

Bert Baumgaertner

CONTACT INFORMATION	Department of Politics and Philosophy, and Center for Modeling Complex Interactions, and Bioinformatics and Computational Biology University of Idaho 875 Perimeter Drive MS 3173 Moscow, ID 83844-3173	<i>Email:</i> bbaum@uidaho.edu <i>Voice:</i> (530) 219-8515
CITIZENSHIP	Dual citizen of Canada and Germany; Permanent Resident of U.S.	
EMPLOYMENT	University of Idaho , Moscow, Idaho Associate Professor of Philosophy (tenured 2019)	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, Social Philosophy, Mind and Language, Environmental Philosophy Areas of Competence Advanced Logic, Bioethics, Game Theory, Decision Theory	
PUBLICATIONS (REFEREED)	Note: All two-authored papers are equal contributions. For papers with three or more, bold indicates lead/senior author. Undergraduate authors are indicated with *. <ol style="list-style-type: none">1. Devezzer, B., Nardin, LG., Baumgaertner, B., Buzbas, E. (2019) “Scientific discovery in a model-centric framework: Reproducibility, innovation, and epistemic diversity” <i>PLoS ONE</i>, Vol. 14, No. 5, e0216125, (Online May 15, 2019) https://doi.org/10.1371/journal.pone.02161252. Majmudar, J., Krone, S., Baumgaertner, B., Tyson, R. (2019) “Voter Models and External Influence” <i>The Journal of Mathematical Sociology</i> (Online June 14, 2019) https://doi.org/10.1080/0022250X.2019.16253493. Baumgaertner, B., Fetros, P.*, Tyson, R., Krone, S. (2018) “Spatial Opinion Dynamics and the Effects of Two Types of Mixing” <i>Physical Review E</i>, Vol. 98, No. 2, 022310-23, (Online August 13, 2018) DOI 10.1103/PhysRevE.98.022310.4. Baumgaertner, B., Carlisle, J., Justwan, F. (2018) “The Influence of Political Ideology and Trust on Willingness to Vaccinate” <i>PLoS ONE</i>, Vol. 13, No. 1, e0191728, https://doi.org/10.1371/journal.pone.01917285. Justwan, F., Baumgaertner, B., Carlisle, J., Clark, A., Clark, M. (2018) “Social Media Echo Chambers and Satisfaction with Democracy among Democrats and Republicans in the Aftermath of the 2016 U.S. Elections” <i>Journal of Elections, Public Opinion & Parties</i>, (Online Feb 8, 2018) DOI 10.1080/17457289.2018.1434784.	

6. **Baumgaertner, B.** (2018) “Models of Opinion Dynamics and Mill-style Arguments for Opinion Diversity” *Historical Social Research (Special Issue: Agent-Based Modeling in Social Science, History, and Philosophy)*, 43 (1): 210-33. DOI: 10.12759, <https://dx.doi.org/10.12759/hsr.43.2018.1.210-233>
7. **Baumgaertner, B.** and Holthuijzen, W.* (2017) “Non-epistemic Values and Concerns about Evolutionary Mindsets in Conservation Policy: A Response to Kareiva and Fuller’s ‘Beyond Resilience’ ” *Global Policy*, (Online July 17, 2017) DOI 10.1111/1758-5899.12469.
8. **Baumgaertner, B.** and Holthuijzen, W.* (2016) “On Non-Epistemic Values in Conservation Biology” *Conservation Biology*, Vol. 31, No. 1, 48-55.
9. Roe, S. and **Baumgaertner, B.** (2016) “Extended Mechanistic Explanations: Expanding the current mechanistic conception to include more complex biological systems” *Journal for General Philosophy of Science*, Vol. 48, No. 4, 517-534. DOI 10.1007/s10838-016-9356-6.
10. Luis G. Nardin, Craig R. Miller, Benjamin J. Ridenhour, Stephen M. Krone, Paul Joyce, **Bert O. Baumgaertner** (2016) “Planning horizon affects prophylactic decision-making and epidemic dynamics” *PeerJ*, 4:e2678, <https://doi.org/10.7717/peerj.2678>
11. **Baumgaertner, B.**, Tyson, R., Krone, S. (2016) “Opinion strength influences the spatial dynamics of opinion formation” *The Journal of Mathematical Sociology*, Vol. 40, No. 4, 207-218. DOI 10.1080/0022250X.2016.1205049.
12. Banzhaf, W., Baumgaertner, B., Beslon, G., Doursat, R., Foster, J.A., McMullin, B., Veloso de Melo, V., Miconi, T., Spector, L., Stepney, S., White, R., (2016) “Defining and Simulating Open-Ended Novelty: Requirements, Guidelines, and Challenges” *Theory in Biosciences*, Vol. 131, No. 3, 131-161. DOI 10.1007/s12064-016-0229-7.
13. **Baumgaertner, B.** (2014) “Yes, No, Maybe So: A Veritistic Approach to Echo Chambers Using a Trichotomous Belief Model” *Synthese*, Vol. 191, No. 11, 2549-2569.
14. **Baumgaertner, 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 Interaction*.
15. **Baumgaertner, B.** (2013) “Smooth yet Discrete: Modeling both Non-Transitivity and the Smoothness of Graded Categories with Discrete Classification Rules” *Minds and Machines*, Vol. 24, No. 3, 353-370.
16. **Baumgaertner, B.**, Fernández, R., Stone, M. (2012) “Towards a Flexible Semantics: Colour Terms in Collaborative Reference Tasks” In *Proceedings of the First Joint Conference on Lexical and Computational Semantics (*SEM)*, Montreal, Canada.
17. **Baumgaertner, B.** (2012) “Vagueness Intuitions and the Mobility of Cognitive Sortals” *Minds and Machines*, Vol. 22, No. 3, 213-234.

