

EMILY C. PARKE

CURRICULUM VITAE January 2026

Te Puna Aronui | School of Humanities
Waipapa Taumata Rau | University of Auckland
Aotearoa New Zealand

email: e.parke@auckland.ac.nz
web: emilyparke.com

ACADEMIC APPOINTMENTS

2026–present Associate Professor of Philosophy, University of Auckland
2019–2025 Senior Lecturer in Philosophy, University of Auckland
2015–2018 Lecturer in Philosophy, University of Auckland

Fellowships and visiting positions:

2024 Visiting Fellow, SOCRATES Centre for Advanced Studies, Institute of Philosophy, Leibniz Universität Hannover (October–December)
2018, 2023 Visiting Fellow, School of Philosophy, Research School of Social Sciences, The Australian National University (July 2018, continued September–October 2023)
2015 Visiting Scholar, Center for Biology and Society, Arizona State University (April–June)
2012 Visiting Scholar, School of Philosophy, Research School of Social Sciences, The Australian National University (June–September)

EDUCATION

2015 **PhD** University of Pennsylvania, Department of Philosophy
National Science Foundation Graduate Research Fellow
Thesis: *Experiments, simulations, and lessons from experimental evolution*
Supervisor: Michael Weisberg
Committee: Karen Detlefsen, Daniel Singer, Paul Sniegowski (Biology)
2004 **BA** Reed College, Philosophy

PUBLICATIONS

Articles and Book Chapters

2025 Mann R, Lynch K, & **Parke EC**. Where is the organism concept? Agential accounts might help. Accepted in *American Journal of Bioethics*.
2024 **Parke EC** & Hikuroa D. Against defending science: Asking better questions about Indigenous knowledge and science. *Philosophy of Science*, 91(5): 1210 - 1220.
2023 **Parke EC** & Plutynski A. Going big by going small: trade-offs in microbiome explanations of cancer. *Studies in History and Philosophy of Science*, 97: 101–110.
2023 **Parke EC**. Characterizing life: four dimensions and their relevance to origin of life research. In S Smoukov, J Seckbach & R Gordon (Eds.) *Conflicting Models for the Origin of Life*, volume in the series *Astrobiology Perspectives on Life of the Universe* (pp. 31–49). Wiley Scrivener.
2023 Egbert M, Hanczyc MM, Harvey I, Virgo N, **Parke EC**, Froese T, Sayama H, Penn A & Bartlett S. Behaviour and the origin of organisms. *Origins of Life and Evolution of Biospheres*, 53, 87–112.

