MONICA LOPEZ, PHD

EDUCATION

2022 **INDEPENDENT DIRECTOR INITIATIVE CERTIFICATE**
Independent Director Initiative, VC University and University of California, Berkeley School of Law

2022 **ARTIFICIAL INTELLIGENCE POLICY CERTIFICATE**
Center for AI and Digital Policy, Washington, D.C.

2020 **GRADUATE CERTIFICATE IN INTERNATIONAL STUDIES**
Paul H. Nitze School of Advanced International Studies, Johns Hopkins University

2010 **PHD COGNITIVE SCIENCE**
Krieger School of Arts & Sciences, Johns Hopkins University

2009 **CERTIFICATE OF ART: PHOTOGRAPHY**
Maryland Institute College of Art

2007 **MA COGNITIVE SCIENCE**
Krieger School of Arts & Sciences, Johns Hopkins University

2005 **BA PSYCHOLOGY AND FRENCH (DOUBLE MAJOR)**
Krieger School of Arts & Sciences, Johns Hopkins University

PROFESSIONAL EXPERIENCE

– INDUSTRY POSITIONS –

PRIVACY OFFICER, COMPLIANCE & ETHICS DEPARTMENT; VHC HEALTH; 2025 - present

- Oversee compliance with healthcare privacy regulations, including the Health Insurance Portability and Accountability Act (HIPAA) and applicable state laws across the hospital.
- Monitor access to protected health information (PHI) and enforce minimum necessary use standard.
- Manage and investigate privacy incidents and data breaches; lead mitigation and reporting processes. Ensure proper handling, storage, and disposal of sensitive patient data.
- Advise leadership on privacy risks and regulatory changes.
- Train and educate staff on data privacy practices, confidentiality, and regulatory requirements through monthly presentations and workshops across departments.
- Serve as the primary point of contact for patient privacy concerns and complaints; support patient rights processes, including access, amendment, and restriction requests.
- Collaborate with IT and CyberSecurity teams to ensure safeguards for electronic health records (EHR), including EHR systems.
- Lead Artificial Intelligence (AI) Working Group to develop and implement hospital AI Policy and AI Governance Framework for AI-enabled systems across the hospital.
- Develop AI system model cards for implemented AI-enabled systems; collaborate with IT to track and monitor AI-enabled systems with updates and changes.
- Present to Board of Directors along with Legal and Risk Management leadership during quarterly Board meetings.

Co-Founder & CEO, Cognitive Insights for Artificial Intelligence; 2021 - present

- Provide strategic vision and leadership for innovative business-driven solutions in the safe adoption, design, development, deployment, and management of digital and emerging technologies and artificial intelligence (AI)-enabled systems.
- Conduct AI-related policy research related to system transparency, safety frameworks, benchmarks and evaluation metrics, and model auditability.
- Provide thought leadership across various forums nationally and internationally on applied Human-Centered Design and AI Risk Management and Ethics issues related to digital and emerging technologies and AI policy and governance.
- Identify and work with for-profit, nonprofit and civil society partners in the AI-enabled Autonomous Systems, Autonomous Vehicles industries, Healthcare and Biotechnology, Cybersecurity and Finance, as well as in the Intellectual Property domain to operationalize AI risk management.
- Collaborate with customers on business strategy and implementation of AI-enabled products and services.
- Develop and write client-focused AI product/service risk management reports and facilitate related workshops.
- Provide recommendations on new laws, norms, and standards to advance Human-Centered and Responsible AI to the United States and international government agencies, as well as intergovernmental organizations.

Senior Policy Expert, Holistic AI; 2023 - 2023

- Integrate Artificial Intelligence (AI) policy for AI Governance, Risk Management, and Regulatory Compliance for product development across different industries.
- Identify and advise multiple stakeholders across different sectors developing and/or utilizing AI-enabled systems.
- Write blog posts and hold public webinars related to emerging AI regulatory regimes across the United States, United Kingdom, European Union, and worldwide.
- Provide policy recommendations related to AI to the United States government agencies, as well as intergovernmental organizations.

Co-Founder, CEO & Chief Science Officer, La Petite Noiseuse Productions; 2014 - 2020

- Worked worldwide one-on-one with for-profit and nonprofit clients to improve their organizational goals by combining their domain knowledge and business problems with our human cognition and behavior knowledge and research and data analytics (qualitative and quantitative) expertise.
- Designed, executed, and presented innovative research in human creativity and intelligence to inform best AI-enabled technology product development, business and data management practices, public education, and program evaluation and policy reform.
- Led strategic projects for growth of company.
- Identified, negotiated, and interacted with a range of stakeholders from the Autonomous Systems, Autonomous Vehicles, Healthcare and Biotechnology, Cybersecurity, Entertainment, and Education industries.
- Managed a team of early to mid-career professionals from diverse backgrounds across multiple projects.
- Designed and managed company's branding and marketing strategies.

• Identified and developed short- and long-term sustainable funding strategies.

Executive Director of Business Development, Novodux; 2017 - 2020

• Led business development initiatives to advance Oncology drug development.