CHAPTERS /
BOOKS

1. **Baumgaertner, B.** (Lead Guest Editor) and Luciano, F. (2016) “Introduction: The Philosophy of Information” in Special Issue of *Topoi: An International Review of Philosophy* (Online) No. 35, 157-159.

INVITED &
PEDAGOGICAL
MATERIALS

1. Baumgaertner, Bert. 2019. “Groupstrapping, Bootstrapping, and Oops-strapping: A Reply to Boyd.” *Social Epistemology Review and Reply Collective* 8 (6): 4-7.<https://wp.me/p1Bfg0-4bE>
2. **Baumgaertner, B.** (2013) “Mind” Chapter in *Philosophy of Information: A Simple Introduction* (available online: <https://socphilinfo.github.io/PI-Intro/>)
3. Baumgaertner, B. and O’Rourke, M. “Critical Thinking Worksite” (available online: https://www.webpages.uidaho.edu/bbaum/crit_think/index.htm)
4. **Baumgaertner, B.**, *IntroLogic*, a YouTube channel with supplementary video lectures, total 46k views as of Aug 8, 2018: <https://www.youtube.com/user/IntroLogic/>

- UNDER REVIEW
1. **Baumgaertner, B.**, Benjamin J. Ridenhour, Craig R. Miller, Florian Justwan, Juliet E. Carlisle (submitted) “Vaccine Propensity in the U.S.: How changing risk of disease affects willingness to vaccinate”
 2. Carlisle, J., Justwan, F., Clark, A., Clark, M., Baumgaertner, B. (2018) “The Effect of Social Media Echo Chambers on Political Engagement”
 3. Baumgaertner, B., Devezer, B., Nardin, LG., Buzbas, E. (in revision) “A Model-Centric Analysis of Openness, Replication, and Reproducibility” <https://arxiv.org/abs/1811.04525>
 4. **Baumgaertner, B.** and Molyneux, B. (in revision) “Complexity and Philosophical Cognition”

FUNDING

Disagreement: From Theory to Practice and Back
Role: Principal Investigator
Source: University of Idaho Seed Grant
Budget: \$11,427
Description: This proposal uses semi-structured workshops to assess how well theories of disagreement (as established in the philosophical literature) apply to concrete issues.

Theory, practice, and social aspects of reproducible science
Role: Co-Principal Investigator
Source: University of Idaho Office of Research and Economic Development
Budget: \$ 40,000 (2016-2017)
Description: Many factors affect the nonreproducibility of experimental findings, but relative contribution of these factors and complex interactions among them remain unquantified and largely unknown. Efforts to address the reproducibility crisis have a better chance of success for improving scientific practice if first a theory of nonreproducibility is advanced.

Simulating signals and security
Role: Principal Investigator
Source: NSF award DBI0939454 for BEACON Center for the study of Evolution in Action
Budget: \$97,707 (2015-2016)
Description: 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.

Agent-based models of viral co-infection
Role: Project Director
Source: National Institutes of Health award P20 GM104420
Budget: \$126,552/yr (2015-2018).
Description: Model social and behavioral aspects of epidemiology, with a focus on co-infections. This is one of three projects in the new Center for Modeling Complex Interactions at University of Idaho. Involves UI CLASS commitment for new tenure-track line in Department of Philosophy.

