

## Statement of Interest

Through my time as a graduate student, postdoc and now faculty member, I have found my participation in the International Neuroethics Society to be invaluable, in terms of nurturing my scholarly interests in neuroethics and providing a community of people who have inspired and guided me in those interests. I have relished the opportunity to contribute to the work of the INS in recent years, co-chairing the Annual Meeting Program Committee, being a member (and then chair) of the Emerging Issues Task Force (EITF) and being a member of the Diversity and Inclusion Task Force. As part of the EITF, I helped organize a series of webinars on cutting-edge neuroethics topics for the INS. With the DITF, I helped organize events for the INS to address issues of justice and inclusion for our members. My work as a co-chair on the IEEE Brain Neuroethics Framework legal system working group and as a member of the ethics committee for the International Society for Psychiatric Genetics have deepened my appreciation for neuroethics engagement across different organizations and domains. My contributions in these areas show my commitment to broadening the neuroethics community, supporting neuroethics scholarship and engagement, and addressing issues of diversity, equity and justice in neuroethics. My interest in becoming a board member for the INS centers on continuing efforts to build the neuroethics community globally, provide support for neuroethics endeavors across different communities and domains, and strengthen the foundations for equity and justice work in our field of neuroethics.

## NICOLE MARTINEZ-MARTIN

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### EDUCATION

University of Chicago Department of Comparative Human Development, Ph.D

Harvard Law School, J.D.

Princeton University, B.A. Magna cum laude  
Anthropology and Latin American Studies

### PROFESSIONAL APPOINTMENTS

#### Academic Appointments

- 2020-current    Stanford Center for Biomedical Ethics  
Assistant Professor  
Dept. of Pediatrics, Stanford University, School of Medicine  
Secondary appointment in Dept. of Psychiatry
- 2016-2019     Stanford University, Center for Biomedical Ethics  
Postdoctoral Research Fellow
- 2012-2016     Stanford University, Thinking Matters Program  
Instructor  
Courses: Bioethical Challenges of New Technology; Reading the Body; Justice and the Constitution.
- 2008-2010     Chicago Kent College of Law  
Visiting Assistant Professor.  
Courses: Bioethics; Psychiatry & the Law; Legal Writing I & II

#### Other Employment

- 2006-2008     University of Chicago  
Faculty Intern - Self, Culture & Society. Introduction to Human Development.
- 2004-2006     Coordinated Aid and Referral Program for Legal Services, Chicago, Illinois  
Attorney
- 2001-2004     University of New Mexico Institute of Public Law, Albuquerque, New Mexico

## HONORS & SCHOLARSHIPS

2010 – 2012 Greenwall Fellowship in Bioethics; Berman Institute of Bioethics.

## SCHOLARLY PUBLICATIONS

### Peer-Reviewed Articles

**Martinez-Martin N**, Greely HT, Cho MK. Ethical Development of Digital Phenotyping Tools for Mental Health Applications: Delphi Study. *JMIR Mhealth Uhealth*. 2021;9(7):e27343. doi:[10.2196/27343](https://doi.org/10.2196/27343)

Martschenko D, **Martinez-Martin N**. What about Ethics in Design Bioethics? *Am J Bioeth*. 2021;21(6):61-63. doi:[10.1080/15265161.2021.1915415](https://doi.org/10.1080/15265161.2021.1915415)

**Martinez-Martin N**. Addressing COVID-19 Health Disparities & Latinidad. *Am J Bioeth*. 2021;21(3):98-99. doi:[10.1080/15265161.2020.1871115](https://doi.org/10.1080/15265161.2020.1871115)

**Martinez-Martin N**, Dasgupta I, Carter A, et al. Ethics of Digital Mental Health During COVID-19: Crisis and Opportunities. *JMIR Mental Health*. 2020;7(12):e23776.

**Martinez-Martin N**, Luo Z, Kaushal A, et al. Ethical issues in using ambient intelligence in health-care settings. *The Lancet Digital Health*. 2020;0(0).

**Martinez-Martin N**, Wieten S, Magnus D, Cho MK. Digital Contact Tracing, Privacy, and Public Health. *Hastings Center Report*. 2020;50(3):43-46.

**Martinez-Martin N**. Big Data, Corporate Surveillance and Public Health. *The American Journal of Bioethics*. 2020;20(10):79-81.

**Martinez-Martin N**, Magnus D. Privacy and ethical challenges in next-generation sequencing. *Expert Review of Precision Medicine and Drug Development*. 2019;4(2):95-104.

**Martinez-Martin N**, Insel TR, Dagum P, Greely HT, Cho MK. Data mining for health: staking out the ethical territory of digital phenotyping. *npj Digital Medicine*. 2018;1(1):68.

