

Dr. Kathryn S. Plaisance

Professor & Associate Chair, Knowledge Integration
Cross-appointed to the Departments of Philosophy & Psychology
University of Waterloo
kathryn.plaisance@uwaterloo.ca

Professional Employment

- 2025-present Professor, School of Environment, Resources and Sustainability (SERS); Associate Director, Knowledge Integration, University of Waterloo
(*Cross-appointed to the Departments of Philosophy & Psychology*)
- 2024-present Professor, Department of Knowledge Integration, University of Waterloo
(*Cross-appointed to the Departments of Philosophy & Psychology*)
- 2023-2025 Department Chair, Department of Knowledge Integration, University of Waterloo
- 2016-present Associate Professor, Department of Knowledge Integration, University of Waterloo
(*Cross-appointed to the Department of Philosophy*)
- 2013-2019 Associate Chair, Undergraduate Studies, Department of Knowledge Integration
- 2009-2016 Assistant Professor, Department of Knowledge Integration, University of Waterloo
(*Cross-appointed to the Department of Philosophy*)
- 2007-2009 Postdoctoral Research Fellow, Center for Philosophy and Ethics of Science,
Leibniz Universität Hannover, Germany

Education

- 2006 Ph.D., Philosophy (minor in Bioethics), University of Minnesota
Dissertation: "Behavioral Genetics and the Environment: The Generation and Exportation of Scientific Claims"
- 2004 M.A., Philosophy, University of Minnesota
- 2000 B.S., Molecular Biology and Philosophy, University of Wisconsin-Madison

Areas of interest

Engaged philosophy of science, philosophy of the human behavioral sciences, social epistemology, interactional expertise, interdisciplinary collaboration, the science of team science (including psychological safety in teams), and the scholarship of teaching & learning.

Awards & Research Funding

Awards

2022	Ontario Undergraduate Student Alliance (OUSA) Teaching Excellence Award
2021	Ontario Confederation of University Faculty Associations (OCUFA) Teaching Award
2020	Outstanding Performance Award, University of Waterloo
2016	Distinguished Teacher Award, University of Waterloo
2006	Graduate Research Partnership Program Fellowship, University of Minnesota
2005	Doctoral Dissertation Fellowship, University of Minnesota
2005	Swenson-Kierkegaard Fellowship, University of Minnesota

Selected Research Grants – Active

Co-PI, SSHRC Partnership Grant, “Experiential Learning Toolkits to Increase Social Sciences, Humanities, and Arts (SSHA) Capacity for Research and Innovation in the Social Sector,” \$2,500,000, 2024-30. (PI: Sandra Lapointe)

PI, SSHRC Insight Grant, “Engaging Science with Philosophy: Best Practices for Fostering Effective Collaboration,” \$188,179, 2020-26.

Selected Research Grants – Completed

Co-PI, SSHRC Insight Development Grant, “Inventory of Models and Practices in Community Focused and Interdisciplinary Social Sciences and Humanities Research,” \$60,764, 2021-24. (PI: Sandra LaPointe)

PI, UW/SSHRC Explore Grant, “Developing a Collaborative Mindset: The Importance of Psychological Safety, Epistemic Humility, and Valuing Diverse Perspectives,” \$6978, 2019-22.

Co-PI, Genetics & Human Agency Grant (funded by the Templeton Foundation), “Understanding ‘What Could Be’: Heritability in Randomized Twin Design,” \$550,000 CAD, 2017-19. (PI: S. Alexandra Burt)

PI, SSHRC Insight Development Grant, “Increasing the Impact of Philosophy of Science in Scientific Domains,” \$59,302 CAD, June 2016 – Dec 2018. (Co-PI: John McLevey)

PI, UW International Research Partnership Grant, “Communities of Integration,” \$18,000 + \$52,000 in matching funds, 2014-16.

PI, UW/SSHRC Seed Grant, “Improving Knowledge Production through Engaged Philosophy of Science,” \$5,494, 2014-15.

PI, UW/SSHRC Seed grant, “Philosophers of Science as Interactional Experts,” \$5450, 2013-14.

Publications (* indicates student or postdoc co-author)

Refereed Journal Articles

Plaisance, Kathryn S., and Sara Doody* (2026), “How philosophy of science can enhance research in science and engineering: The benefits, challenges, and ideal conditions for philosophy-STEM collaborations,” *Synthese*, in press.

