

Bert Baumgaertner

CONTACT INFORMATION	Department of Philosophy University of Idaho 875 Perimeter Drive MS 3173 Moscow, ID 83844-3173	<i>Email:</i> bbaum@uidaho.edu <i>Voice:</i> (208) 885-5997
CITIZENSHIP	Dual citizen of Canada and Germany	
EMPLOYMENT	University of Idaho , Moscow, Idaho Assistant Professor of Philosophy (tenure-track)	2013 – present
EDUCATION	University of California, Davis , California, USA Ph.D, Philosophy (2013) Dissertation “Vagueness Judgments: An Information-Theoretic Approach” Wilfrid Laurier University , Waterloo, Ontario, Canada B.A, Philosophy (2007)	
RESEARCH INTERESTS	Areas of Specialization Philosophy of Science, Environmental Philosophy, Epistemology, Mind and Language Areas of Competence Advanced Logic, Bioethics, Philosophy of Biology	
PUBLICATIONS (REFEREED)	<ol style="list-style-type: none">Baumgaertner (2014) “Yes, No, Maybe So: A Veritistic Approach to Echo Chambers Using a Trichotomous Belief Model” <i>Synthese</i>, Vol. 191, No. 11, 2549-2569Baumgaertner, B. and Weiss, A. (2014) “Do Emotions Matter in the Ethics of Human - Robot Interaction? – Artificial Empathy and Companion Robots” In Proceedings of the 3rd International Symposium on New Frontiers in Human-Robot InteractionBaumgaertner (2013) “Smooth yet Discrete: Modeling both Non-Transitivity and the Smoothness of Graded Categories with Discrete Classification Rules” <i>Minds and Machines</i>, Vol. 24, No. 3, 353-370Baumgaertner, B., Fernández, R., Stone, M. (2012) “Towards a Flexible Semantics: Colour Terms in Collaborative Reference Tasks” <i>Proceedings of the First Joint Conference on Lexical and Computational Semantics (*SEM)</i>, Montreal, CanadaBaumgaertner, B. (2012) “Vagueness Intuitions and the Mobility of Cognitive Sortals” <i>Minds and Machines</i>, Vol. 22, No. 3, 213-234. (DOI: 10.1007/s11023-012-9273-3)	
PUBLICATIONS (INVITED)	<ol style="list-style-type: none">Baumgaertner, B. (2012/2013) “Mind” Chapter in <i>Philosophy of Information: A Simple Introduction</i> (available online)Baumgaertner, B. (2011) “Dynamic Concepts” (July) <i>Mnemosyne 1</i>	

