

Matthew Sample

Postdoctoral Researcher

Neuroethics Research Unit
Institut de recherches cliniques de Montréal
110 Avenue des Pins Ouest | Montréal (QC)
Canada, H2W 1R7
Email: matthew.sample@ircm.qc.ca
Website: why.technology

Areas of Specialization

Neuroethics, Philosophy of Science and Technology

Areas of Competence

Feminist Epistemology, Science and Technology Studies

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
- 2010 BA, BS in Philosophy and Biology, University of Arkansas

Research Activities

- 2016-present Postdoctoral Researcher, Neuroethics Research Unit, IRCM | 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

- forthcoming "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.
- forthcoming Eric Racine and Matthew Sample. "Two Problematic Foundations of Neuroethics and Pragmatist Reconstructions." *Cambridge Quarterly of Healthcare Ethics*.
- under review 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*.
- 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." *AJOB Neuroscience* 3(04):46-48.

Talks

- 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

- 2017 IRCM Foundation Angelo-Pizzagali Postdoctoral Fellowship
 2016 University of Washington Presidential Graduate Fellowship

Professional Activities

- journal referee *Philosophy of Science, BioSocieties, Neuron, Philosophy of Social Science*
 grant review Canadian Institutes of Health Research, National Science Foundation

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