- 2021 Mulgan T, Enright S, Grix M, Jayasuriya U, Ka’ili T, Lear A, Mähina A, Mähina Ō, Matthewson J, Moore A, **Parke EC**, Schouten V & Watene K. Charting just futures for Aotearoa New Zealand: Philosophy for and beyond the Covid-19 pandemic. *Journal of the Royal Society of New Zealand*, 51(S1): S167–S178.
- 2021 **Parke EC**. Trivial, interesting, or overselling? The microbiome and ‘what it means to be human’. *BioScience* 71(6): 658–663.
- 2020 O’Malley MA & **Parke EC**. Philosophy of microbiology. *Stanford Encyclopedia of Philosophy* (Fall 2020 edition), EN Zalta (Ed.), <https://plato.stanford.edu/entries/microbiology/>.
- 2020 Lynch KE, **Parke EC** & O’Malley MA. Microbiome causality: further reflections (a response to our commentators). *Biology & Philosophy* 35: 29.
- 2020 **Parke EC** & Plutynski A. What is the nature of theories and models in biology? In T Uller & K Kampourakis (Eds.), *Philosophy of science for biologists* (pp. 55–78). Cambridge University Press.
- 2020 **Parke EC**. Dimensions of life definitions. In KC Smith & C Mariscal (Eds.), *Social and conceptual issues in astrobiology* (pp. 79–91). Oxford University Press.
- 2019 Lynch KE, **Parke EC** & O’Malley MA. How causal are microbiomes? A comparison with the *Helicobacter pylori* explanation of ulcers. *Biology & Philosophy* 34: 62.
Target article published with peer commentaries.
- 2019 Woolley S, **Parke EC**, Kelley D, Poole A & Ganley A. Striving for clarity about the “Lamarckian” nature of CRISPR-Cas systems. *Biology & Philosophy* 34: 11.
- 2018 O’Malley MA & **Parke EC**. Microbes, mathematics, and models. *Studies in History and Philosophy of Science Part A* 72: 1–10.
- 2018 **Parke EC**, Calcott B & O’Malley MA. A cautionary note for claims about the microbiome’s impact on the “self.” *PLoS Biology* 16(9): e2006654.
- 2018 **Parke EC** & Russell JC. Ethical responsibilities in invasion biology. *The Ecological Citizen* 2(1): 17–19.
- 2014 **Parke EC**. Experiments, simulations, and epistemic privilege. *Philosophy of Science* 81(4): 516–536.
- 2014 **Parke EC**. Flies from meat and wasps from trees: reevaluating Francesco Redi’s spontaneous generation experiments. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 45: 34–42.
- 2013 **Parke EC**. What could arsenic bacteria teach us about life? *Biology & Philosophy* 28(2): 205–218.
- 2013 Bedau MA, McCaskill JS, Packard NH, **Parke EC** & Rasmussen S. Introduction to recent developments in living technology. *Artificial Life* 19: 291–298.
- 2009 Bedau MA, **Parke EC**, Tangen U & Hantsche-Tangen B. Social and ethical checkpoints for bottom-up synthetic biology, or protocells. *Systems and Synthetic Biology* 3: 65–75.
- 2009 **Parke EC** & Bedau MA. The precautionary principle and its critics. In MA Bedau & EC Parke (Eds.), *The ethics of protocells: moral and social implications of creating life in the laboratory* (pp. 69–87). The MIT Press.
- 2009 Bedau MA & **Parke EC**. Social and ethical issues concerning protocells. In S Rasmussen, MA Bedau, L Chen, D Deamer, DC Krakauer, NH Packard, & PF Stadler (Eds.), *Protocells: bridging nonliving and living matter* (pp. 641–654). The MIT Press.

Edited Volumes

- 2010 Bedau MA, Hansen PG, **Parke EC** & Rasmussen S (Eds.). *Living technology: five questions*. Automatic Press/VIP.
- 2009 Bedau MA & **Parke EC** (Eds.). *The ethics of protocells: moral and social implications of creating life in the laboratory*. The MIT Press.

Reviews and Reports

- 2022 **Parke EC**. Review of Carol E. Cleland's *The quest for a universal theory of life: searching for life as we don't know it*, Cambridge University Press (2019). *Philosophy of Science*, 89(4), 872–875.
- 2019 BioHeritage Bioethics Panel. *Predator Free New Zealand: social, cultural, and ethical challenges*. Biological Heritage National Science Challenge Report. 26 pages. Team-written report with fifteen co-authors.

PUBLIC PHILOSOPHY AND MEDIA

- 2022 **Parke EC**. What is the most important thing a scientist needs? *The Conversation*, February 23 2022. Reprinted in 2025 in the *South China Morning Post*.
- 2021 **Parke EC** & Hikuroa D. Let's choose our words more carefully when discussing mātauranga Māori and science. *The Conversation*, August 4 2021.

Interviewed in:

- "New Zealand's bold plan to save endangered animals: kill millions of invasive animals", NPR (National Public Radio) Morning Edition, 9 September 2025
- "Oceans of knowledge", Law at the End of the World podcast, 14 June 2025
- SCI PHI Podcast, Episode 74, 16 February 2022
- "Life and its origins", Sciences of the Origin project, 14 December 2021
- "The night of philosophy", Hi-Phi Nation podcast, 19 June 2018
- "Should we kill one species to save another?", BBC CrowdScience, 22 September 2017
- "Q&A: Predator-free NZ's tricky ethical issues", The New Zealand Herald, 19 September 2017

AWARDS AND FUNDING

Fellowships and Awards

- 2024 Visiting Fellowship, SOCRATES Centre for Advanced Studies, Institute of Philosophy, Leibniz Universität Hannover
- 2020 Early Career Research Excellence Award, University of Auckland
- 2019 Faculty of Arts Early Career Research Excellence Award, University of Auckland
- 2018 Visiting Fellowship, School of Philosophy, Research School of Social Sciences, The Australian National University
- 2017 Marjorie Grene Prize, International Society for the History, Philosophy, and Social Studies of Biology
- 2012–2013 Hopkinson Fellowship, University of Pennsylvania

