleb Hazelwood (Revise and Resubmit) *Philosophy, Theory, and Practice in Biology*

"Causal Inference from Noise" with Nevin Climenhaga and Grant Ramsey (2021) *Noûs* 55 (1):152-170.

"Natural Selection and Mechanistic Regularity" (2016) *Studies in History and Philosophy of Biological and Biomedical Sciences*, 57: 13-23.

"Toward a Propensity Interpretation of Stochastic Mechanism for the Life Sciences" (2015) *Synthese*. 192: 2921–2953.

"Against Regular and Irregular Characterizations of Mechanisms" (2011) *Philosophy of Science* 78 (5): 914-925.

"Sober and Elgin on Laws of Biology: A Critique" (2010) *Biology and Philosophy* 25:249-256.

Invited Book Chapters

"Mechanisms in Evolutionary Biology" (2018) *Routledge Handbook of Philosophy of Mechanisms*, Eds. Stuart Glennan and Phyllis Illari. 296-307.

Articles in Preparation

"Paper on Biological Systematics"

"Paper on Final Causes in the Life Sciences"

Selected Presentations

"Final Cause Explanations in Life Science" *Canadian Society for History and Philosophy of Science Meeting*, University of Alberta, Canada (May 2021)

"The Case for Final Causes in the Life Sciences" *International Society for the History, Philosophy, and Social Studies of Biology Meeting,* Oslo, Norway (July 2019)

"Dismantling the Holobiont Problem for Evolutionary Individuality" *Philosophy of Science Association Biannual Meeting: Poster Session*, Seattle, Washington (Nov 2018)

"Extended Evolutionary Individuality: an Appeal to Multi-dimensional Heredity" *Generalized Theory of Evolution Conference*, University of Düsseldorf, Germany (Feb 2018)

"Extending Biological Individuality" *Invited Lecture,* Park University, Parkville, MO (Nov 2017)

"The Problem of Biological Individuality: Lessons from the Extended Evolutionary Synthesis" *Invited | Lewis Gordon Lecture*, Southern Illinois University, Edwardsville (Oct 2017)

"Noise Inference Methods" *Perspectives on Scientific Error,* Tilburg Center for Logic, Ethics, and Philosophy of Science, Tilburg, Netherlands (June 2017)

"Ethics of Data Tagging for Big Data Science: A Case-Study on Racial Identifiers" *SciDataCon,* Denver, CO (September 2016)

"Natural Selection as a Mechanism: Process vs Product Regularity" *American Philosophical Association Central Division Meeting*, Chicago (March 2016)

"Causal-Possibility Explanations" (with Grant Ramsey) *European Philosophy of Science Association Meeting,* Düsseldorf, Germany (September 2015)

"On the Role of Unactualized Possibilities in Biological Explanation" *International Society for the History, Philosophy, and Social Studies of Biology Meeting*, Montreal, Canada (July 2015)

"Toward a Propensity Interpretation of Stochastic Mechanism for the Life Sciences" *European Philosophy of Science Association Meeting*, Helsinki, Finland (August 2013)

"Grounding Probabilistic Generalizations in the Life Sciences" *International Society for the History, Philosophy, and Social Studies of Biology Meeting*, Montpellier, France (July 2013)

"Mechanism and Chance" *University of Pittsburg/Carnegie Mellon University Graduate Student Conference* (April 2013)

"Mechanism and Chance: Toward a Working Account of Stochastic Mechanism", *DC History and Philosophy of Biology Meeting,* (June 2012)

"Mechanisms, Regularity, and Stochasticity", Invited Distinguished Alumni Speaker, *Western Michigan University Graduate Conference*, (Winter 2011)

"Relocating Objectivity in Environment Ethics", *International Society for the History, Philosophy, and Social Studies of Biology Meeting*, Salt Lake City, Utah (Summer 2011)

"Against Regular and Irregular Characterizations of Mechanisms"; *Philosophy of Science Association Biannual Meeting*, Montreal, Canada (Fall 2010)

