

MICHELLE T. PHAM

CURRICULUM VITAE

Center for Bioethics and Social Justice, Department of Medicine

College of Human Medicine

Michigan State University

phammic5@msu.edu

AREAS OF SPECIALIZATION: Neuroethics; Philosophy of Science; Social Epistemology

AREAS OF COMPETENCE: Bioethics; Feminist Philosophy

APPOINTMENTS

- 2022-present Assistant Professor, Center for Bioethics and Social Justice, College of Human Medicine, Michigan State University
- 2021-2022 Postdoctoral Research Fellow, Center for Bioethics, Harvard Medical School
- 2021 Postdoctoral Research Fellow, Center for Medical Ethics and Health Policy, Baylor College of Medicine
- 2020-2021 Postdoctoral Scholar, Department of Neurosurgery and David Geffen School of Medicine, University of California, Los Angeles

EDUCATION

- 2020 PhD, University of Washington (Philosophy)
- 2012 MA, University of Calgary (Canada) (Philosophy)
- 2010 BA, University of British Columbia (Canada) (History and Philosophy of Science)

PUBLICATIONS

Pham M.T., Campbell T.A., Dorfman N.J., Torgerson L., Kostick-Quenet K., Blumenthal-Barby J., Storch E.A., Lázaro-Muñoz G. (2023) "Clinician Perspectives on Levels of Evidence and Oversight for Deep Brain Stimulation for Treatment-Resistant Childhood OCD," *Journal of Obsessive-Compulsive and Related Disorders* (39) Oct: 100830. <https://doi.org/10.1016/j.jocrd.2023.100830>

Merner A.R., Kostick-Quenet K., Campbell T.A., **Pham M.T.**, Sanchez C.E., Torgerson L., Robinson J., Pereira S, Outram S, Koenig B.A., Starr P.A., Gunduz A., Foote K.D., Okun M.S., Goodman W., McGuire A.L., Zuk P., Lázaro-Muñoz G. (2023) "Participants' Perceptions of Changes in Psychological Domains Following Deep Brain Stimulation," *Brain Stimulation* 16(4): 990-998. <https://doi.org/10.1016/j.brs.2023.06.007>

Pham M.T., Pouratian N., Feinsinger A. (2022) "Engagement, Exploitation, and Human Intracranial Electrophysiology Research," *Neuroethics* 15 (3, Oct): 25. <https://doi.org/10.1007/s12152-022-09502-1>

Lázaro-Muñoz G.,* **Pham M.T.**,* Muñoz K.A., Kostick-Quenet K., Sanchez C.E., Torgerson L., Robinson J., Pereira S., Outram S., Koenig B.A., Starr P.A., Gunduz A., Foote K.D., Okun M.S., Goodman W., McGuire A.L., Zuk P. (2022) "Post-trial Access in Implanted Neural Device Research: Device Maintenance, Abandonment, and Cost," *Brain Stimulation* 15 (5): 1029-1036. <https://doi.org/10.1016/j.brs.2022.07.051>

*Co-first author

Pham M.T., Sample M., Dasgupta I., Goering S., Klein E. (2022) "Developing Ethical Guidelines for Implantable Neurotechnology: The Importance of Incorporating Stakeholder Input," In: Thakor N.V. (eds) *Handbook of Neuroengineering*. Springer, Singapore. https://doi.org/10.1007/978-981-15-2848-4_110-1

Goering S., Klein E., Specker Sullivan L., Wexler A., Agüera y Arcas B., Bi G., Carmena J.M., Fins J.J., Friesen P., Gallant J., Huggins J.E., Kellmeyer P., Marblestone A., Mitchell C., Parens E., **Pham M.**, Rubel A., Sadato N., Teicher M., Wasserman D., Whittaker M., Wolpaw J., and Yuste R. (2021) "Recommendations for Responsible Development and Application of Neurotechnologies," *Neuroethics* 14: 365-386. <https://doi.org/10.1007/s12152-021-09468-6>

Pham M., Goering S., Sample M., Huggins J.E., and Klein E. (2018) "Asilomar Survey: Researcher Perspectives on Ethical Guidelines for BCI Research," *Brain-Computer Interfaces* 5(4): 97-111.

Yuste R., Goering S., Bi G., Carmena J.M., Carter A., Fins J.J., Friesen P., Gallant J., Huggins J.E., Illes J., Kellmeyer P., Klein E., Marblestone A., Mitchell C., Parens E., **Pham M.**, Rubel A., Sadato N., Sullivan L.S., Teicher M., Wasserman D., Wexler A., Whittaker M., and Wolpaw J. (2017) "Four Ethical Priorities for Neurotechnologies and AI," *Nature* 551: 159-163.

Specker Sullivan L., Klein E., Brown T., Sample M., **Pham M.**, Tubig P., Folland R., Truitt A., and Goering S. (2017) "Keeping Disability in Mind: A Case Study in Implantable Brain-Computer Interface Research," *Science and Engineering Ethics* 24: 479-504.

