

Matthew Sample

Postdoctoral Researcher

Pragmatic Health Ethics Research Unit
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Primary Areas of Research

Philosophy of Science and Technology, Science and Technology Studies (STS), Bioethics, Feminist Epistemology

Education

- 2016 PHD in Philosophy, University of Washington | Dissertation: "Evaluating Neural Futures: Good Technoscience and the Challenge of Co-Production" - Supervisor: Dr. Alison Wylie
- 2013 MA in Philosophy, University of Washington
- 2011 MPHIL in History, Philosophy, and Sociology of Science and Technology, University of Cambridge - Supervisor: Dr. Hasok Chang
- 2010 BA, BS in Philosophy and Biology, University of Arkansas

Research Activities

- 2016-present Postdoctoral Researcher, Institut de recherches cliniques de Montréal and McGill University, Department of Neurology and Neurosurgery | Ethical, Legal, and Social Aspects of Brain-Computer Interfaces - Empirical Study of Stakeholder Perspectives
- 2014-2016 Predoctoral Fellow, Program on Science, Technology, and Society, Kennedy School of Government, Harvard University
- 2012-2016 Research Assistant, Neuroethics Research Thrust at the Center for Sensorimotor Neural Engineering (csne-erc.org), University of Washington
- summer 2014 International Summer Exchange, Center for Sensorimotor Neural Engineering, University of Washington and BrainLinks-BrainTools, University of Freiburg. Freiburg, Germany

Publications

* indicates student co-author

- in press "Neuroethics and the Political Imagination: Modeling Public Engagement as Governance." Eds. Nettelbeck, Livanec, and Müller. *Science, Art and Neuroethics: Transdisciplinary Collaborations to Foster Public Engagement*. Bielefeld: Transcript.
- in press Wren Boehlen* and Matthew Sample. "Rehabilitative Culture and Its Impact on Technology: Unpacking Practical Conditions for Ultrabilitation." *Disability and Rehabilitation*.
- under review Matthew Sample, Sebastian Sattler, Eric Racine, Stefanie Blain-Moraes, and David Rodriguez-Arias. "Do Publics Share Experts Worries about Neural Technology? A Trinational Survey on the Ethics of Brain-Computer Interfaces." *Science, Technology, and Human Values*.

- 2018 Michelle Pham, Sara Goering, Matthew Sample, Jane E. Huggins, Eran Klein. "Asilomar Survey: Researcher Perspectives on Ethical Principles and Guidelines for BCI Research." *Brain-Computer Interface*. DOI: [10.1080/2326263X.2018.1530010](https://doi.org/10.1080/2326263X.2018.1530010)
- 2018 Eric Racine and Matthew Sample. "Two Problematic Foundations of Neuroethics and Pragmatist Reconstructions." *Cambridge Quarterly of Healthcare Ethics*, 27(4), 566-577.
- 2017 "Silent Performances: Are "Repertoires" Really Post-Kuhnian?" *Studies in History and Philosophy of Science Part A*. 61(Feb), 51-56.
- 2017 Eric Racine and Matthew Sample. "The Competing Identities of Neuroethics: Remarks on Theoretical and Methodological Assumptions and Their Practical Implications for the Future of Neuroethics." Eds. Johnson and Rommelfanger. *Routledge Handbook of Neuroethics*. Routledge.
- 2017 Sasha Burwell*, Matthew Sample, and Eric Racine. "Ethical Aspects of Brain Computer Interfaces: A Scoping Review." *BMC Medical Ethics*, 18(60), 1-11.
- 2017 Eric Racine, Ariane Quintal*, and Matthew Sample. "Neuroessentialism in Discussions about the Impact of Closed-Loop Technologies on Agency and Identity." *American Journal of Bioethics: Neuroscience*, 8(2), 81-83.
- 2017 Laura Specker-Sullivan, Eran Klein, Tim Brown, Matthew Sample, Michelle Pham, Paul Tubig, Raney Folland, Anjali Truitt, and Sara Goering. "Keeping Disability in Mind: A Case Study in Implantable Brain-Computer Interface Research." *Science and Engineering Ethics* (2017): 1-26.
- 2016 Jan-Christoph Heilinger, Oliver Müller, and Matthew Sample. "Changing Human Nature: The Ethical Challenge of Biotechnological Interventions on Humans." Eds. Schramme and Edwards. *Handbook of the Philosophy of Medicine*. Springer.
- 2015 "Stanford's Unconceived Alternatives from the Perspective of Epistemic Obligation." *Philosophy of Science*, 82(5), 856-866. University of Chicago Press.
- 2015 Eran Klein, Tim Brown, Matthew Sample, Anjali Truitt, and Sara Goering. "Engineering the Brain: Ethical issues and the Introduction of Neural Devices." *The Hastings Center Report*, 45(6), 26-35.
- 2012 "Evolutionary, Not Revolutionary: Current Prospects for Diagnostic Neuroimaging." *American Journal of Bioethics: Neuroscience*, 3(04):46-48.