Plaisance, Kathryn S., Sara Doody*, Chad Gonnerman, and Aaron M. McCright (2026), “Moving Beyond Anecdotes: Scientists’ and Engineers’ Views about and Engagement with Philosophy and Philosophers of Science,” *Studies in the History and Philosophy of Science*, in press.

Doody, Sara*, and **Kathryn S. Plaisance** (2025), “What is ‘Good’ Science? How Disciplinary Norms and Expectations Hinder Broad Interdisciplinary Collaboration,” *Perspectives on Science*, 33(6): 685-721.

Plaisance, Kathryn S., Christine Logel, and Christopher Lok* (2024). “Making Collaboration Work: Fostering Positive Attitudes and Experiences around Psychological Safety, Diversity, and the Value of Teamwork,” *Canadian Journal for the Scholarship of Teaching and Learning*, 15(3). <https://doi.org/10.5206/cjsotlrcacea.2024.3.14531>

Plaisance, Kathryn S., and Kevin Elliott (2021). “A Framework for Analyzing Broadly Engaged Philosophy of Science,” *Philosophy of Science*, 88(4): 594-615.

Plaisance, Kathryn S. Jay Michaud*, and McLevey, John (2021). “Pathways of Influence: Understanding the Impacts of Philosophy of Science in Scientific Domains,” *Synthese*, 199: 4865-4896.

Plaisance, Kathryn S. (2020). “The Benefits of Acquiring Interactional Expertise: Why (Some) Philosophers of Science Should Engage Scientific Communities,” *Studies in History and Philosophy of Science Part A*, 83: 53-62.

Burgoyne, AP*; Carroll, S; Clark, DA; Hambrick, DZ; **Plaisance, KS**; Klump, KL; Burt, SA. (2020). “Can a Brief Intervention Alter Genetic and Environmental Influences on Psychological Traits? An Experimental Behavioral Genetics Approach,” *Learning and Motivation*, 72.

Plaisance, Kathryn S., Alexander V. Graham*, John McLevey, and Jay Michaud* (2019). “Show Me the Numbers: A Quantitative Portrait of the Attitudes, Experiences, and Values of Philosophers of Science Regarding Broadly Engaged Work,” *Synthese*, 198: 4603-33.

Burt, S. Alex, **Kathryn S. Plaisance**, and Zach D. Hambrick (2019). “Understanding ‘What Could Be’: A Call for Experimental Behavioral Genetics,” *Behavior Genetics*, 49: 235-243.

McLevey, John, Alexander V. Graham*, Reid McIlroy-Young*, Pierson Brown*, and **Kathryn S. Plaisance** (2018). “Interdisciplinarity and Insularity in the Diffusion of Knowledge: An Analysis of Disciplinary Boundaries Between Philosophy of Science and the Sciences,” *Scientometrics*, 117: 331-349.

Plaisance, Kathryn S., and Eric B. Kennedy* (2014). “A Pluralistic Approach to Interactional Expertise,” *Studies in the History and Philosophy of Science Part A*, 47: 60-68.

Plaisance, Kathryn S., Thomas A.C. Reydon, and Mehmet Elgin (2012). “Why the (Gene) Counting Argument Fails in the Massive Modularity Debate: The Need for Understanding Gene Concepts and Genotype-Phenotype Relationships,” *Philosophical Psychology*, 25(6).

Fehr, Carla, and **Kathryn S. Plaisance** (2010). “Socially Relevant Philosophy of Science,” *Synthese*, 177(3): 301-316.

Chapters in Books

Plaisance, Kathryn S. (2026), “Socially Engaged Philosophy of Science.” In *The Routledge Handbook of the History of Philosophy of Science After Kant*, by Flavia Padovani and Adam Tamas Tuboly, pp. 102-112. Routledge. <https://doi.org/10.4324/9781003381051-11>.

Plaisance, Kathryn S., and Thomas A.C. Reydon (2012). In *The Philosophy of Behavioral Biology*, by Kathryn S. Plaisance and Thomas A.C. Reydon. Boston Studies in the Philosophy of Science, 282, pp. 3-24. Springer Press.

Books and Edited Volumes (refereed)

Plaisance, Kathryn S., and Thomas A.C. Reydon, eds. (2012). “Philosophy of Behavioral Biology,” *Boston Studies in the Philosophy of Science*, vol. 282. Springer Press.

Plaisance, Kathryn S., and Carla Fehr, eds. (2010). “Making Philosophy of Science More Socially Relevant,” *Synthese* [special issue], 177(3): 301-492.