Grant Funding—External

- 2021–2024 Marsden Fund Fast-Start Award, Te Apārangi Royal Society of New Zealand, *Dimensions of life: integrating scientific and philosophical perspectives on the living world* (PI), \$300,000
- 2016–2019 Biological Heritage National Science Challenge, *Bioethics panel for high tech solutions to invasive mammal pest control* (co-PI with James Russell), \$60,000
- 2011–2014 National Science Foundation (NSF) Graduate Research Fellowship (PI), USD\$90,000

Grant Funding—Internal

- 2026 Scholarship of Teaching and Learning Development and Innovation Grant, *Accessible multimedia tools for engaging with philosophical material* (PI), \$2,500
- 2025 School of Environment Department Research Development Fund, *Conceptual analysis of knowledge systems* (co-PI with Karen Fisher and Meg Parsons), \$6,500
- 2024 Marsden Near-Miss Grant, *Beyond ontologies: a toolkit for constructive discussions of knowledge systems* (co-PI with Karen Fisher), \$8,000
- 2022–2023 Transdisciplinary Ideation Fund, *Ethics, education and eradication: a transdisciplinary study of challenges to Predator Free 2050 in schools and society* (AI with PIs Ally Palmer, Sally Birdsall and James Russell), \$18,000
- 2019–2021 Strategic Research Initiatives Fund, *Digital Life Institute* (AI with PIs Jane Allison and Anthony Poole), \$300,000
- 2018–2020 Faculty of Arts Research Collaboration Grant, *Life, mauri, and the intersection of mātauranga and science* (co-PI with Dan Hikuroa), \$10,000
- 2018–2019 Food and Health Programme Seed Fund, *Navigating transitions to different diets: an investigation into the motivations of, and challenges to, shifts away from dairy (and back again)* (AI with PI Emma Sharp), \$10,000
- 2017–2018 Vice-Chancellor's Strategic Development Fund, *Establishment of Te Ao Mārama—Centre for Fundamental Inquiry* (co-PI with Kathy Campbell and Richard Easter), \$100,000
- 2017–2018 Vice-Chancellor's Strategic Development Fund, *Auckland Genome Biology Research Centre* (AI with PI Anthony Poole), \$20,000
- 2016–2018 Faculty Research Development Fund, *Addressing conceptual questions about life and its origins* (PI), \$24,644

PRESENTATIONS

* = Refereed, ◇ = Invited

What are we asking when we ask what life is?

'Living Intelligences @ CASIP', Chinese Academy of Sciences Institute of Philosophy, Beijing, September 2025 ◇

Australia/New Zealand Philosophy of Biology Workshop, Mittagong, NSW, June 2025

Relationship-building and the limits of participatory science (with Federica Bocchi)

ISHPSSB (International Society for the History, Philosophy, and Social Studies of Biology), Porto, July 2025 *

How should we think about microbiome health and function? (with Derek Skillings)

ISHPSSB, Porto, July 2025 *

Being careful with concepts: What is life, and who cares?

‘Agency, Community and Symbiosis’, Earth-Life Sciences Institute (ELSI), Tokyo, Japan, January 2025 ◇

Predator Free New Zealand is not really about a predator-free New Zealand: invasion concepts, values and local contexts

SOCRATES Seminar, Leibniz Universität Hannover, November 2024 ◇

Co-developed marine conservation and resource management in Aotearoa New Zealand

Presidential Plenary Session, ‘Making and remaking the Mississippi River: Responsibilities, injustices and obligations in community-based land management and wetland restoration’, Philosophy of Science Association (PSA), New Orleans, November 2024 ◇ (invited panelist)

Bioethics panel advising on social, ethical, and cultural dimensions of Predator Free New Zealand

Philosophy and Policy Panel Discussion, PSA, New Orleans, November 2024 ◇ (invited panelist)