**Martinez-Martin N**, Kreitmair K. Ethical Issues for Direct-to-Consumer Digital Psychotherapy Apps: Addressing Accountability, Data Protection, and Consent. *JMIR Mental Health*. 2018;5(2).

**Martinez-Martin N**. What Are Important Ethical Implications of Using Facial Recognition Technology in Health Care? *AMA Journal of Ethics*. 2019;21(2):180-187.

**Martinez-Martin N**, Dunn LB, Roberts LW. Is It Ethical to Use Prognostic Estimates from Machine Learning to Treat Psychosis? *AMA Journal of Ethics*. 2018;20(9):804-811.

Berryessa CM, **Martinez-Martin N**, Allyse MA. Ethical, Legal and Social Issues Surrounding Research on Genetic Contributions to Anti-Social Behavior. *Aggress Violent Behav.* 2013;18(6).

#### Non Peer-Reviewed Journal Articles

Shearer E, **Martinez-Martin N**, Magnus D. Dimensions of Research-Participant Interaction: Engagement is Not a Replacement for Consent. *Journal of Law and Medical Ethics.* 2020;48(1):183-184. doi:[10.1177/1073110520917008](https://doi.org/10.1177/1073110520917008)

**Martinez-Martin N**, Char D. Surveillance and Digital Health. *The American Journal of Bioethics.* 2018;18(9):67-68.

**Martinez-Martin N.** Punishment and Rehabilitation in the Use of Neurointerventions for Criminals. *AJOB Neuroscience.* 2018;9(3):152-153.

**Martinez-Martin N.** The Biomedical Self and the Machine. *AJOB Neuroscience.* 2017;8(2):94-95.

**Martinez-Martin N.** Psychiatric Genetics in a Risk Society. *The American Journal of Bioethics.* 2017;17(4):1-2.

#### Book Chapters

**Martinez-Martin N.** AI for Mental Health: Addressing Justice and Bias. *Ethics of Artificial Intelligence in Brain and Mental Health.* (2021). Springer – Advances in Neuroethics Book Series.

**Martinez-Martin N.** Innovation in Medicine vs. Innovation in the Context of the Brain. *Ethics and Clinical Neuroinnovation.* (2021). Springer.

**Martinez-Martin N.** Chapter Three - Trusting the bot: Addressing the ethical challenges of consumer digital mental health therapy. In: Bárd I, Hildt E, eds. *Developments in Neuroethics and Bioethics.* Vol 3. Ethical Dimensions of Commercial and DIY Neurotechnologies. Academic Press; 2020:63-91.

#### Digital Publications

**Martinez-Martin N.** Navigating the Ethical Landscape of Digital Therapeutics. *Psychiatric Times.* Published August 9, 2021.

**Martinez-Martin N.** Facing Bias and Ethical Challenges in Facial Recognition Technology. *The Neuroethics Blog.* Published September 1, 2020.

David Magnus and **Nicole Martinez-Martin** (Feb. 2, 2016). In Embryo Research, We Need Laws First, Then Science. *Time Magazine.*

## Grants

- 2019 Funder: NIH/National Institute of Mental Health  
K01 MH118375-01A1  
Principal Investigator: Nicole Martinez-Martin  
Title: “Ethical, Legal and Social Implications in the Use of Digital Technology for Mental Health Applications”  
Term: 09/01/2019-08/31/2023
- 2018 Funder: Greenwall Foundation Making a Difference in Bioethics Grant  
Principal Investigator: Nicole Martinez-Martin  
Title: “Ethical, Legal and Social Implications of Digital Phenotyping”  
Term: August 1, 2018-12/31/2019

## Editorial Service

- 2014-present Book Review Editor, American Journal of Bioethics.
- 2018-current Peer Reviewer for npj Digital Medicine
- 2018-current Peer Reviewer for Bioethics
- 2019-current Peer Reviewer for AJOB Neuroethics

## University Administration Service

University of Chicago Task Force to Increase Diversity in the Social Behavioral Sciences, 2007-2009.

Chicago-Kent School of Law. Diversity Committee and Student Activities Committee, 2008-2010.

## Professional Memberships

American Society for Bioethics and Humanities, Member.  
International Society for Bioethics, Member.  
American Anthropological Association, Member.  
New Mexico State Bar. Admitted 2001.  
Illinois State Bar. Admitted 1999.

## Professional Organization Contributions

International Neuroethics Society. Diversity & Inclusion Task Force. 2020-21.

American Society for Bioethics & Humanities. Category Lead for Diversity & Inclusion Abstract Submissions for 2021 Annual Meeting.

International Society for Psychiatric Genetics, Ethics Committee 2019-current

IEEE Brain. Co-Chair of Working Group on Ethical Guidance for Neurotechnology in the Legal System. 2020-21.

International Neuroethics Society. Program Committee for Annual Meeting. 2020 & 2021.