Research Reports

Lapointe, Sandra, Shannon Boss, **Kathryn S. Plaisance**, Christian Dagenais (2024). “Community Innovation and Impact in University-Based Social Sciences, Humanities and Arts: Report and Discussion Paper,” <https://collaborativessh.humanities.mcmaster.ca/wp-content/uploads/2024/04/Community-Innovation-and-Impact-in-SSHA.pdf>.

Manuscripts under review

Gonnerman, Chad, **Kathryn S. Plaisance**, Sara Doody*, & Aaron McCright, “Scientists’ and Engineers’ Research Collaborations with Non-STEM Scholars: The Case of Philosophers of Science.” Submitted, *Research Policy*. ~10,000 words

Plaisance, Kathryn S., Chad Gonnerman, Sara Doody+, & Aaron McCright, “What Prevents Scientists and Engineers from Collaborating with Philosophers of Science?” Submitted, *Minnesota Studies in the Philosophy of Science*. ~6500 words

Presentations of Scholarly Work (* indicates student co-author)

(For Scholarship of Teaching and Learning presentations, see the following section)

Invited Talks

- “What Do Scientists and Engineers Say About the Benefits of Philosophy-STEM Collaborations? Empirical Evidence for the Value of ‘Philosophy *with Science*’.” University of Calgary, March 2026.
- “What are the Benefits of Philosophy-STEM Collaborations and What Makes Them Work? Empirical Insights from Scientists and Engineers.” University of Western Ontario, Rotman Institute of Philosophy, February 2026.
- “Why Do Philosophy-STEM Collaborations Matter and What Makes Them Successful?” University of Minnesota, Science, Technology, and Society speaker series, Oct 2025.
- “Doing Philosophy *with Science*: Perspectives from Biological Scientists,” *Philosophy in Biology & Medicine Network Meeting*, Bielefeld, Germany, October 2024.
- “Tensions in Interdisciplinary Scientists’ Epistemic Identities,” Plenary Panel, *International Network for the Science of Team Science*, online, August 2024.
- “Making Collaboration Work: Lessons from a Study on Teaching Students How to Collaborate in Diverse Teams.” *INTEREACH: Interdisciplinary Integration Research Careers Hub panel*, March 2024.
- “The Science of Team Science: Building Effective and Inclusive Teams.” *University of Nevada, Reno*, December 2023.
- “What ‘Counts’ as Good Science? The Role of Disciplinary Habitus in Restricting Diverse Approaches to Science.” *Workshop on “Credit, Diversity, and Research Quality in Science,” University of Barcelona*, April 2023. (Co-presented with Sara Doody)
- “Psychological Safety for Whom? Integrating Feminist Epistemology & Philosophy of Science with Research on Collaboration & Teamwork.” McMaster University, Dept of Philosophy, March 2022.
- “The Science of Team Science: How to Foster Productive Collaboration in Interdisciplinary Team Science.” University of Toronto-Mississauga, Department of Biology, December 2021.
- “A Framework for Broadly Engaged Philosophy of Science.” *Socially Relevant Philosophy of/in Science and Engineering conference*, May 2021. (Co-presented with Kevin Elliott)
- “Making Collaboration Work: The Importance of Deliberate Practice.” *Science of Team Science conference*, online (due to COVID), June 2020.
- “The Collaborative Skills Gap.” Lyman Briggs College, Michigan State University. February 2020.
- “Doing Engaged Philosophy of Science: Connections Among SRPoiSE, SEE, and STIR”, *Communities of Integration*, University of Waterloo, June 2014.
- “Philosophers of Science as Interactional Experts”, *Challenging Philosophy: Interdisciplinary Problems and Disciplinary Philosophy*, Tübingen, Germany, September 2012.

“Rethinking Scientific Expertise in order to be More Inclusive—and Improve Science”, *Science and Technology in Society Day*, University of Waterloo, March 2012.

“Epistemic Failures: Rethinking Expertise and the Importance of Trust”, *Combining Two Cultures conference*, University of Waterloo, January 2012.

“Socially Relevant Philosophy of Science: Engaging Controversy in Behavioral Genetics & Evolutionary Psychology”, Wilfred Laurier University, Department of Philosophy, February 2011. (Co-written with Carla Fehr)

“Socially Relevant Philosophy of Science: Engaging Controversy in Behavioral Genetics & Evolutionary Psychology” (co-written and co-presented with Carla Fehr), University of Toronto, Institute for the History and Philosophy of Science and Technology, June 2010. (Co-written and co-presented with Carla Fehr)

“Lost in Translation? (Mis)interpreting Behavioral Genetic Findings Related to the Environment”, University of Amsterdam, Department of Psychology, May 2010.