Reviews and Commentaries

Pham M.T. and McCurdy J. (2023) "Who's Knowledge, Who's Liability?" *AJOB Neuroscience* 23(1): 41-43. <https://doi.org/10.1080/15265161.2022.2146804>

Pham M.T. and Lázaro-Muñoz G. (2022) "Trust in Neuroethics," *AJOB Neuroscience* 13(1): 33-35. <https://doi.org/10.1080/21507740.2021.2001088>

Pham M.T., Storch E.A., Lázaro-Muñoz G. (2021) "Testimonial Injustice: Considering Caregivers in Pediatric Behavioral Healthcare," *Journal of Medical Ethics* 47(11): 738-739. <http://dx.doi.org/10.1136/medethics-2021-107937>

Feinsinger A., **Pham M.**, Pouratian N. (2021) "The Value of Heterogeneity in Practices to Promote Ethical Research," *AJOB Neuroscience* 12(1): 80-82.

Pham M. (2017) "Essay Review of Miriam Solomon's *Making Medical Knowledge*," *Philosophy of Science*-84(2): 377-384.

Decision Aid

Pediatric Deep Brain Stimulation for Childhood Dystonia (2023)

<https://www.pediatricdbs.com/>

GRANTS, FELLOWSHIPS, AND AWARDS

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|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2023-2024 | Fellow, Community-Engaged Research Fellows Program, University of Outreach and Engagement, Michigan State University |
| 2015-2020 | Research Ethics Fellow, Neuroethics Thrust at the Center for Neurotechnology, University of Washington |
| 2016-2017 | Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship
- National Canadian governmental grant for one year of dissertation research |
| 2016 | Graduate Teaching Award, University of Washington, Department of Philosophy |
| 2015 | Melvin Radar Award, UW Department of Philosophy
- Summer grant for innovative philosophical projects – used to take part in PIKSI (see Relevant Professional Experience) |

PRESENTATIONS AND CONFERENCES (peer reviewed*)

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| Oct 2023 | Paper Presentation, "Clinician Perspectives on Levels of Evidence and Oversight for DBS for Treatment-Resistant Childhood OCD," American Society for Bioethics and Humanities, Baltimore, MD* |
| June 2023 | Poster Presentation, "Clinician Perspectives on Levels of Evidence and Oversight for DBS for Treatment-Resistant Childhood OCD," NIH BRAIN Initiative Meeting |
| April 2023 | Participant, The Ethical Significance of Super Soldiers, University of Pennsylvania (invited – discussion-based conference) |
| Nov 2022 | Poster Presentation (with Gabriel Lázaro-Muñoz et al), "Levels of Evidence: Clinician Perspectives on the Potential of DBS for Pediatric Patients with Treatment-Resistant OCD," |

International Neuroethics Society, Institut de recherches cliniques de Montréal (IRCM),
Montreal, Canada*

Poster Presentation (with Gabriel Lázaro-Muñoz et al), “Pediatric Deep Brain Stimulation for Dystonia: Patient and Caregiver Experiences,” International Neuroethics Society, Institut de recherches cliniques de Montréal (IRCM), Montreal, Canada*

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| Oct 2022 | Presenter (with Gabriel Lázaro-Muñoz et al), “Pediatric Deep Brain Stimulation for Dystonia: Patient and Caregiver Experiences,” American Society for Bioethics, Portland, OR* |
| Sept 2022 | Speaker, “Engagement, Exploitation, and Human Intracranial Electrophysiology Research”
Philosophy Department, Michigan State University (invited) |
| June 2022 | Poster Presentation (with Gabriel Lázaro-Muñoz et al), “Pediatric Deep Brain Stimulation for Dystonia: Patient and Caregiver Experiences,” NIH BRAIN Initiative Meeting |
| June 2022 | Poster Presentation (with Gabriel Lázaro-Muñoz et al), “Levels of Evidence: Clinician Perspectives on the Potential of DBS for Pediatric Patients with Treatment-Resistant OCD,” NIH Brain Initiative Meeting |
| June 2022 | Participant, “Horizon Scan on Artificial Intelligence & Performance Enhancement,” University of Massachusetts Lowell (invited) |
| Nov 2021 | Poster Presentation (with Gabriel Lázaro-Muñoz et al), “Continued Access in Experimental Deep Brain Stimulation Research: Researcher and Participant Perspectives,” International Neuroethics Society* |
| Nov 2021 | Speaker (with Ashley Feinsinger), “Engagement, Exploitation, and Basic Human Neuroscience Research,” International Neuroethics Society* |
| Oct 2021 | Speaker (with Ashley Feinsinger), “Engagement, Exploitation, and Basic Human Neuroscience Research,” Public Philosophy Network, George Mason University* |
| May 2021 | Speaker, “Social Roles in Scientific Collaboration,” Canadian Society for History and Philosophy of Science, University of Alberta, Canada* |
| Dec 2020 | Speaker (with Ashley Feinsinger), “Engagement, Exploitation, and Basic Human Neuroscience Research,” Center for Neurotechnology, University of Washington (invited) |
| Nov 2018 | Speaker (with Sara Goering), “Bioethics in a Neural Engineering Lab,” Symposium, Philosophy of Science Association, Seattle, WA (invited) |