Opinion dynamics and the race against climate change
Role: Principal Investigator
Source: Kurt Olsson Early Career Research Fellowship, College of Letters, Arts, and Social Sciences at University of Idaho
Budget: \$11,241 (2014-2015)
Description: Model the spread of opinions with a focus on local interactions. The aim is to better understand the processes that govern how opinions shift in a population, particularly when individuals have a small confirmation bias that amplifies their beliefs.

AWARDS

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

SELECTED

**Peer-reviewed *Invited

PRESENTATIONS

1. ** “Model and Theory Development from an Epidemiological Perspective”, Philosophy of Science Association Biannual Meeting, Seattle, WA, November 1-4, 2018.
2. ** “The Backfire Effect in Opinion Dynamics” Computational Modeling in Philosophy, LMU, Munich, Germany, June 22-23, 2018.
3. “How Values, Trust, and Socio-Political Context Shape Vaccination Attitudes” American Association for the Advancement of Science Pacific Division, Pomona, CA, June 12-15, 2018.
4. * “Disagreement”, Keynote Address at The Confluence Project (Youth Water Summit), North Idaho College, Couer d’Alene, Idaho, May 22, 2018.
5. * “Perspectives on Disagreement”, Keynote Address at OUR Gem Symposium, Couer d’Alene, Idaho, November 14, 2017.
6. * “The Philosophy and Science of Modeling Infectious Disease”, The Annual Norbert Wiener Address on Science and Ethics, South Connecticut State University, March 30, 2017.
7. ** “Spatial Opinion Dynamics and the Effects of Two Types of Mixing”, International Congress on Agent Computing, George Mason University, Fairfax, Virginia, November 29-30, 2016.
8. (Poster Presentation) “Some Philosophical Challenges Concerning the Inclusion of Social Norms in Epidemiological Models”, Philosophy of Science Association Biennial Meeting, Atlanta, Georgia, November 3-5, 2016.
9. * “How too much structure inhibits the marketplace of ideas”, Breaking Barriers: Idaho Local Government Economic Development Summit, Boise, Idaho, October 11, 2016.
10. * “Disjunctive Signaling Games”, University of Edinburgh, Scotland, July 8, 2016.
11. * “Mathematical and Computational Methods in Philosophy”, Computational Ecology Research Group, University of British Columbia, Okanagan, May 26, 2016.
12. ** “Spatial dynamics of mathematical models of opinion formation”, Computationally Assisted Discovery and Experimental Mathematics, Western University, London, Canada, May 12-15, 2016.
13. * “Opinion strength influences the spatial dynamics of opinion formation”, Spring Colloquium Series, Department of Philosophy, Simon Fraser University, January 29, 2016.
14. ** “Imperfect Observations Produce Asymmetric Signaling Roles”, Northwest Philosophy Conference, North Idaho College, Coeur d’Alene, Idaho, October 9-10, 2015.
15. ** “Belief Amplification and Imitation in an Extended Voter Model”, Agent-Based Modeling in Philosophy, LMU, Munich, Germany, December 11-13, 2014.
16. * “Modeling Opinion Dynamics about Climate Change”, Malcolm M. Renfrew Interdisciplinary Colloquium, University of Idaho, November 4, 2014.