Refereed Conference Presentations

Plaisance, Kathryn S., Sara Doody*, Aaron McCright, & Chad Gonnerman, “Biologists’ Views About & Experiences with Philosophy-STEM Collaborations,” *International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)*, Porto, Portugal, 2025. [Presented by KP]

Plaisance, Kathryn S. & Sara Doody*, “Advancing the Empirical Turn in Philosophy of Science: The Affordances of Mixed Methods Approaches,” Poster presented at *ISHPSSB*, Portugal, July 2025.

Plaisance, Kathryn S., Sara Doody, Chad Gonnerman, & Aaron McCright, “How Do Scientists & Engineers View Philosophy of Science & Engage with Philosophers of Science.” *Philosophy of Science Association*, New Orleans, Nov 2024. [Conference poster, presented by CG.]

Plaisance, Kathryn S., Sara Doody, Chad Gonnerman, & Aaron McCright, “What stops scientists from collaborating with philosophers of science? Why it might not be what you think.” *Philosophy of Science: Past, Present, and Future*, Minneapolis, MN, Oct 2024. [Presented by KP]

Plaisance, Kathryn S. and Sara Doody, “What Makes Collaborations Between Philosophers and Scientists Work? Perspectives from Scientists and Engineers.” *International Society for the History, Philosophy, and Social Studies of Biology*, Toronto, July 2023. [Presented by KP]

Plaisance, Kathryn S. and Sara Doody, “In Their Own Words: What Scientists and Engineers Say about Their Collaborations with Philosophers of Science.” *Philosophy of Science Association*, Pittsburgh, November 2022. [Presented by KP]

Plaisance, Kathryn S. and Sara Doody, “Better Science with Philosophy: The Challenges and Benefits of Including Philosophers of Science on Science Teams.” *Science of Team Science (SciTS)*, August 2022.

Plaisance, Kathryn S., “Integrating Methods in the Human Behavioral Sciences: Implications for Scientific Pluralism.” *Philosophy of Science Association, Society for Philosophy of Science in Practice Cognate Session*, November 2021.

Plaisance, Kathryn S. and Payton Mikrogianakis*, “Psychological Safety for Whom? Why We Need to Attend to Diversity, Status, and Power Dynamics in Science Teams.” *Science of Team Science (SciTS)*, June 2021. (*Presented as a pre-recorded splash talk.*)

Plaisance, Kathryn S. and Kevin C. Elliott, “A Framework for Analyzing Broadly Engaged Philosophy of Science.” *Public Philosophy Network (PPN)*, Lansing, Michigan, October 2019.

Plaisance, Kathryn S., John McLevey, Alexander V. Graham*, and Janet Michaud*, “Enhancing Our Understanding of the Relationship Between Philosophy of Science and the Sciences: Results from a Survey.” *Philosophy of Science Association (PSA)*, Seattle, Washington, Nov 2018. [Poster designed and presented by KP]

Plaisance, Kathryn S., John McLevey, Alexander V. Graham*, and Janet Michaud*, “Enhancing Our Understanding of the Relationship Between Philosophy of Science and the Sciences: Results from a Survey.” *International Consortium for Socially Relevant Philosophy of/in Science and Engineering (SRPoiSE)*, Atlanta, Georgia, June 2018. [Presented by KP]

Plaisance, Kathryn S., “An Empirical Portrait of Engaged Philosophy of Science.” *Philosophy of Science Association, SRPoiSE Cognate Session*, Chicago, November 2018.

Plaisance, Kathryn S., John McLevey, and Janet Michaud*, “Investigating the Impact of Philosophy of Science in Scientific Domains.” *Public Philosophy Network (PPN)*, Boulder, Colorado, February 2018. [Presented by KP]

Plaisance, Kathryn S. and Janet Michaud*, “The Goals of Philosophy of Science (with Respect to Science).” *SRPoiSE*, Dallas, Texas, May 2016.

Plaisance, Kathryn S., “Leveraging Diversity in Interdisciplinary Collaboration and Team Science: Theoretical and Empirical Considerations.” *SciTS*, May 2016.