Teaching Experience

- Missouri Western State University
    - Ethics
    - Healthcare Ethics
    - Introduction to Philosophy
    - 19th and 20th Century Philosophy
    - History and Philosophy of the Natural Sciences
    - Philosophy of Biology
    - Technology and Society
    - Advanced topics in Philosophy of Evolutionary Biology
    - Honors Colloquium on Free Will and Determinism
    - Honors Colloquium on Freedom, Identity, and the Self
    - Advanced topics in Ethical Theory: Metaethics
    - Advanced topics in Practical Ethics: Immigration

- University of Notre Dame
    - Philosophy of Biology
    - Philosophy of Science
    - Philosophy of Science Graduate Survey Course
    - Mechanisms Graduate Seminar
- University of Maryland, College Park
    - Metaphysics
    - Philosophy of the Environment
    - Philosophy of the Environment (Online Course)
- Western Michigan University
    - Introduction to Ethics
    - Critical Reasoning

Honors and Awards

Alpha Chi Faculty Compass Award for most influential impact on an undergraduate's studies (2019)

LAS Faculty Development Award, Missouri Western State University (2016, 2018)

Distinguished Graduate Student Teacher Award, University of Maryland, College Park (2014)

Brian Hull Award for the Best First Year Graduate Student (Co-recipient), University of Maryland, College Park (2011)

Moreland Perkins Graduate Fellowship, University of Maryland, College Park (2013)

Jacob K. Goldhaber Travel Grant, University of Maryland, College Park (2013)

History of Science Society Travel Grant for PSA Montreal (2010)

Full-time Graduate Assistantship and Tuition Remission, University of Maryland, College Park (2009 – 2014)

Full-time Graduate Assistantship and Tuition Remission, Western Michigan University (2006-2008).

2nd Place in Western Michigan University's Annual Philosophy Essay Contest: "Defending Motivational Humeanism" (2008)

D. H. Harder Humanities Scholarship, University of Puget Sound (2000).

Dean's Scholarship for Academic Merit, University of Puget Sound (2000).

Service

MWSU General Studies Committee Chair (Fall 2020- August 2021)

Reviewer for the conference: "Bayes By the Sea: Rationality and Strategic Interaction in the Sciences" (Jan 2020)

MWSU Ad Hoc Committee for General Studies Assessment Secretary (Fall 2019- Fall 2020)

MWSU Western Excellence Award Committee Member (Fall 2019- Present)

MWSU Academy for General Studies Assessment Participant (Fall 2018)

MWSU General Studies Committee Secretary (2018-2019)

MWSU Peer Review/Syllabi Committee Member (2016- Present)

MWSU Online Teaching Committee Member (2016- Present) Notre Dame HPS Dissertation Workshop Organizer (2016)

Notre Dame HPS Qualifying Paper Oral Examiner (2015)

Philosophy Graduate Representative on the Advisory Panel for Arts and Humanities Undergraduates Interested in Pursuing Graduate School (2012, 2013)

Graduate Student Representative on the Program Review Committee for the Department of Philosophy at the University of Maryland, College Park (2013)

Representative to the Dean's Graduate Advisory Board (2011 - 2013)

Committee Member, Referee, and Principal Organizer of the *First Annual Western Michigan Graduate Student Philosophy Conference* (2007).

Journal Refereeing

Biology and Philosophy

British Journal for the Philosophy of Science

Journal Studies in History and Philosophy of Biological and Biomedical Sciences

Journal for General Philosophy of Science

Philosophy Compass

Philosophical Psychology

Philosophy of Science

Philosophy, Theory, and Practice in Biology

Studies in History and Philosophy of Science

Synthese

Frontiers

References

Lindley Darden
Professor of Philosophy
University of Maryland, College Park
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Grant Ramsey
Research Professor of Philosophy
KU Leuven
grant@theramseylab.org

James Okapal
Professor of Philosophy and Chair of the Department of History, Geography, Philosophy, and Religion
Missouri Western State University
jokapal@missouriwestern.edu