17. ** “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.
18. ** “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.
19. ** “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, Conference on Reduction and Emergence in the Sciences, Munich, Germany, November 14-16, 2013.
20. * (Poster Presentation) “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, Annual IBEST Science Expo, University of Idaho, Moscow, Idaho, October 18, 2013.
21. ** “Reflective Inequilibrium”, 65th annual Northwest Philosophy Conference, Pacific University, Forest Grove, Oregon, October 4-5, 2013.
22. * “Agent-Based Models as Mixed-level: Lessons from *E.coli*”, IBEST Science Update, University of Idaho, Moscow, Idaho, September 12, 2013.
23. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, University of Alaska, Anchorage, Alaska, 2013.
24. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, University of Idaho, Moscow, Idaho, 2013.
25. * “Millian Mingling: Simulating Millian Ideas on Diversity and Measuring its Epistemic Benefits”, Invited Presentation, Flagler College, St. Augustine, Florida, 2013.
26. ** “An Agent-Based Model of Millian Mingling”, Copenhagen-Lund Workshop in Social Epistemology, Lund, Sweden, 2012.
27. “Millian Mingling: How Valuable is Epistemic Diversity?” Graduate Student Workshops, University of California Davis, 2012.
28. * “Reflective Inequilibrium”, Wilfrid Laurier University, 2012.
29. * “Cognitive Science and Vagueness”, First CSLI Workshop on Logic, Rationality, and Interaction, Stanford University, 2012.
30. * “A Defense of Modeling Vagueness with Discrete Degrees”, Fourth Workshop on Philosophy of Information, University of Hertfordshire, 2012
31. ** “Predicates and their Interpretations in Natural Reasoning”, Conference on Computing Natural Reasoning, Tilburg, the Netherlands, 2011.
32. ** “Modeling Echo Chambers”, Copenhagen-Lund Workshops in Social Epistemology, Lund, Sweden, 2011.
33. * “Characterizing Vagueness: Dynamics and Ignorance”, Vagueness Circle, Institute for Logic, Language, and Computation, University of Amsterdam, 2011.
34. ** “The Problem of Vagueness from a Philosophy of Information Perspective”, Philosophy of Engineering and Artifact in the Digital Era (PHEADE), Bukovina, Romania, 2011.
35. ** “Reflective Inequilibrium”, International Association for Computing and Philosophy (IACAP), Aarhus, Denmark, 2011.
36. ** “Adaptive Concepts: Using Frames to Solve a Problem of Vagueness”, Canadian Philosophical Association, Montreal, Canada, 2010.
37. Commentary on David Barnett’s “Vague Entailment”, American Philosophical Association, Pacific Division, San Francisco, USA, 2010.

38. ** “Using Frames to Solve the Problem of Vagueness”, Second Conference on Concept Types and Frames, Heinrich Heine Universität, Düsseldorf, Düsseldorf, Germany, August 24, 2009.
39. ** “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.
40. “Introduction to Philosophy of Language”, Guest Speaker (invited by D. Koegler), Waterloo Collegiate Institute, May 20, 2008.
41. ** “Vagueness”, Western Research Forum, the University of Western Ontario, March 29, 2008.
42. “Rules in Linguistic Research: From Skepticism to Modest Realism”, PGSA Colloquium Series, Department of Philosophy, the University of Western Ontario, February 6, 2008.

ACADEMIC
EXPERIENCE

Research Supervision

* indicates member of underrepresented group

Postdoctoral

Aniruddha Belsare*, ongoing (CMCI, U. Idaho)
Luis Gustavo Nardin, completed 2017 (CMCI, U. Idaho)

Graduate

Victoria DePalma, ongoing (Environmental Sciences, U. Idaho)
Kelly Christensen*, ongoing (Math, U. Idaho)
Joseph DeAgüero*, changed advisors (Bioinformatics & Computational Biology, U. Idaho)
Jeannie Matheison, ongoing, (Environmental Sciences, U. Idaho)
Kristen Petersen*, graduated on time, 2016 (Statistics)
Jimit Majmudar*, graduated on time, 2016 (Math at UBC Okanagan)

Undergraduate

Dorothy Catey*, graduated on time, 2018 (Math, U. Idaho)
Peter Fetros, graduated on time, 2018 (Engineering, U. Idaho)
Camden Clark, ongoing (Computer Science, U. Idaho)
Cody Briston, graduated on time, 2016 (Philosophy, U. Idaho)
Cassie Greenwald*, graduated on time, 2016 (Philosophy, U. Idaho)
Crystal Hernandez*, graduated on time, 2016 (Philosophy, U. Idaho)
Kaitlyn Hanks, graduated on time, 2016 (Environmental Sciences, U. Idaho)
Jennifer Stephenson, graduated on time, 2016 (Environmental Sciences, U. Idaho)
Zach Hull, graduated on time, 2015 (Environmental Sciences, U. Idaho)
Brendan McConnor, graduated on time, 2015 (Environmental Sciences, U. Idaho)

Committee Reading Member

* indicates member of underrepresented group

Doctorate

Malcom Rupert, 2017 (Math, U. Idaho)
Siavash Riazi*, 2016 (Bioinformatics & Computational Biology, U. Idaho)
Jesse Oldroyd, 2016 (Math, U. Idaho)
Marcie Galbreath, 2015 (Education, U. Idaho)

Masters

Danielle Gentry, 2016 (Environmental Sciences, U. Idaho)
Brett Miller, 2015 (Environmental Sciences, U. Idaho)