Plaisance, Kathryn S., and John McLevey, “Mapping the Uptake of Philosophy of Science.” *SRPoiSE*, Detroit, Michigan, March 2015.

Plaisance, Kathryn S., and Robert Gorbet, “Overcoming Institutional Barriers to Interdisciplinary Collaboration” (co-written with Rob Gorbet), *SRPoiSE*, Detroit, Michigan, March 2015.

Plaisance, Kathryn S., “A Feminist Approach to Facilitating Interdisciplinary Collaboration: A Re-evaluation of the Toolbox Project”, *Philosophy of Science Association, SRPoiSE session*, Chicago (given in absentia by symposium co-organizers), November 2014.

Plaisance, Kathryn S., “A Feminist Approach to Facilitating Interdisciplinary Collaboration: A Re-evaluation of the Toolbox Project”, *FEMMSS*, University of Waterloo, August 2014.

Plaisance, Kathryn S., and Carla Fehr, “Socially Relevant Philosophy of Science: Institutional Barriers and Enablers” [*Digital poster*], *First Global Conference on Research Integration and Implementation*, Canberra, Australia, and online, September 2013.

Plaisance, Kathryn S., “The Role of Interactional Experts in Making Scientific Knowledge More Objective”, *SEESHOP7*, Arizona State University, May 2013.

Plaisance, Kathryn S., “Philosophers as Interactional Experts: Fostering a More Engaged Philosophy of Science”, *Public Philosophy Network*, Emory University, March 2013.

Plaisance, Kathryn S., “Interactional Expertise: A Case Study in Philosophy of Science and Behavioral Genetics”, *SEESHOP6*, Cardiff, Wales, June 2012.

Kennedy, Eric B., and **Kathryn S. Plaisance**, “Interactional Expertise: A Pluralistic Approach” (co-authored with Eric Kennedy), *SEESHOP6*, Cardiff, Wales, June 2012.

Plaisance, Kathryn S., “Interactional Expertise: A Case Study in Philosophy of Science and Human Behavioral Genetics”, *International Society for History, Philosophy, & Social Studies of Biology*, Salt Lake City, Utah, July 2011.

Plaisance, Kathryn S., “Philosophers of Science Responding to Controversial Science: Lessons from Evolutionary Psychology and Behavioral Genetics”, *Future of Philosophy of Science* conference, Tilburg, Netherlands, April 2010.

Plaisance, Kathryn S., “Reframing Causal Questions in Human Behavioral Genetics”, *Society for Philosophy of Science in Practice*, Minneapolis, MN, June 2009.

Plaisance, Kathryn S., “Causal Explanations Related to Shared and Nonshared Environment”, *Behavioral Genetics Association*, Minneapolis, MN, June 2009.

Plaisance, Kathryn S., “Philosophers of Science as Liaisons Between Science and Society”, *Making Philosophy of Science More Socially Relevant*, a mini-conference of the American Philosophical Association (APA), Pacific Division, Pasadena, CA, March 2008.

Plaisance, Kathryn S., “Lost in Translation: How Human Behavioral Genetic Findings Regarding Shared Environment are Often Misunderstood”, *International Society for History, Philosophy, & Social Studies of Biology*, Exeter, UK, July 2007.

Plaisance, Kathryn S., “What Does it Mean to Say that Developmental Behavioral Genetics is Not ‘Truly’ Developmental”, *British Society for Philosophy of Science*, Bristol, UK, July 2007.

Plaisance, Kathryn S., “Lost in Translation: How Human Behavioral Genetic Findings Regarding Shared Environment are Often Misunderstood”, *Behavioral Genetics Association*, Amsterdam, Netherlands, June 2007.

Plaisance, Kathryn S., “Detecting Causes: Can Examining Variation ‘Provide Clues’ to Development?”, *Southwest Colloquium in History & Philosophy of the Life Sciences*, University of California at Davis, April 2006.

Plaisance, Kathryn S., “Cyborg Technology: Identity and the Treatment/Enhancement Distinction”, *2nd Annual University of Memphis Philosophy of Technology Graduate Student Conference*, Knoxville, TN, February 2006.

Plaisance, Kathryn S., “Causal Relationships in the Behavioral Sciences: Applying Woodward’s Account of Causal Explanation to the Analysis of Variance”, *International Society for History, Philosophy, & Social Studies of Biology*, Guelph, ON, July 2005.