• Participated in development of company's business plan and presentations, product evaluation and commercial analysis, data management, analyses and evaluations supporting relevant licensing opportunities.

• Convened strategic partnering activities with multiple stakeholders in various languages (i.e. English, French, Spanish).

Workshop Instructor, Electronic Imaging Symposium Short Courses, Society for Imaging Science and Technology (IS&T); 2018 - 2020

• Created and held original interdisciplinary workshop titled *Using Cognitive and Behavioral Sciences and the Arts in Artificial Intelligence Research & Design*.

• Taught engineering R&D and executive mid and late-career professionals at the annual International Symposium on Electronic Imaging in San Francisco, California.

Director of Business Development, Valens Therapeutics, Inc.; 2008 - 2014

• Led business development initiatives to advance Oncology drug process and product development.

• Participated in development of company's intellectual property, market trend analyses, product evaluation and commercial analysis, and data management.

• Convened strategic partnering activities with multiple stakeholders in various languages (i.e. English, French, Spanish).

Freelance Translator, IMA World Health; 2013

• Translated official organization public health documents from written English to written Spanish.

GGI Brain Awareness Fellow, George Greenstein Institute, Inc.; 2011 - 2012

• Created, developed and taught online lab *Vision & the Brain: Design Thinking with the Brain in Mind* for general audiences.

• Addressed the neuroscience of design thinking as applied to technology and brain health.

• Organized promotional and public engagement strategies for non-technical audiences.

Intern, Boston Life Sciences, Inc.; 2004 - 2007

• Supported execution of projects in company operations, production laboratory, and business development.

– ACADEMIC POSITIONS –

Fellow By Courtesy; Center for Leadership Education, Whiting School of Engineering, Johns Hopkins University; 2025 - Present

• Honorary affiliation granted to contribute to the department's research and academic community.

Faculty Lecturer, Engineering for Professionals - Artificial Intelligence Master's Program, Whiting School of Engineering, Johns Hopkins University; 2021 - Present

- Develop and teach interdisciplinary course –*Cognitive and Behavioral Foundations for Artificial Intelligence (AI)*– on the application of behavioral science and cognitive neuroscience to the development of artificial intelligence-based systems.
- Advise graduate students in the AI Master's Program in AI research.

Faculty Joint Appointment in Neurology - Division of Cognitive Neurology, Department of Neurology, Johns Hopkins University School of Medicine; 2019 - Present

- Develop innovative cross-disciplinary research collaborations with faculty for novel AI-based healthcare applications.

Full Time Teaching Professor, Center for Leadership Education, Whiting School of Engineering, Johns Hopkins University; 2025 - 2025

- Developed and taught interdisciplinary Artificial Intelligence, Innovation and Business Strategy courses: *Artificial Intelligence Project Management*, *Innovation & Design*, *Strategies for Innovation & Growth*.
- Mentored graduate students on science and technology-business leadership and policy careers.

Curriculum Developer, Academic Director and Capstone Director, Georgetown University School of Continuing Studies; 2023 - 2025

- Developed, taught and lead one week summer academy (July/August) on *Artificial Intelligence* for the Summer Programs for High School Students.

Full Time Teaching Faculty, Computer Science, Whiting School of Engineering, Johns Hopkins University; 2022 - 2025

- Developed and taught interdisciplinary Artificial Intelligence Ethics and Global Policy and Governance course: *The Ethics of Artificial Intelligence and Automation*.
- Mentored undergraduate students on science and technology–policy careers.

Faculty Lecturer, School of Advanced International Studies (SAIS), Johns Hopkins University; 2022 - 2024

- Developed and taught interdisciplinary global policy and governance course on *Artificial Intelligence: The Science, Ethics, and Politics* for the Master of Arts in International Relations Program.
- Mentored graduate students in science and technology-policy careers and AI and emerging technology policy research.

Lecturer, Executive Education, Carey School of Business, Johns Hopkins University; 2022 - 2023

- Developed online Executive Education course at the intersection of Artificial Intelligence (AI), Ethics, Global Policy and Business Management: *Artificial Intelligence Ethics for Business*.
- Developed and taught webinars at the intersection of AI, Ethics and Business Management: *Fact vs. Fiction: What's AI and how to leverage its power*; *Ethical AI: Why it matters for your business*.

Senior Lecturer, Department of Cognitive Science, Krieger School of Arts & Sciences, Johns Hopkins University; 2019 - 2023

- Developed and taught interdisciplinary STEMM courses at the intersection of the Autonomous Systems, Brain, Behavioral, Cognitive, Data and Health Sciences with Ethics and Public Policy.
- All courses utilized experiential and practice-based learning methods resulting in product deliverables for social impact (e.g. research proposals and papers, policy reports, multimedia products).
- Taught undergraduates and graduates across various programs and departments.
- Advised and mentored undergraduate and graduate students.