SELECTED
PRESENTATIONS

**Peer-reviewed *Invited

1. ** “Belief Amplification and Imitation in an Extended Voter Model”, Agent-Based Modeling in Philosophy, LMU, Munich, Germany, December 11-13, 2014.
2. * “Modeling Opinion Dynamics about Climate Change”, Malcolm M. Renfrew Interdisciplinary Colloquium, University of Idaho, November 4, 2014.
3. ** “The Importance of the Environment in Complex Modeling Practices: a Response to Craver and Bechtel” (with Sarah Roe), Western Canadian Philosophical Association 2014 Annual Meeting, Vancouver, British Columbia, October 3-5, 2014.
4. ** “A Limiting Case for the New Mechanists: Intra-level Causation is Insufficient for Modeling Complex Biological Systems” (with Sarah Roe), Philosophy of Biology at Madison, Madison, Wisconsin, May 30-June 1, 2014.
5. ** “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, Conference on Reduction and Emergence in the Sciences, Munich, Germany, November 14-16, 2013.
6. * (Poster Presentation) “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, Annual IBEST Science Expo, University of Idaho, Moscow, Idaho, October 18, 2013.
7. ** “Reflective Inequilibrium”, 65th annual Northwest Philosophy Conference, Pacific University, Forest Grove, Oregon, October 4-5, 2013.
8. * “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, IBEST Science Update, University of Idaho, Moscow, Idaho, September 12, 2013.
9. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, University of Alaska, Anchorage, Alaska, 2013.
10. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, University of Idaho, Moscow, Idaho, 2013.
11. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, Flagler College, St. Augustine, Florida, 2013.
12. ** “An Agent-Based Model of Millian Mingling”, Copenhagen-Lund Workshop in Social Epistemology, Lund, Sweden, 2012.
13. “Millian Mingling: How Valuable is Epistemic Diversity?” Graduate Student Workshops, University of California Davis, 2012.
14. * “Reflective Inequilibrium”, Wilfrid Laurier University, 2012.
15. * “Cognitive Science and Vagueness”, First CSLI Workshop on Logic, Rationality, and Interaction, Stanford University, 2012.
16. * “A Defense of Modeling Vagueness with Discrete Degrees”, Fourth Workshop on Philosophy of Information, University of Hertfordshire, 2012
17. ** “Predicates and their Interpretations in Natural Reasoning”, Conference on Computing Natural Reasoning, Tilburg, the Netherlands, 2011.
18. ** “Modeling Echo Chambers”, Copenhagen-Lund Workshops in Social Epistemology, Lund, Sweden, 2011.
19. * “Characterizing Vagueness: Dynamics and Ignorance”, Vagueness Circle, Institute for Logic, Language, and Computation, University of Amsterdam, 2011.
20. ** “The Problem of Vagueness from a Philosophy of Information Perspective”, Philosophy of Engineering and Artifact in the Digital Era (PHEADE), Bukovina, Romania, 2011.

21. ** “Reflective Inequilibrium”, International Association for Computing and Philosophy (IACAP), Aarhus, Denmark, 2011.
22. ** “Adaptive Concepts: Using Frames to Solve a Problem of Vagueness”, Canadian Philosophical Association, Montreal, Canada, 2010.
23. Commentary on David Barnett’s “Vague Entailment”, American Philosophical Association, Pacific Division, San Francisco, USA, 2010.
24. ** “Using Frames to Solve the Problem of Vagueness”, Second Conference on Concept Types and Frames, Heinrich Heine Universität, Düsseldorf, Düsseldorf, Germany, August 24, 2009.
25. ** “Vagueness in Computational Linguistics: Contextualist Models are Insufficient”, European Conference on Computing and Philosophy (ECAP), University for Science and Technology, Montpellier, France, June 16-18, 2008.
26. “Introduction to Philosophy of Language”, Guest Speaker (invited by D. Koegler), Waterloo Collegiate Institute, May 20, 2008.
27. ** “Vagueness”, Western Research Forum, the University of Western Ontario, March 29, 2008.
28. “Rules in Linguistic Research: From Skepticism to Modest Realism”, PGSA Colloquium Series, Department of Philosophy, the University of Western Ontario, February 6, 2008.

AWARDS

NSF BEACON Science and Technology Center on “Evolution in Action”

- Project title: “Simulating Signals and Security”. The project is to evolve signaling systems *in silico* in order to understand the conditions under which compositional signals can arise. We implement and test the theory by developing a signaling system for Active Authentication. Research budget (total): \$97, 707 2015-2018.

National Institute of Health P20 GM104420-01A1

- Project title: “Agent-based models of viral co-infection”. One of three projects in the new Center for Modeling Complex Interactions. Involves UI CLASS commitment for new tenure-track line in Department of Philosophy. Research budget (total): \$126, 552/yr, 2015-2018.

Kurt Olsson Early Career Research Fellowship

- Awarded by College of Letters, Arts, and Social Sciences at University of Idaho (\$11,241), 2014-2015

Outstanding Graduate Student Teaching Award

- Graduate studies award for excellence in teaching at UC Davis (\$250), 2013

The Michael V. Wedin Teaching Award

- Teaching award for excellence in graduate student teaching at UC Davis, 2012

Social Sciences Dean’s Doctoral Fellowship for Excellence

- Research award for doctoral students at University of California, Davis, whose record of achievement demonstrates exceptional promise in research and scholarship (\$1,000), 2012