Plaisance, Kathryn S., “Prevalent Dichotomies in Behavioral Genetics and Developmental Psychology: What’s a Shared Environment, Anyway?”, *Beyond Dichotomies, Across the Boundaries: Interdisciplinary Investigations of Dynamic Interactions in Biological and Social Sciences*, University of Minnesota, April 2005.

Non-refereed Presentations

Burt, S. Alex, **Kathryn S. Plaisance**, and Zach D. Hambrick, “Understanding ‘What Could Be’: Heritability in a Randomized Twin Design – Methods” *Genetics and Human Agency annual meeting*, Charlottesville, VA, May 2018. [Presented by K. Plaisance]

Burt, S. Alex, **Kathryn S. Plaisance**, and Zach D. Hambrick, “Understanding ‘What Could Be’: Heritability in a Randomized Twin Design – Proposed Project” *Genetics and Human Agency annual meeting*, Charlottesville, VA, May 2018.

Plaisance, Kathryn S., Invited discussant. *Calgary Summit of Philosophy of Biology*. University of Calgary, Department of Philosophy, September 2014.

Plaisance, Kathryn S., “Engaging Philosophy: The Benefits of Acquiring Interactional Expertise”, University of Waterloo, Department of Philosophy lunchtime talk series, November 2013.

Scholarship of Teaching and Learning (SoTL)

SoTL Presentations (refereed)

Mitchell, Carrie, **Kathryn S. Plaisance**, and Christine Logel, “Wellbeing in Student Education and Research (WISER).” *University of Waterloo Teaching and Learning Conference*, May 2024.

Aragón, Lina*, and **Kathryn S. Plaisance**, “Improving Team Science Education and Training: Lessons from a Course on Interdisciplinary Collaboration.” *Science of Team Science*, August 2022. [Conference Poster.]

Plaisance, Kathryn S., Alexis Hill, Payton Mikrogianakis, and Bridget Truchon, “Teaching Collaboration as an Essential Skill: Student & Instructor Reflections on Key Concepts, Theories, and Practices for Effective Teams.” *Science of Team Science*, June 2021. [Conference Panel.]

Plaisance, Kathryn S., “Using Pre-course Surveys to Identify Students' Needs, Interests, and Prior Knowledge.” *Faculty Summer Institute: Rebooting Students' Experiences*, May 2021.

Plaisance, Kathryn S., Christopher Lok*, and Christine Logel, “Closing the Collaborative Skills Gap: Assessing the Effectiveness of a University-Wide Course Designed to Teach Students How to Work in Diverse Teams.” *Science of Team Science*, Lansing, Michigan, May 2019.

Plaisance, Kathryn S., Christopher Lok*, and Christine Logel, “Closing the Collaborative Skills Gap: How to Enhance Group Work in the Classroom.” *University of Waterloo Teaching & Learning Conference*, May 2019.

LaMarre, Georgia*, Akanksha Madan*, Shane Morganstein*, and **Kathryn S. Plaisance**, “Teaching Teamwork to Undergraduate Students: A Joint Faculty-Student Pilot Project at the University of Waterloo,” *Science of Team Science*, May 2016.

SoTL Grants (refereed)

Co-PI, UW Learning Innovation and Teaching Enhancement (LITE) grant, “WISER at Waterloo: Implementing and Evaluating Evidence-Based Practices for Student Wellbeing, Belonging, and Equity,” \$7500, 2024-26. (PI: Carrie Mitchell, School of Planning)

PI, UW Learning Innovation and Teaching Enhancement (LITE) grant, “Building Capacity to Teach Collaborative Skills at the University of Waterloo,” \$4000, 2019-22.
(Co-PI: Scott Anderson, Centre for Teaching Excellence)

PI, UW Learning Innovation and Teaching Enhancement (LITE) grant, “Closing the Collaborative Skills Gap: Assessing the Effectiveness of a University-Wide Course Designed to Teach Students How to Collaborate in Diverse Groups,” \$4970, 2018-19.
(Co-PI: Christine Logel, Social Development Studies)

PI, UW Learning Innovation and Teaching Enhancement (LITE) grant, “Breaking Down Barriers: A Student-Led Workshop on Interdisciplinary Collaboration,” \$5000, 2015-16.
(Co-PIs: Georgia LaMarre*, Akanksha Madan*, and Shane Morganstein*, KI students)

Educational Leadership

Teaching-Related Presentations at the University of Waterloo (invited)

Invited speaker for “Supporting Interdisciplinary Learning through Student Led Independently Created Courses (SLICCs),” October 2024.