Conservation in Aotearoa New Zealand: Norms and values in plain sight

‘Aims, Norms, and Values in Scientific Classification for Biodiversity Conservation’, 42nd Altenberg Workshop in Theoretical Biology, Konrad Lorenz Institute, Austria, October 2024 ◇

What is life, and who cares? A middle ground view

Philosophy Work-in-Progress Talk, University of Washington, April 2025

Institute of Philosophy Colloquium, Leibniz Universität Hannover, December 2024 ◇

Origins Federation Meeting, Leverhulme Centre for Life in the Universe, Cambridge, September 2024 ◇

‘Evolution & Development: From Life to Mind’, Chinese Academy of Sciences Institute of Philosophy (CASIP), Beijing, August 2024 ◇ (Keynote)

What is life? Narrowing the scope (with some title variations)

New Zealand Association of Philosophers (NZAP), Tauranga, December 2023

Philosophy of Biology at Dolphin Beach (PBDB), October 2023 ◇

Philosophy Seminar, Australian National University, October 2023 ◇

What is a knowledge system?

‘Ocean and Us’, Royal Society of Edinburgh (RSE) Research Network, online, October 2023 ◇

Mātauranga Māori and science: In defence of clarity (with Dan Hikuroa)

Raising the Bar Auckland, August 2023 ◇

What is a healthy microbiome?

Australia/New Zealand Philosophy of Biology Workshop, Canberra, June 2023

Asking better questions about Indigenous knowledge and science (with Dan Hikuroa)

PSA, Pittsburgh, November 2022 *

Predator Free New Zealand is not really about a predator-free New Zealand: invasion biology, terminology and controversy (with some title variations)

NZAP, Palmerston North, December 2022

Philosophy Colloquium, Reed College, November 2022 ◇

Australasian Association of Philosophy (AAP), online conference, July 2022 *

Philosophy Seminar, UC Davis, March 2021 ◇

'Killing Cats to Save Finches: Perspectives on Invasive Species and Conservation Ethics', University of Pennsylvania, Philadelphia, March 2019

Four dimensions of life

ROTO Lecture Series (The Return of the Organism in the Biosciences), Ruhr Universität Bochum, March 2022 ◇

AIMS Seminar (Agency & Intelligence on Multiple Scales), University of Wollongong, October 2021 ◇

Trivial, interesting, or overselling? The microbiome and 'what it means to be human'

Philosophy Seminar, The Australian National University, November 2020 ◇

New Zealand Microbial Ecology Consortium (NZMEC6.0), Auckland, February 2020 ◇

How to stop arguing about invasive species

ISHPSSB, virtual conference, July 2021 *

Experiments vs. models (with some title variations)

Joint meeting of the New Zealand Microbiological Society and the New Zealand Society for Biochemistry and Molecular Biology (NZMS/NZSBMB), Dunedin, November 2018 ◇

Biology Seminar, Massey University, May 2017 ◇

Auckland Bioengineering Institute, University of Auckland, October 2016 ◇

Biology Seminar, University of Auckland, September 2016 ◇

Exploratory microbial models

PSA, Seattle, November 2018 *

Tapes of life on ice: some philosophical lessons from experimental microbial evolution

Evolution Research @ Auckland Seminar, Auckland, August 2018 ◇

Introduction to the bioethics panel report on Predator Free New Zealand

Society for Conservation Biology Oceania (SCBO), Wellington, July 2018 ◇

What are biosignatures signatures of?

Philosophy Seminar, The Australian National University, June 2018 ◇

Finding, explaining, and engineering life

Te Ao Mārama Conference, Auckland, November 2018 ◇ (Keynote)

Philosophy Seminar, Victoria University of Wellington, September 2017 ◇

PBDB11, Moruya, August 2017 ◇

'Sensors, Motors and Behaviour at the Origin of Life', Earth-Life Sciences Institute, Tokyo, July 2017 ◇

Philosophy Seminar, University of Waikato, July 2017 ◇

Pacific APA (American Philosophical Association), Seattle, April 2017 ◇

Hypothesis testing, exploratory experiments, and the space in between

SPSP2016 (Society for the Philosophy of Science in Practice), Rowan University, June 2016 *

