

# Natalie Dorfman

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## EDUCATION

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**University of Washington, Seattle** Sep. 2023 – Present  
*Expected: PhD in Philosophy* Seattle, WA

**University of Massachusetts, Lowell** Aug. 2018 – Aug. 2021  
*Bachelor of Art in Philosophy, minor in psychology* Lowell, MA

- Major GPA: 4.0/4.0, overall GPA: 3.9/4.0
- Graduated from the Commonwealth Honors College, summa cum laude, with highest academic honors
- Thesis: Safety, Efficacy, and Trust: A Philosophy of Science Perspective on Machine Learning Gain-of-Function Virology Research
  - \* Advisor: Dr. Nicholas G. Evans

## WORK EXPERIENCE

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**Predoctoral Research Associate** | *Center for Neurotechnology; Seattle, WA* Sep. 2023 – Present

- Work under Dr. Sara Goering on grants studying deep brain stimulation (DBS)
- Research issues of trust in artificial intelligence (AI) and integration of AI into healthcare contexts

**Lead Research Assistant** | *Baylor College of Medicine; Houston, TX* Aug. 2021 – August 2023

- Lead Research Assistant under Dr. Jennifer Blumenthal-Barby on R01 neuroethics grant studying pediatric deep brain stimulation (pDBS)
- Oversee all coding and data analysis for pDBS grant. Responsibilities include coordinating and leading coding, engaging in primary data analysis, and delegating assignments to other research assistants
- Led development of decision aid for refractory dystonia patients considering deep brain stimulation intervention
- Assist in training all personnel on pDBS grant on coding and data analysis procedures
- Support various medical ethics projects under Dr. Blumenthal-Barby, including artificial intelligence, disorders of consciousness, and Greenwall Faculty Scholars psychiatric futility project
- Conduct literature reviews in order to synthesize scientific and philosophical arguments
- Responsible for data preparation, including gathering data, conducting interviews, and preparing data for analysis
- Engage in data analysis utilizing MAXQDA software to identify major themes and relevant stakeholder concerns
- Lead paper writing on various projects, including psychiatric futility, hope and disorders of consciousness, and pediatric deep brain stimulation

**Corps Member** | *City Year Boston; Boston, MA* Aug. 2017 – May 2018

- Completed over 1,800 hours of national service working in a Boston public school
- Worked in a 4th grade classroom with English Language Learners focusing on improving English language fluency and reading comprehension
- Responsibilities included working as a teacher's assistant, tutoring small groups of students, and assisting in full-class activities
- Provided after-school programming to at-risk 7th and 8th graders: Work included homework help and facilitating enrichment activities such as teaching American Sign Language

## RESEARCH

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### Papers

- **Natalie Dorfman** and Joel M. Reynolds, "The New Hysteria: Testimonial Injustice in Psychiatry" International Journal of Feminist Approaches to Bioethics
- **Natalie Dorfman...** Jennifer Blumenthal-Barby "The Impact of Hope and Unrealistic Optimism on Decisional Quality with Pediatric Deep Brain Stimulation" Neuroethics
- **Natalie Dorfman...** Brent Kious, "When suicidal patients don't respond to all known treatments: An exploration of psychiatrists' beliefs about futility" AJOB Neuroscience

- Jared Smith, **Natalie Dorfman**... J. S. Blumenthal-Barby "Adolescent OCD Patient and Caregiver Perspectives on Identity, Authenticity, and Normalcy in Potential Deep Brain Stimulation Treatment" Cambridge Quarterly of Healthcare Ethics
- Jennifer Blumenthal-Barby, Benjamin Lang, **Natalie Dorfman**... Kristin Kostick-Quenet, "Research on the Clinical Translation of Health Care Machine Learning: Ethicists Experiences on Lessons Learned" American Journal of Bioethics
- Kostick-Quenet, Kristin M., Benjamin Lang, **Natalie Dorfman**, and J. S. Blumenthal-Barby "A Call for Behavioral Science in Embedded Bioethics" (Perspectives in Biology and Medicine
- Kristin Kostick-Quenet, Benjamin Lang, **Natalie Dorfman**... Jerry Estep, "Integrating Personalized Risk Scores in Decision Making about Left Ventricular Assist Device (LVAD) Therapy: Clinician and Patient Perspectives" (Journal for Heart and Lung Transplantation)

### Conference Presentations

- Poster presentation: "Defining the Role of Caregivers in Implantable Brain-Computer Interface Research: A Scoping Review" BRAIN Initiative Annual Meeting 2024
- Poster presentation: "Adolescent OCD Patient and Caregiver Perspectives on Identity, Authenticity, and Normalcy in Potential Deep Brain Stimulation Treatment" BRAIN Initiative Annual Meeting 2023
- Paper presentation: "Coaxing out Consciousness: Views of Family Members of Patients with a Disorder of Consciousness," American Society for Bioethics and Humanities Annual Meeting, 2022
- Paper presentation: "Psychiatrist Perspectives on Psychiatric Futility," American Society for Bioethics and Humanities Annual Meeting, 2022
- Panel presentation: "Integrating Artificial Intelligence and Machine Learning into Healthcare: Lessons Learned from An Engaged Bioethics Project," American Society for Bioethics and Humanities Annual Meeting, 2022
- Paper presentation: "Evaluating how Quality of Life Assessments Detract from Effective Discourse about Mental Illness," American Society for Bioethics and Humanities Annual Meeting 2020