Inaugural speaker for the Centre for Teaching Excellence (CTE) series on Scholarship of Teaching and Learning (SoTL) Stories, June 2022.

Invited panelist for the Centre for Teaching Excellence workshop, “Engaged Reading Using Perusall’s Annotation Software,” March 2021.

Invited presentation for the Centre for Teaching Excellence (CTE) workshop, “Using Technology to Enhance Collaboration,” March 2016.

Invited presentation, “High Impact Practices and Peer Assessment,” Department of Earth Sciences Teaching Retreat, April 2015.

Inaugural presentation for the Waterloo High Impact Practices group on “High Impact Practices in Knowledge Integration,” January 2015.

Invited teaching presentation at University of Waterloo Senate, “Increasing Student Engagement through Collaborative Course Design,” November 2014.

Invited teaching presentation on teaching scientific literacy, “Teaching Scientific Literacy with Humor: Monty Python and the Holy Grail,” February 2010.

Teaching-Related Presentations External to the University of Waterloo (invited)

Invited panelist for “Interdisciplinary Team Science” graduate course at Ohio State University, co-led with students and alumni from Knowledge Integration, December 2021, 2022, 2023, & 2024.

Invited talk, “The Science of Team Science.” Colorado School of Mines, August 2020.

Invited keynote, “Making Collaboration Work: The Importance of Deliberate Practice.” *Science of Team Science* conference (online due to COVID), June 2020.

Invited talk, “The Collaborative Skills Gap.” *Lyman Briggs College, Michigan State University*, February 2020.

Interactive Workshops on Student Collaboration & Teamwork (selected)

Designed and led several workshops for high school students on “Collaborative Problem-Solving” as part of UWaterloo’s Equity Outreach Program, October & November 2024. (~150 students)

Co-designed and co-led week-long workshop on “Making Collaboration Work,” for Engineering Faculty at Tecnológico de Monterrey (TEC) in Monterrey, Mexico, December 2019.
(Co-designed and facilitated with Rob Gorbet, Knowledge Integration)

Designed and led workshop on “Interdisciplinary Collaboration” for the Collaborative Research & Training Experience (CREATE) program, UWaterloo Engineering, 2019.

Led Toolbox Dialogue Initiative (TDI) workshop at “Leveraging systems approaches to improve planetary and human health,” UWaterloo Applied Health Sciences, April 2018.

Co-facilitated Toolbox Dialogue Initiative workshop at the International Consortium for Socially Relevant Philosophy in/of Science and Engineering (SRPoiSE) meeting, May 2016.

Developed & co-led workshop on “Enhancing Group Work,” hosted by the Centre for Teaching Excellence (CTE) at the University of Waterloo, January & April 2016.
(Co-designed and facilitated with Georgia LaMarre, Akanksha Madan, & Shane Morganstein)

Developed & co-led “UW Collaborates: A Crash Course in Collaboration,” January 2016, a full-day of presentations and training workshops for students from across UWaterloo.
(Co-designed with Georgia LaMarre, Akanksha Madan, & Shane Morganstein)

Professional/Service Activities

Professional Association Leadership Activities (*selected*)

Co-director of the International Consortium of Socially Relevant Philosophy of/in Science and Engineering (SRPoiSE), 2022-present.

Board member, International Network of the Science of Team Science (INSciTS), 2021-2023.

Board member & co-founder of the International Consortium of Socially Relevant Philosophy of/in Science and Engineering (SRPoiSE), 2013-2022.

European Philosophy of Science Association Program Committee, 2023.

Public Philosophy Network (PPN) Program Committee, 2018-19.

Philosophy of Science Association Public Forum committee, “Data for Whose Good: Values and Accountability in Data Science,” 2017-18.

Conference & Event Organizing (*selected*)

Session organizer for “Philosophy/Philosophers of Science in Cross-Disciplinary Science: Benefits, Challenges and Facilitators” at the *Philosophy of Science Association*, San Diego, CA, November 2026.

Session organizer for “Engaging Science with Philosophy: Case Studies, Empirical Data, and Reflections on Collaborations Between Philosophers of Science and Scientists/Engineers” at the *Philosophy of Science Association*, Pittsburgh, PA, November 2022.

Lead organizer for “Summit on Responsible Innovation and Technology” at the University of Waterloo, Canada, October 2019.

Co-organizer for “Responsible AI” panel at the Centre for International Governance and Innovation (with Rob Gorbet), Waterloo, Canada, November 2018.