Courses Taught

† indicates upper division/graduate level course

† *Thought Experiments, Simulations, and Models*

- University of Idaho, Fall 2018

Introduction to Symbolic Logic

- University of Idaho, Fall 2013, 2014, 2015, 2016, 2017, 2018
- University of California, Davis, Winter 2012

† *Philosophy of Mind*

- University of Idaho, Fall 2018

† *Philosophical Methods (Senior Seminar)*

- University of Idaho, Spring 2018

Philosophy of Alcohol

- University of Idaho, Spring 2017

† *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, 2015

Belief and Reality

- University of Idaho, Spring 2014, 2015

† *Introduction to Philosophy of Science*

- University of Idaho, Spring 2014, Fall 2016
- University of California, Davis, Summer Session II 2010

Biomedical Ethics

- University of British Columbia (Okanagan), Summer 2014

Critical Reasoning

- University of California, Davis, Summer Session II 2009

Directed Studies

All directed studies are upper division

Non-Classical Logic (including Modal Logic)

- University of Idaho, Fall 2016, 2017, Spring 2017, 2018

Metalogic

- University of Idaho, Spring 2014

Opinion Dynamics

- University of Idaho, Spring 2015

Philosophy of Perception

- University of Idaho, Fall 2015

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

Conference/Workshop Organization

- Conference co-organizer, Reasoning Well in the Anthropocene: Philosophical Insights on Climate Change (Inland Northwest Philosophy Conference), University of Idaho and Washington State University, April 14-16, 2016
- 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

- Voting Member, University Curriculum Committee, University of Idaho, Fall 2018-present
- Chair, Program Review Committee, North Idaho College, Spring 2017
- Member, Dept. Chair Search Committee, Department of Politics and Philosophy, U. Idaho, Spring 2016
- Member, Hiring Committee (Science & Ethics), Philosophy, U. Idaho, 2016-17
- Member, Hiring Committee (Social/Political), Philosophy, U. Idaho, 2016-17
- Member, Hiring Committee (Political Science), Department of Politics and Philosophy, U. Idaho;
- Member, Tenure Committee for Alex Woo, Department of Mathematics, U. Idaho, Spring 2016
- Head, Instructor Hiring Committee, Department of Philosophy, U. Idaho, Fall 2015
- Member, Curriculum Committee, CLASS, U. Idaho, 2014-2015
- Member, Promotion and Tenure Committee, CLASS, U. Idaho, 2013-2014
- 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

Conference Commentator / Chair

- Chair at Philosophy of Science Association Conference, November 2018
- 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

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)).

Training and Workshops

- Learning and Gaining from your Model: A Course in Analysis, Application, and Publication of Individual/Agent-Based Models, Technische Universität Dresden, June-July 2016
- NIMBioS Tutorial - Game Theoretical Modeling of Evolution in Structured Populations, University of Tennessee, Knoxville, April 2016
- Write Winning Grant Proposals (by the Grant Writer's Seminars and Workshops in association with the Idaho INBRE Program), Coeur D'Alene, October 2015
- Business for Scientists - Leading and Sustaining your Research Program, Institute for Bioinformatics and Evolutionary Studies, University of Idaho, June 2015
- Restorative Practices and Circles Training (two certificates), University of Idaho, April 2015
- Safe Zone Training, Diversity and Human Rights, University of Idaho, Spring 2014
- 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

- Center for Modeling Complex Interactions, Spring 2015-present
University of Idaho
- ABM (Agent-Based Modeling) Group, Fall 2010 - Spring 2013
Department of Psychology (Jeff Schank), University of California, Davis
- Philosophy of Biology Lab, Winter 2010 - Spring 2013
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 Python, R, NetLogo (and if pressed, some LISP and Java)
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)
Erdős #: 4 (Paul Erdős to Robert J. McEliece to Dilip V. Sarwate to Stephen M. Krone)

LANGUAGES English: Fluent, Spoken and Written
German: Fluent, Spoken and Written (though less practice in the latter)

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

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

Michael O'Rourke
Department of Philosophy
Michigan State University
East Lansing MI 48824-1032
Email: orourk51@msu.edu

James Foster
Department of Biology
University of Idaho
Moscow, ID, 83843 USA
Email: foster@uidaho.edu

Janice Anderson (Teaching)
Department of Philosophy
University of Idaho
Moscow, ID, 83843 USA
Email: jcanders@uidaho.edu

Last updated: July 19, 2019