

# Aramis D. M. Valverde, M.S.

---

**Address:** Chevy Chase, Maryland USA    **Patent Bar Eligible:** Category B - Option 4  
**Email:** aramis.d.m.valverde@nyu.edu    **Telephone:** 1-415-797-7358    **Languages:** English, Spanish, Intro. Korean  
**Website:** admvalverde.com    **LinkedIn:** [linkedin.com/in/admvalverde](https://linkedin.com/in/admvalverde)    **Citizenship:** USA

---

## EDUCATION

---

<b>American University:</b> Washington College of Law <i>J.D. - Doctor of Jurisprudence - Candidate</i>	Expected: Spring 2028
<b>New York University:</b> School of Global Public Health <i>M.A. - Master of Arts in Bioethics</i> Cumulative & Major GPA: <b>3.91</b>	Expected: Fall 2025
<b>University of California, Merced:</b> School of Social Sciences, Humanities, & Arts <i>M.S. - Master of Sciences in Cognitive and Information Sciences</i> Thesis: <i>Outlining the Diverse Etiologies of Autism Spectrum Disorder</i>	Fall 2020-Spring 2022
<b>San Francisco State University:</b> College of Science & Engineering & College of Liberal & Creative Arts <i>B.A. &amp; B.A. - Bachelor of Arts in Psychology &amp; Bachelor of Arts in Philosophy</i>	Fall 2015-Spring 2020

## EXPERIENCE

---

<b>New York University Washington Square: School of Global Public Health.</b> 2024-2025. Manhattan, NY. <i>Graduate Researcher:</i> 2024-Present	
The Policy and Neuroscience of Death by Neurological Criteria	
<ul style="list-style-type: none"><li>- Investigated the etiology and neurology of post-cardiac arrest brain-death and applied findings to clinical case studies.</li><li>- Developed a framework for understanding death in a post-ECMO context, advocating for a brain process-based approach.</li><li>- Provided policy and administrative recommendations, advocating for increased neurological screening of cardiac-resuscitation patients and scientifically stringent brain death declaration criteria.</li></ul>	
Neural and Biochemical Mechanisms of Serotonergic Compounds	
<ul style="list-style-type: none"><li>- Analyzed biochemical mechanisms underlying the effects of LSD, including biochemically based proposal for understanding the lack of serotonin syndrome peculiar to LSD and other hallucinogens and led ongoing validation collaboration.</li><li>- Applied biochemical findings to understand and predict neural-network level responses to LSD.</li><li>- Produced and presented findings at conferences at the University of Tokyo and New York University.</li></ul>	
<b>New York University Langone: Grossman School of Medicine: Dept. of Environ. Medicine.</b> 2024-Present. Manhattan, NY <i>External Research Collaborator under Dr. Judith Zelikoff &amp; Dr. Claudia Passos-Ferreira:</i> 2024-Present	
<ul style="list-style-type: none"><li>- Collaborated with NYU Langone Researchers, Voice of Gowanus, and Friends of Greater Gowanus on community-engaged environmental-health work around the Gowanus Canal Superfund site.</li><li>- Synthesized toxicology and chemical exposure literature to produce a community-driven health-needs survey.</li><li>- Developed all protocol and materials for survey, NYU Washington Square IRB pending approval.</li></ul>	
<b>APA DIV 24: The Society for Theoretical and Philosophical Psychology.</b> 2023-Present. Global <i>Membership Committee Chair:</i> 2023-Present	
<ul style="list-style-type: none"><li>- Proposed, received funding for, and executed a drive to increase membership among multiple demographics.</li><li>- Worked to increase funding and opportunities such as travel grants for underserved and early career scholars.</li><li>- Overhauled and redesigned marketing and branding, developing and implementing a new logo and stylebook.</li></ul>	
<b>CERC Collaboratory: California Environmental Research and Communication Collaboratory.</b> 2021. Merced, California <i>Co-Founder:</i> 2021-2022	
<ul style="list-style-type: none"><li>- Assessed environmental hazards and health impacts, leading to a community awareness initiative and public advocacy.</li><li>- Developed protocol under guidance from NASA's USRA and NAMS projects, subsequently pursued independently with periodic consultation from NASA program leadership during project development.</li></ul>	
<b>Computational Cognitive Neuroscience Laboratory.</b> 2020-2022. University of California, Merced <i>Research Assistant:</i> 2020-2022	
<ul style="list-style-type: none"><li>- Developed a model of relational and object representation, and work using network simulations of mechanisms at the microscale to simulate perceptual differences in ASD at the network and meta-network level.</li></ul>	

---

## SELECTED CONFERENCE PRESENTATIONS

---

Valverde, A. D. M. (2025, July 7<sup>th</sup>). *Perception as Iterative Global State Evaluation & Integration – A Process Based Neurocognitive Approach*. [Concurrent Presentation] The Science of Consciousness Conference, Center for Consciousness Studies, University of Arizona: Barcelona, Spain.