Lead organizer for “Communities of Integration,” a joint conference of the International Consortium of Socially Relevant Philosophy of/in Science and Engineering (SRPoiSE), Socio-Technical Integration Research (STIR), Studies of Experience and Expertise (SEE), and the Toolbox Dialogue Initiative (TDI), Kitchener, Canada, June 2014.

Lead organizer for “How Philosophers of Science Can Take Up Socially Relevant Roles,” workshop at the *Philosophy of Science Association* (PSA) meeting, Pittsburgh, PA, November 2008.

Lead organizer for “Making Philosophy of Science More Socially Relevant,” mini-conference at the American Philosophical Association (APA), Pacific Division, Pasadena, CA, March 2008.

Journal/book/grant referee: *Philosophy of Science*; *Synthese*; *Studies in the History and Philosophy of Science*; *Perspectives on Science*; *European Journal of Philosophy of Science*; *Behavior Genetics*; *Erasmus journal for Philosophy and Economics*; *IEEE International Symposium on*

Ethics in Engineering, Science, and Technology Ethics; Environmental Policy and Governance;
Cambridge University Press; MIT Press; Routledge Press; the National Science Foundation.

Service to the University (selected)

2026-	Vice-President, Academic and Provost Nominating Committee
2026-	SERS Performance Evaluation Committee
2025-	Canada Excellence Research Chair Steering Committee (Dr. Sara Hart)
2024-25	Faculty of Arts Canada Research Chair Selection Committee
2024-24	Department of Psychology Chair Nominating Committee
2024-24	Faculty of Environment Awards Committee
2023-24	Faculty of Environment Common First-year Task Force
2020-21	Faculty of Environment Student Course Perceptions Survey Committee
2019-20	University of Waterloo Interdisciplinary Task Force (IDTF)
2018-20	Council for Responsible Innovation & Technology (CRIT)
2018-18	Peer review of teaching, Faculty of Environment
2014-19	Research Ethics and Integrity Advisory Committee (REIAC)
2018-19	Science and Technology in Society Teaching Group Director (STSTG)
2013-19	Faculty of Environment Undergraduate Studies Committee
2013-19	Associate Chair, Undergraduate Studies, Knowledge Integration
2015-17	Faculty of Environment HeForShe Committee
2014-16	Program review committee, Knowledge Integration
2011-12	Faculty Association University of Waterloo Board Member (FAUW)
2010-12	Status of Women and Equity Committee (SWEC)
2010-12	Subcommittee on Inclusive Hiring Practices for the University Appointments & Review Committee (UARC) & SWEC
2010-11	Wolfe Chair Advisory Committee

Consulting

Connected Minds program, York University, 2026

Consulting with program officers to design tailored workshops for newly funded interdisciplinary teams (to be run in fall 2026)

Connected Minds program, York University, 2025

Designed and ran two half-day workshops: one on interdisciplinary collaboration for new trainees, the other on navigating challenges in interdisciplinary research for early career researchers

Petsmart corporate headquarters, 2024

Presented talk on “Building inclusive and high-performing teams: The importance of belonging & psychological safety” and consulted with leaders on improving teamwork training.

Next Generation Event Horizon Telescope (ngEHT) Collaboration Focus Group, 2022

Consulted with researchers about improving collaborations between philosophers and scientists.

Feminist X-Phi (Experimental Philosophy) Group, 2022

Consulted with faculty and graduate students on using qualitative research methods.

WSU ADVANCE, Washington State University, 2022

Critical friend reviewer for book manuscript, “Engaging Faculty Groups in Institutional Transformation for Social Justice: Frameworks for Disrupting Inequity and Building Inclusive Academic Departments,” Routledge Press.

Pandos, Inc., 2021

Consulted with CEO Lam Thieu on improving Pandos’ platform for team formation and assessment (Pandos is an Ontario-based educational technology company).

Ohio State University Integrative Biology program, 2021

Consulted with Principal Investigator regarding a collaboration plan for an NSF proposal.

Colorado School of Mines, Colorado, 2020

Presented talk on “the science of team science” and consulted with faculty and administrators on ways to improve interdisciplinary collaboration amongst science and engineering researchers.

Humber College, Bachelor of Creative Advertising, Ontario, 2019

Consulted with program leaders on how to teach collaboration skills to students in their program.

Government of Ontario Public Service Learning and Development Unit, 2018

Consulted on the development of a workshop on effective collaboration.