OGS Award

- Ontario Graduate Scholarship (\$15,000), 2008-2009 (Declined)

SSHRC CGS Master’s Scholarship

- Canadian Graduate Scholarship (\$17,500 for 1 year), 2007-2008

Wilfrid Laurier University

- Arts Students Advancement Program. Funding for conference participation at undergraduate conference (PPUPA in Edmonton, Alberta), (approx. \$ 2,500), 2006

Graham Solomon Logic Prize

- Cash prize for student with highest attained grade in Logic (approx \$600), 2005

ACADEMIC
EXPERIENCE

Research Invitations

University of Amsterdam

Fall 2011

- Research fellowship at the Institute for Logic, Language, and Computation under the supervision of Prof. Dr. Frank Veltman. Studied computational approaches to philosophical questions in mind (vagueness), semantics and pragmatics, and social phenomena (e.g. judgment aggregation). Collaborated with Raquel Fernández (see Baumgaertner, B., Fernández, R., Stone, M. (2012))

Rutgers, The State University of New Jersey

Summer 2011

- Invited internship to work on “Collaborative Reference in Open Domains” (Prof. M. Stone). Developed a parsing algorithm to handle a grammar with “relaxed” lexical meanings (see Baumgaertner, B., Fernández, R., Stone, M. (2012)).

Courses Taught

Philosophy of Evolution (Senior Seminar)

- University of Idaho, Spring 2015

Philosophy of Language

- University of Idaho, Fall 2014

Environmental Philosophy

- University of Idaho, Fall 2013, 2014

Belief and Reality

- University of Idaho, Spring 2014, 2015

Introduction to Symbolic Logic

- University of Idaho, Fall 2013, 2014
- University of California, Davis, Winter 2012

Introduction to Philosophy of Science

- University of Idaho, Spring 2014
- University of California, Davis, Summer Session II 2010

Critical Reasoning

- University of California, Davis, Summer Session II 2009

Teaching Assistant

University of California, Davis

2008–2011

- Minds, Brains, and Computers (Winter Quarters), 2010, 2011
- Introduction to Philosophy of Science (Fall Quarter), 2010
- Bioethics (Spring Quarter), 2010
- Appraising Scientific Reasoning (Spring Quarter), 2009
- Introduction to Philosophy (Fall Quarter), 2008

The University of Western Ontario **2007-2008**
• Introduction to Logic (Full-year Course), 2007-2008

Wilfrid Laurier **2005-2006**
• Values and Society (Winter Semester), 2006
• Formal Logic (Fall and Winter Semester), 2005
• Philosophy of Religion (Fall Semester), 2005

Research Assistant

Wilfrid Laurier University
• Neil Campbell, SSHRC Grant (Phil. of Science and Mind), July 2006-April 2007

SERVICE

Editorial

- Guest Editor (with Luciano Floridi) for SI: Philosophy of Information in *Topoi* (Springer)
- Leaf Category Editor for PhilPapers (Computationalism in Cognitive Science)

Conference/Workshop Organization

- Conference co-organizer, Philosophy of Science: Inside and Out (18th Inland Northwest Philosophy Conference), University of Idaho and Washington State University, July 31 - August 1, 2014
- Conference Committee Member, DEX: Davis Extravaganza Philosophy Conference Department of Philosophy, University of California, Davis, March 2013
- L^AT_EX for Philosophers, a workshop series from basic articles to Beamer presentations Department of Philosophy, University of California, Davis, November 2012
- Executive Conference Organizer, Berkeley-Stanford-Davis Philosophy Conference April 2010-2011
- Conference Committee Member, Berkeley-Stanford-Davis Philosophy Conference April 2009-2010
- Co-organizer (with James Overton), Workshop on D. Dennett's "Real Patterns" Department of Philosophy, University of Western Ontario, April 2008
- Head Organizer, Ultimate Philosophy Championship (pilot project for future series) Department of Philosophy, University of Western Ontario, April 2008
- Co-organizer (with James Overton), Workshop on Conway's Game of Life Department of Philosophy, University of Western Ontario, March 2008
- Coordinator, Undergraduate Philosophy Conference Department of Philosophy, Wilfrid Laurier University, April 2006