## CONFERENCE PRESENTATIONS

### Invited Presentations

Fairness and Bias in Digital Phenotyping. Digital Symposium: Petrie Flom Center. January 2021.

Ethics of Digital Phenotyping. Public Responsibility in Medicine and Research. Advancing Ethical Research 2020 Virtual Conference. December 17, 2020

Bias & Fairness in Digital Phenotyping. McLean Center Technology in Psychiatry Series. October 30, 2020.

Ethics of Consumer Neurotechnology. International Neuroethics Society Annual Meeting. October 23, 2020.

Trust and Digital Mental Health Technology. International Neuroethics Society Annual Meeting. October 20, 2019.

Decoding Digital Minds. International Neuroethics Society Annual Meeting. San Diego, California. November 1, 2018.

Ethics of Wearables. Stanford eWEAR Student Symposium. Stanford, California. September 13, 2018.

Data Mining and Young Minds: Ethical and Social Implications of Digital Phenotyping and Genetic Testing for Behavioral Risk Prediction. NHGRI Career Development Conference. Los Angeles, California. March 19, 2018.

The Ethics of Cognitive Enhancement. Stanford Students in Biodesign MEDx Conference. Stanford, California. May 2, 2015.

### National and Regional Meetings

Fairness and Access in Digital Mental Health Technology. American Society for Bioethics and Humanities Annual Meeting (virtual). October 26, 2020.

Bias and Inclusion in Digital Phenotyping Research, International Society for Psychiatric Genetics, Annual Meeting (virtual). October 16, 2020.

Ethics of Digital Phenotyping, International Society for Psychiatric Genetics, Los Angeles, California, October 28, 2019.

Ethics of Digital Phenotyping, American Society for Bioethics and Humanities, Pittsburgh, Ohio, October 23, 2019.

Trust and Ethics of Digital Phenotyping, International Neuroethics Society, Chicago, Illinois, October 17, 2019.

AI in Health Care. American Society for Bioethics and Humanities. Anaheim, California. October 19, 2018.

Ethical, Legal and Social Implications of Digital Phenotyping. American Society for Bioethics and Humanities – Neuroethics Group. October 18, 2018.

Neuroprediction: Ethical and Legal Issues in Using Neuroscience, Genetics and Digital Phenotyping to Predict Adolescence Behavior. American Society for Bioethics and the Humanities. Kansas City, Kansas. October 20, 2017.

Smile and Say Genes!: Ethics of Facial Recognition Technology for Medical Diagnoses. American Society for Bioethics and the Humanities. Kansas City, Kansas. October 20, 2017.

Community and the Brain. Poster Presentation. International Neuroethics Society. San Diego, California. November 10, 2016.

Towards Non-Reductive Use of Neuroscience Technology. Panel Presentation. American Society for Bioethics and Humanities. Washington, DC. October 8, 2016.

Ethics of Use of Mobile Mental Health Technology. Individual Presentation. American Society for Bioethics and Humanities. Washington, DC. October 8, 2016.

Mad and Dangerous: Use of Neuroscience in U.S. Criminal Courts. Individual Presentation. American Anthropological Association Annual Meeting. Denver, Colorado. November 19, 2015.

Bad and Dangerous: Neuroscience in U.S. Criminal Courts. Poster presentation. American Society for Bioethics and Humanities. Houston, Texas. October 23, 2015.

Bad and Dangerous: Neuroscience in U.S. Criminal Courts. Poster and Individual Presentation. International Society of Neuroethics. Chicago, Illinois. Selected as one of the top 5 abstracts for the conference. October 15-16, 2015.

Of Treatment and Punishment: Neuroscience and Mentally Ill Criminal Offenders. Poster Presentation. International Neuroethics Society Annual Meeting, Washington D.C. November 13, 2014.

Neuroscience, Crime and Social Responsibility. Poster presentation. American Society for Bioethics and Humanities. San Diego, California. October 17, 2014.

Neuroscience and the Question of Responsibility. Individual Presentation. Law & Society Annual Conference. Minneapolis, Minnesota. May 30, 2014.

Neuroscience, Law and Social Responsibility. Individual Presentation. Vancouver Brain Matters Conference, National Core for Neuroethics. March 14, 2014.

### Community Service

Bowman Community Association. Co-Chair; 2018-2019. Room Parent; 2017-2019. Coordinate volunteer projects, community building and fundraising.

Center for Conflict Resolution, Chicago, Illinois, 2007-2010. Volunteer mediation services in Cook County Courts; adult and juvenile mediation (Certified mediator by Illinois Center for Conflict Resolution and the New Mexico Center for Conflict Resolution programs).

Center for Economic Development, Chicago, Illinois - Board of Directors. 2008-2010.

New Mexico Center for Dispute Resolution, Santa Fe, New Mexico. Mediator in the Santa Fe Public Schools Mediation Project. 2001-2003.