Nov 2018	Poster Presentation, "Scientific Consensus and Climate Science Skepticism," Philosophy of Science Association, Seattle, WA*
Oct 2018	Commentator, "White Domination, Anti-Black Racism, and Recognition Wrongs" by Nikolas Maggos, Northwest Philosophy Conference, Bellevue College, Bellevue, WA
June 2018	Poster Presentation, "Is Joint Commitment a Good Model for Capturing Expert Scientific Consensus?" Society for Philosophy of Science in Practice, Ghent University, Belgium*
May 2017	Participant, "Ethical Guidelines for Neurotechnologies Workshop," Columbia University, New York, NY (invited)
Apr 2017	Commentator, "The Current State of Asian and Asian American Philosophers" American Philosophical Association - Pacific, Seattle, WA (invited)
Nov 2016	Participant, "Ethically Engaged Neural Engineering," The Joint Caucus of Socially Engaged Philosophers and Historians of Science, Philosophy of Science Association, Atlanta, GA*
Aug 2014	Speaker, "Scientific Consensus," Association for Feminist Epistemologies, Methodologies, Metaphysics, and Science Studies and the Canadian Society for Women in Philosophy, University of Waterloo, Canada*

TEACHING EXPERIENCE

Preceptor/Instructor, Michigan State University

2023-2024	Psychiatry Residence Seminar Simulation Navigating Controversy & Maintaining Trust
2022-2023	ASK V Difficult Conversations: Current Topics on Reproductive Medicine ECE Intersession 2: Health Systems Complexities and Patient Vulnerabilities Psychiatry Residence Seminar Simulation Ambiguous Genitalia Health Systems How to Give & Receive Written Feedback LGBTQIA+ Panel Spinal Cord Injury Panel

Instructor, Harvard Medical School

Bioethics 704: Neuroethics

Instructor, University of Washington

Phil 100 Introduction to Philosophy
 Phil 242 Medical Ethics

Teaching Assistant, University of Washington

Phil 100 Introduction to Philosophy (twice)
 Phil 102 Contemporary Moral Problems (twice)
 Phil 120 Introduction to Symbolic Logic
 Phil 160 Introduction to Philosophy of Science
 Phil 240 Introduction to Ethics (twice)
 Phil 242 Medical Ethics (twice)

SERVICE*Academic Conferences and Societies*

2023-2024 Program Committee, International Neuroethics Society (INS)

Center and College Service, Michigan State University

2023-2024 CHM Translational Neuroscience 1964 Project Search Committee
 2023-present CHM Early Mentors for Research Program (EMRP)
 2022-present BSJ Junior Faculty Writing Group Organizer
 2022 (fall) Neuroethics/Ethics Reading Group Organizer

Peer Reviewer

Conferences American Society for Bioethics and Humanities (ASBH)
 International Neuroethics Society (INS)

Grants NIH National Institute of Neurological Disorders and Stroke – Neurological Sciences and Disorders Study Section
 NIH National Institute of Neurological Disorders and Stroke – Special Emphasis Panel

Journals American Journal of Bioethics (AJOB) Neuroscience
 IEEE Transactions on Neural Networks and Learning Systems
 Medicina Historica
 Philosophy of Science

Center Service, Harvard Medical School

2021-2022 Neuroethics Undergraduate and Graduate Mentor
 2021-2022 Neuroethics Reading Group Organizer

Departmental Service, University of Washington

2018-2019 Placement Committee
 2017-2018 Curriculum Committee
 2014-2015 Graduate Colloquium Coordinator
 2013-2018 First-year Graduate Student Mentor

2013-2014 Department Climate Committee

RELEVANT PROFESSIONAL EXPERIENCE

- 2017-2020 Managing Editor, *Philosophy of Science*
- Monitored the progress of all submitted papers through all stages of the review process, worked as the Book Review and Essay Review Editor, and prepared five journal issues per year for publication at the University of Chicago Press
- 2018 Mentor, Research Experience for Undergraduates Program, Center for Neurotechnology
- Mentored a student over the summer on her project "Underrepresented: Assessing Inclusionary Practices in Neuroscience Research"
- 2015 Graduate Mentor, Philosophy in an Inclusive Key Summer Institute (PIKSI), Rock Ethics Institute, Pennsylvania State University
- Mentored students in an intensive summer program that aims to encourage members from underrepresented groups to pursue graduate studies in philosophy

PROFESSIONAL AFFILIATIONS

American Society for Bioethics and Humanities
Canadian Society for Women in Philosophy
International Neuroethics Society
Philosophy of Science Association
Philosophy of Science Association Women's Caucus

LANGUAGES

Vietnamese (fluent speaker, some reading)