Talks

- 2018 with François Claveau. "Philosophy in and for Society: Best Practices for Public Engagement." Symposium at the Annual Meeting of the Canadian Philosophical Association, Montréal, June 5.
- 2017 with Stefanie Blain-Moraes, David Rodriguez-Arias, Sebastian Sattler, and Eric Racine. "Ethical, Legal, and Social Challenges of Brain-Computer Interface: Comparing Expert and Public Perspectives." Annual Meeting of the American Society for Bioethics and Humanities, Kansas City, October 19-22.
- 2017 "Making and Governing Neural Life: Constitutional Dynamics in Neuroethics, Digital Discourses, and Brain-Computer Interfaces." Society for Social Studies of Science, Boston, Aug 30-Sept 1.
- 2017 "Neuroethics, Democracy, and the "Next Generation" of Bioethical Experts." Annual Meeting of the Science and Democracy Network, Boston, June 29-July 1.
- 2017 with Stefanie Blain-Moraes, David Rodriguez-Arias, and Eric Racine. "Ethical, Legal, and Social Challenges of Brain-Computer Interface: Comparing Expert and Public Perspectives." Annual Meeting of the Canadian Bioethics Society, Montreal, May 24-26.

- 2016 (invited) "Gray Matters through an International Lens." Neuroscience and Ethics Engagement: From Gray Matters to an NSF Engineering Research Center, UW Center for Sensorimotor Neural Engineering, November 4.
- 2016 with Eran Klein, Michelle Pham, Laura Specker Sullivan, Tim Brown, Paul Tubig, Raney Folland, and Sara Goering. "Neuroethics in Practice: Designing Principles for Neural Engineering Research." 2016 Annual Meeting, International Neuroethics Society, San Diego, November 10-11.
- 2016 "Reverse Boundary Work, Researcher Responsibility, and the Promise of Neural Technologies." Joint Meeting of 4S and EASST: Science & Technology by Other Means: Exploring Collectives, Spaces and Futures, Barcelona, ES August 31-September 4.
- 2016 "Philosophy of Science Undisciplined: Recovering Ethics and Politics with STS." 6th Biennial Conference of the Society for Philosophy of Science in Practice (SPSP), Rowan University, June 17-19
- 2015 "Technoscientific Practice vs. the Philosophical Imagination: Scientists' Responsibilities in the Context of Neural Engineering." 3rd Annual Graduate Student Workshop in Applied Philosophy: The Ethics of Emerging Technology, Bowling Green State University, November 6-7.
- 2015 "Social Science as the Measure of All Things: Prospects of a Sellarsian Perspective." Philosophy of the Social Sciences Roundtable, May 8-10. Seattle, WA.
- 2015 with Matthew D'Asaro. "The Publics of Neuroengineering" at Science and Its Publics: Conversations on Accountability, April 28, at the Harvard Program on Science, Technology, and Society, Cambridge, MA.
- 2015 "Publishing Technoscience in the 21st Century: Philosophical Perspectives," presentation for the Bioelectronics Group, Massachusetts Institute of Technology, February 13.
- 2014 "How Does Neuroethics Apply to Midstream Engineering Design?" Brain Matters! Vancouver: Brain Science and Social Responsibility, March 12-14, 2014, Vancouver, BC (conference talk)

Awards and Grants

- 2017 & 2018 IRCM Foundation Angelo-Pizzagalli Postdoctoral Fellowship
- 2016 Postdoctoral Mobility Travel Grant, Technical University of Munich
- 2016 University of Washington Presidential Graduate Fellowship

Professional Activities

- committees International Organizing Committee - 2nd Annual Workshop on Multi-Cellular Engineered Living Systems; [Human Practices Advisory Committee - iGEM \(International Genetically Engineered Machine Competition\)](#)
- journal referee *Philosophy of Science, BioSocieties, Neuron, Neuroethics, Social Epistemology, Social Science & Medicine, Disability and Rehabilitation*
- grant review Canadian Institutes of Health Research, National Science Foundation
- societies [Canadian Network for Science and Democracy](#) (co-founder), Society for Social Studies of Science (4S), Science and Democracy Network, Society for Philosophy of Science in Practice, Canadian Bioethics Society, American Society for Bioethics and Humanities

Courses Taught

SOLO COURSES

summer 2015 Phil102 Contemporary Moral Problems
spring 2014 Phil242 Medical Ethics

TEACHING ASSISTANT

winter 2014 Phil242 Medical Ethics
fall 2013 Phil120 Introduction to Logic
spring 2013 Phil240 Introduction to Ethics
winter 2013 Phil100 Introduction to Philosophy
2011-2012 Phil120 Introduction to Logic