NZAP, Massey University, December 2015

Treasured exceptions: surprise and its role in science

Philosophy Colloquium, Reed College, November 2016 ◇

ENSO Seminar Series (ENactive Seminars Online), October 2016 ◇

Philosophy Seminar, University of Otago, September 2016 ◇

Physics Seminar, University of Auckland, July 2016 ◇

Empirical Philosophy Workshop IV, Victoria University of Wellington, October 2015 ◇

Philosophy Seminar, University of Auckland, September 2015

The many faces of model organisms

‘Philosophy and Practice of Modelling’, University of Sydney, August 2015 ◇

Experiments, simulations, and epistemic privilege

Biology Interest Group, Minnesota Center for Philosophy of Science, October 2014 ◇

Experiments, simulations, and surprises (with some title variations)

PSA, Chicago, November 2014 *

ALIFE 14 (International Conference on Artificial Life), New York, July 2014 (presented poster) *

MS6 (Models and Simulations in the Sciences), Notre Dame, May 2014 *

POBAM (Philosophy of Biology at Madison), Madison, May 2014 *

PSX4 (Philosophy of Scientific Experimentation), Pittsburgh, April 2014 *

Ecolunch Ecology & Evolution Seminar, University of Pennsylvania, December 2013 ◇

What’s the difference between experiment and simulation?

ISHPSSB, Montpellier, July 2013 *

Experimental evolution and external validity (with some title variations)

PBDB6, Moruya, July 2012 ◇

PSX3, Boulder, October 2012 *

AAP, Wollongong, July 2012

Commentary on John Beatty’s “What does it mean to say that ‘history matters?’”

‘Philosophical Perspectives on Causal Reasoning in Biology’, Minnesota Center for Philosophy of Science, May 2012 ◇

Lessons from arsenic bacteria

EPSA (European Philosophy of Science Association), Athens, October 2011 *

ISHPSSB, Salt Lake City, July 2011 *

Social and ethical impact of artificial cells

Blueprint for an Artificial Cell, European Center for Living Technology, Venice, May 2008 ◇

Efficient discovery and optimization using high-throughput experimentation and predictive design technology

Symyx Global Symposium, Prague, May 2008 (presented poster) *

SUPERVISION

In Philosophy, unless specified otherwise.

PhD, primary supervisor

Hiva Sharebiani (current), *HTLV-1 Oncogenesis as an exceptional example for investigating multi-level selection*.

Sam Woolley (current), *Evolution and morality: assessing the case against justifiable realism*.

David Kelley (PhD 2022), *Group agency and biological individuality*.

Sidney Carls-Diamante (PhD 2018), *Armed with information: cognition and consciousness and the octopus nervous system*.

PhD, co-supervisor

Ana Shapiro (current, in Psychology, with Quentin Atkinson), *Understanding the global response to climate change through the cultural evolution of paradigms*.

James Mansell (PhD 2025, with Tim Dare), *The information commons: building Blockchain-based information networks for shared social and economic value*.

Fiona Miles (PhD 2025, with Tim Dare), *Decision-making for critically ill children in Aotearoa NZ: review of current practice and a new mana-enhancing tikanga approach*.

James Garner (PhD 2024 in Computer Science, with Matthew Egbert), *An information theoretic approach to detecting interactional asymmetry in simulated robots*.

Masters theses

James Macfarlane (current), *Epistemic authority: science and mātauranga Māori as knowledge systems*.

James Rowarth-Bell (MA 2025), *The cluster hierarchy framework: a methodology for working through the species problem*.

Natalie Sullivan (MA 2024), *Compassionate conservation and animal sentience: navigating ethical grounds in moral consideration and animal well-being*.

Finn Zhou (MA 2024, co-supervisor with Krushil Watene), *Mātauranga Māori and science as evolving practices: a philosophical bricolage*.

André Alessi (MA 2023), *Partial recall: extended memory and personal identity*.

Lauren Baal (MSc 2023 in Environmental Science, co-supervisor with Emma Sharp), *Do androids dream of transgenic sheep? An examination of the state of genetic engineering regulations in Aotearoa New Zealand*.

Gabriella Courtenay (MA 2023), *Too hot to handle: the manhandling of gender in human attraction research*.

Wenna Yeo (MA 2020, co-supervisor with Stephen Davies), *The aesthetic appreciation of animals and its ethical complexities: restructuring our aesthetic relationships*.