Valverde, A. D. M. (2024, October 21<sup>st</sup>). *Bio-Chemical Mechanisms of LSD Function and Changes in Perceptual Processing*. [Poster Presentation] New York University Minds, Brains, and Machines Initiative: 2<sup>nd</sup> Minds, Brains, and Machines Poster Conference, Center for Data Science, New York University: New York City NY, USA.

Valverde, A. D. M. (2024, July 4<sup>th</sup>). *Neural Mechanisms of Temporal Perception: A Function-First Neural Architecture Approach to Operationalizing Time-Perception*. [Satellite Presentation] Association for The Scientific Study of Consciousness Conference ASSC27, Hongo Campus, The University of Tokyo: Tokyo, Japan.

Valverde, A. D. M. (2022, September 9<sup>th</sup>). *Explaining conscious report: a functional, mechanistic, and directed-hypergraph neural systems framework*. [Paper Presentation] Association for Mathematical Consciousness Science: Models of Consciousness 3 [MOC3], Stanford University: Stanford CA, USA.

Valverde, A. D. M. & Barreras III, Cesar A. (2022, August 12<sup>th</sup>). *Neuroplasticity, Epigenetics, and The Environment: A Systems and Neurobiological Approach to Processing & Community Health*. [Paper Presentation] Templeton Foundation: Diverse Intelligences Summer Institute: Uni. of St Andrews: Saint Andrews, Scotland.

Valverde, A. D. M. (2022, July 31<sup>st</sup>). *Information Processing as Cognition: The Utility of Neural-Derived Directed Hypergraph Structures in Explaining Representational Processing*. [Podium Presentation] Templeton Foundation: Diverse Intelligences Research Summit: University of St Andrews: Saint Andrews, Scotland.

Valverde, A. D. M. (2016, February). *Political Knowledge, Voting Behavior, Social Media Usage, and Susceptibility to Misinformation: Results from a Hybrid Survey & Experimental Study*. [Undergraduate Invited Podium Presentation] American Politics, San Francisco State University: San Francisco CA, USA.

---

## TEACHING ASSISTANTSHIPS

---

NYU - GPH-GU 2222: Ethics and Clinical Practice	Fall 2024
UCM - PHIL 001: Introduction to Philosophy	Spring 2022
UCM - COGS 177/PHIL 173: Consciousness in Philosophy and Cognitive Science	Fall 2021
UCM - POLI 130: Institutions of Democracy	Spring 2021
UCM - PHIL 003: Applied Ethics	Fall 2020

---

## EXPERTISE AND COMPETENCIES

---

**Software:** R, MATLAB, Jamovi, Java, SIMBRAIN, EMERGENT, CSS, Photoshop, Office Suite.

**Research Specializations & Interests:** Neural Computation, Pharmacology/Toxicology, A.I. Models, Visual Processing, Neural Architectures, Systematicity and Evolving Systems, Neural Bio-Chem. Systems Processing, Neural and Chemical Precipitants of Cognitive Disorders [ASD], Env. Factors in Neural Processing and Dev., Phil. of Mind, Computational Cognitive Neuroscience.

**Professional Skills:** Statistical Methods, Statistical Graphics, Large Dataset Analysis, Exploratory Data Analysis, Neural Systems Analysis, Electrophysiological Methods, Interdisciplinary Team Building, Event Management, Translation of Technically Dense Books: Korean to English, Spanish-English Translation: P1 Certified (Clinical Non-Technical).

---

## SELECTED AWARDS & GRANTS

---

<b>Fellowship Recipient:</b> NYU GPH Bioethics Fellowship (\$20,000.00)	2024 & 2025
<b>Cognitive and Information Sciences Fellow:</b> Diverse Intelligences Summer Institute	2021 & 2022
<b>Honorarium Recipient:</b> Templeton Foundation: DISI (\$1,250.00) & (\$3,450.00)	2021 & 2022
<b>Dean's List</b>	2016, 2019 & 2020
<b>Co-Awardee:</b> Privacy Financial Hack Challenge SF State Hackathon	2017

---

## PROFESSIONAL MEMBERSHIPS, SERVICE, & CLUBS

---

Society for Theoretical and Philosophical Psychology: <b>Membership Committee Chair</b>	2023-Present
Society for Theoretical and Philosophical Psychology: <b>Membership Committeeperson</b>	2021 & 2022
Sigma Xi (Scientific Research Honors Society): <b>Associate Member</b>	2025-Present
Oxford Math of Consciousness and Applications Network - OMCAN: <b>Member</b>	2022-Present
Cognitive Neuroscience Society: <b>Student Member</b>	2020-Present
Doctors Without Borders at San Francisco State: <b>Officer &amp; Treasurer &amp; Fundraiser</b>	2017-2019
San Francisco State University Speech and Debate: <b>Novice &amp; Open Lincoln-Douglass Competitor</b>	2015-2017
Korea-Cambodia STEM Teacher Workshops in Phnom Penh: <b>Instructor &amp; Assistant</b>	2017