Academic Committees

- CLASS Curriculum Committee, University of Idaho, Fall 2014
- Promotion and Tenure Committee (CLASS, University of Idaho), Fall 2013
- Infrastructure Committee, 2010-2011 Department of Philosophy, University of California, Davis
- Graduate Student Representative, 2008-2009 Department of Philosophy, University of California, Davis

- Graduate Program Advisory Committee, Student Representative, 2007-2008
Department of Philosophy, the University of Western Ontario
- Student Arts Council, Philosophy Representative, 2004-2007
Wilfrid Laurier University

Referee

- Copenhagen-Lund Workshop in Social Epistemology, December 2012
- Berkeley-Stanford-Davis Philosophy Conference, April 2009, 2010, 2011, 2012
- PhilMilCog (Graduate Conference on Philosophy of Mind, Language and Cognitive Science),
Department of Philosophy, University of Western Ontario, May 2008
- Logic, Mathematics, and Physics Graduate Philosophy Conference
Department of Philosophy, University of Western Ontario, May 2008

Conference Commentator / Chair

- Chair at Berkeley-Stanford-Davis Philosophy Conference, April 2012
- Chair at Pacific American Philosophical Association Conference, April 2012
- Commentary on David Barnett's "Vague Entailment", American Philosophical Association,
Pacific Division, San Francisco, USA, 2010.
- Commenter at Berkeley-Stanford-Davis Philosophy Conference, April 2010
- Commenter at PhilMilCog (Graduate Conference on Philosophy of Mind, Language and
Cognitive Science), Department of Philosophy, University of Western Ontario, May 2008

RELATED ACADEMIC ACTIVITIES

Courses/Workshops

- Agent-Based Modeling in Philosophy, a Ghent-Tilburg Workshop in Spa, Belgium, May 2012.
- Vagueness Workshop, Charmey, Switzerland, June 2008
- Summer Program in Philosophy of Science, Colorado University Boulder, July 2007
- International Exchange, Freie Universität Berlin, Spring/Summer 2005

Research Groups

- ABM (Agent-Based Modeling) Group, Fall 2010 - Spring 2013
Department of Psychology (Jeff Schank), University of California, Davis
- Philosophy of Biology Lab, Winter 2010 - present
Department of Philosophy, University of California, Davis
- Vagueness Circle, Fall 2011
Institute for Logic, Language, and Computation, University of Amsterdam
- Philosophy of Science Research Group, 2007-2008
Department of Philosophy, University of Western Ontario
- Philosophy and Psychology Research Group, 2007-2008
Departments of Philosophy and Psychology, University of Western Ontario

TECHNICAL SKILLS Programming in LISP, Java, Python, R, NetLogo
 My research includes the programming of agents and societies.
 Typesetting in L^AT_EX
 I have experience in creating sophisticated documents and presentations in L^AT_EX .

AFFILIATIONS American Philosophical Association (APA)
 Canadian Philosophical Association (CPA)
 International Association for Computing and Philosophy (IACAP)

LANGUAGES English: Fluent, Spoken and Written
 German: Fluent, Spoken and Written

REFERENCES

Bernard Molyneux
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: molyneux@ucdavis.edu

Aldo Antonelli
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: antonelli@ucdavis.edu

Adam Sennet
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: amsennet@ucdavis.edu

Elaine Landry
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: emlandry@ucdavis.edu

Jim Griesemer
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: jrgriesemer@ucdavis.edu

Paul Teller
Department of Philosophy
University of California, Davis
Davis, CA, 95616-8673 USA
Email: prteller@ucdavis.edu

Jeff Schank
Department of Psychology
University of California, Davis
Davis, CA, 95616-8673 USA
Email: jcschank@ucdavis.edu

Matthew Stone
Department of Computer Science
Rutgers, The State University of New Jersey
Piscataway, NJ, 08854-8019 USA
Email: matthew.stone@rutgers.edu

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