BA Honours and Postgraduate Diploma dissertations

Sam Bennett (BAHons 2025), *Addiction without dysfunction: an evolutionary mismatch account*.

Lysandra Zheng (BAHons 2022), *The value-laden ideal: an examination of roles for social values in science*.

James Rowarth-Bell (PGDipArts 2022), *What kinds of information are culturally transmittable?*

Britta Hamill (BAHons 2021), *Constructing analogy: concepts of race and gender*.

Gabriella Courtenay (BAHons 2020), *Evolution of the gays: a critique of biological research and evolutionary theories in regard to human homosexuality*.

Cameron Hyde (BAHons 2017), *Notions of minimal cognition*.

Lucius Tan (BAHons 2017), *Personal identity, mind upload, and the future of the human self*.

Sam Woolley (BAHons 2017), *Life as an individual versus life as a collective*.

Faculty Summer Scholarship projects

Flynn Adams and Ben Grobler-Kalinowski (2025–2026), *Localising the philosophy of biology*.

Jiyoon Yeam (2025–2026), *Conceptualising knowledge systems* (co-supervised with Karen Fisher in Environmental Science).

Lujane Shabbir (2023–2024), *Underrepresented voices in philosophy of science*.

Ethan McCormick and Grace Zhao (2023–2024), *“Emergency” framing in conservation* (co-supervised with Ally Palmer in Biology).

Cealagh Taillon (2022–2023), *Concepts and values in conservation and invasive species management*.

Olivia Clarke-Edwards (2021–2022), *Ways of knowing: Indigenous knowledge and science*.

Helena Copsey (2020–2021), *Philosophy of science and COVID-19*.

Connor Browne (2018–2019), *Ethical and conceptual issues in astrobiology* (co-supervised with Tim Mulgan).

Sam Woolley (2016–2017), *The origin of life and astrobiology*.

TEACHING

UNIVERSITY OF AUCKLAND, 2015+

* = co-taught, ◇ = contribution to a team-taught course

Graduate

BIOSCI739: Dialogues in Biology (yearly 2016+) *

PHIL749/750: Topics in Philosophy of Science

Modelling, representation and inference (2017)

Concepts and categories in biology (2018)

Philosophy of climate science (2020)

Philosophy of medicine (2023)

Concepts and values in science (2025)

Undergraduate

ASTRO200: Astrobiology (yearly 2020+) ◇

BIOMED399: Capstone: Biomedical Science (2021) ◇

CHEM254: Modelling Chemical Processes (2020) ◇

PHIL100: Mind, Knowledge, and Reality (2020–2022) *

PHIL105: Critical Thinking (2026) *

PHIL210: Applied Ethics (2017) *

PHIL250/351: Philosophy and the Environment (2015) *
 PHIL260/360: Philosophy of Science (2016, 2018, 2026)
 PHIL263/363: Philosophy of Biology (2016, 2017, 2020, 2025)
 PHYS100G: Models and Reality (2021) ◇
 SCISCHOL202B: Addressing Climate Change (2020) *

UNIVERSITY OF PENNSYLVANIA, 2010–2013

PHIL073: Ethics and the Environment (sole instructor)
 PHIL001: Introduction to Philosophy (teaching assistant for Susan Schneider)
 PHIL004: History of Modern Philosophy (teaching assistant for Paul Guyer)
 PHIL008: The Social Contract (teaching assistant for Kok-Chor Tan)
 PHIL226: Philosophy of Biology (teaching assistant for Michael Weisberg)

SERVICE AND OUTREACH

Editorial

2020+ Associate Editor, *Biology & Philosophy*
 2025+ Editorial Board, Cambridge Elements on the Origins of Life, Cambridge University Press
 2021+ Editorial Board, *Studies in History and Philosophy of Science*
 2017–2021 Editorial Board, *Studies in History and Philosophy of Biological and Biomedical Sciences*

Refereeing: *Acta Biotheoretica*; *Animal Studies Journal*; *Artificial Life*; *Astrobiology*; *Biology & Philosophy*; *British Journal for the Philosophy of Science*; Cambridge University Press; *Current Organic Chemistry*; *Erkenntnis*; *European Journal of Analytic Philosophy*; *European Journal for Philosophy of Science*; *Frontiers in Microbiology*; *History and Philosophy of the Life Sciences*; *International Studies in the Philosophy of Science*; *Marine Policy*; Oxford University Press; *Philosophia*; *Philosophy of Science*; *Philosophy, Theory, and Practice in Biology*; *PLOS Biology*; Routledge; *Science, Technology, and Human Values*; *Studies in History and Philosophy of Biological and Biomedical Sciences*; *Synthese*

Service to the Profession

* = Elected positions

2026–2027 Program Committee, 18th International Congress of Logic, Methodology and Philosophy of Science and Technology (CLMPST 2027)
 2024–2025 Chair, Nominating Committee, Philosophy of Science Association (PSA) *
 2020+ International Relations Committee member, PSA
 2017–2021 Council Member, The International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) *
 2015–2016 Committee on Hiring and Gender, New Zealand Association of Philosophers (NZAP)
 2013–2015 Student Advisory Committee member, ISHPSSB
 2011–2013 Graduate Student Representative and Student Advisory Committee Chair, ISHPSSB *

University and Faculty Service

- 2025 Waipapa Taumata Rau Course Subject Expert Rōpū (Philosophy & Knowledge Systems)
- 2023–2024 Faculty of Science Waipapa Taumata Rau (new compulsory first-year) Course Design Team
- 2023, 2026 Doctoral Exam Chair
- 2022–2024 Faculty of Arts Equity Committee

Departmental Service

- 2025 Philosophy PhD Adviser (also 2018–2023)
- 2023–2025 Head of Philosophy (‘Major/Specialisation Leader’)
- 2017, 2025 Philosophy Seminar Organiser

Mentoring

- 2020–2023 PSA Underrepresented Philosophy of Science Scholar Program
- 2016–2019 The Job Candidate Mentoring Program for Women in Philosophy

Organization and Outreach

- 2023+ Co-organizer, Australia/New Zealand Philosophy of Biology workshop, Australian National University (2023), Bundanoon (2024), Mittagong (2025), Sydney (2026)
- 2023 Organizer, Te Ao Mārama–Centre for Fundamental Inquiry Writing Retreat, Vaughan Park Retreat Centre, Auckland
- 2022 Symposium organizer, “Global dimensions of epistemic diversity”, Philosophy of Science Association (PSA) biennial conference
- 2019 Organizer, “Perspectives on the nature, origin, and limits of life” workshop, University of Auckland
- 2019 Co-organizer, “Killing cats to save finches: perspectives on invasive species and conservation policy” workshop, University of Pennsylvania
- 2018 Symposium organizer, “Microbes, mathematics, and the practice of modeling”, PSA
- 2016–2018 Monthly Science Correspondent, RadioLIVE, Weekend Variety Wireless with Graeme Hill
- 2010 Workshop leader, Initiative for Science, Society and Policy (ISSP), University of Southern Denmark
- 2005–2008 Co-organizer, four-part workshop series on ethical, legal, and social issues in bottom-up synthetic biology, for the PACE (Programmable Artificial Cell Evolution) project of the EU’s Future and Emerging Technologies Program, European Center for Living Technology and Los Alamos National Laboratories

OTHER ACADEMIC AND PROFESSIONAL ACTIVITY

- 2025+ Assistant Director, Te Ao Mārama–Centre for Fundamental Inquiry (Faculty of Science, University of Auckland). Co-Founder and Executive Committee Member since 2017

- 2016–2019 Co-convenor, BioHeritage Bioethics Panel advising on social, ethical and cultural issues regarding Predator Free New Zealand
- 2010–2015 Member of Paul Sniegowski’s laboratory (Biology, University of Pennsylvania)
- 2005–2009 Business Manager at ProtoLife Srl. (an Italian synthetic biology company)
- 2003–2005 Editorial Assistant for *Artificial Life* (MIT Press quarterly journal)

PROFESSIONAL MEMBERSHIPS

American Philosophical Association (APA)

Australasian Association of Philosophy (AAP)

International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)

New Zealand Association of Philosophers (NZAP)

Philosophy of Science Association (PSA)

Sino-Australian Philosophy of Life Sciences Network (SAPoLSN)