Committee Member & Session Chair, Human Vision and Electronic Imaging; 2015 - 2021

- Reviewed and selected submitted conference manuscripts and speakers to the annual Society for Imaging Science and Technology (IS&T) International Symposium on Electronic Imaging's *Human Vision & Electronic Imaging* conference.
- Participated in conference organization meetings with committee members.
- Co-chaired new symposium on *Art & Perception* within imaging technology in 2016 and 2017.

Subject Editor, Social Sciences & Humanities Open (SSHO) Journal, Elsevier, Oxford, UK; 2020 - 2021

- Responsible for the peer review process of submitted manuscripts from across the world within the area of the Cognitive and Social Sciences.
- Selected and invited researchers from across the world in academia and industry to review submitted manuscripts.
- Made final decisions on manuscripts for open-access publishing.
- Managed the peer review database platform.

STEAMM Research Mentor, Department of Neurology, Johns Hopkins University School of Medicine ; 2016 - 2016

- Served as a STEAMM research advisor in the Department of Neurology for the annual Johns Hopkins Internship in Brain Science (JHIBS).
- Advised high school students in the areas of industry practices across the brain sciences as well as research design and analysis methods and science communication.

Postdoctoral Research Fellow - Department of Otolaryngology: Head and Neck Surgery, Johns Hopkins University School of Medicine; 2010 - 2013

- Designed, executed and published original cognitive neuroscience and psychology research on the behavioral processes and neural correlates of musical creativity.
- Used a variety of behavioral, physiological and brain measures (i.e. functional magnetic resonance imaging (fMRI)) and techniques.
- Presented research at multiple national and international forums.
- Created and managed multiple experimental projects while supervising, mentoring and coaching a team of undergraduates, graduates, and other laboratory members.

FELLOWSHIPS, ADVISING, & COLLABORATIVE RESEARCH

Artificial Intelligence (AI) Expert, GPAI - The Global Partnership on Artificial Intelligence; January 2024 - Present

- Work with the GPAI community to bridge the gap between theory and practice on AI.
- Contribute to projects of the Responsible AI working group and attend Expert Working Group meetings.
- Participate in projects of the advisory committee to shape direction of projects, review research, and contribute to its deliverables, including reports.
- Make recommendations on themes to be addressed by the Multi-stakeholder Experts Group Plenary.
- Oversee the production of reports and other materials as requested by the Co-Chairs.

Senior Executive Fellow, The Digital Economist; September 2024 - September 2025

- 2024-2025 Executive Fellowship Program.
- Member of the Tech Policy Working Group and Applied AI Working Group to devise tangible policy solutions with a global community of leaders dedicated to solving the world's most urgent technology and climate challenges.
- Participate in weekly working group meetings and in conferences and summits sponsored by The Digital Economist as speaker and panelist.
- Participating delegate and speaker at World Economic Forum 2025, Davos, Switzerland.

Member, Division of Clinical Informatics (DCI), Beth Israel Deaconess Medical Center, Harvard and American Medical Informatics Association (AMIA) *Blueprints for Trust: Best Practices and Regulatory Pathways for Ethical AI in Healthcare* Conference Working Group; September 2023 - September 2025

- Working group participant at inaugural *Blueprints for Trust* conference in Boston, MA.
- Working group member generating multiple academic articles, an overview paper and healthcare policy white paper.
- Participate in research and writing in the following focal areas: *AI in Clinical Decision Support*, *AI in Real-World Evidence*, and *AI for Patients*.
- Participate in weekly group research and writing discussions.

Research Assessment Member, Forum on Information & Democracy; November 2023

- Member of Research Assessment Panel on Artificial Intelligence (AI) and Data Governance.
- Participate in research to produce various chapters for final cross-disciplinary research policy report on behalf of the Forum on Information & Democracy's Observatory.

Fellow, Special Expert Invitee, Content Contributor and Session Moderator, Salzburg Global Seminar, Salzburg, Austria; May 2024

- Fellow and Special Expert Invitee, Speaker and Session Moderator, *'Creating Futures: Art and Artificial Intelligence for Tomorrow's Narratives'*
- Content contributor to topics addressed including AI, creativity, art and emerging technologies in challenging entrenched narratives and imagining more just and equitable futures.

Fellow, Special Expert Invitee, Content Contributor and Session Moderator, Salzburg Global Seminar, Salzburg, Austria; October 2023

- Fellow and Special Expert Invitee, Speaker and Session Moderator, *'Promise or Peril? Artificial Intelligence and the Future of Corporate* Governance', Corporate Governance Forum, Salzburg, Austria
- Content contributor to topics addressed including AI, Governance and Regulation; AI's function and utility in corporate governance; Managing the societal challenges of AI.

Research Fellow, Sandra Day O'Connor College of Law, Arizona State University Center for Law, Science & Innovation, March 2023 - December 2023

- Research project awardee to build, write and publish novel research project on the development of soft law for AI-enabled digital health applications.
- Participated in monthly project discussions.
- Presented workshop and research paper to relevant stakeholders in Washington, D.C.

Fellow, The Independent Director Initiative, UC Berkeley School of Law, Berkeley, CA, August 2022

- Participant in the inaugural Independent Director Initiative for corporate executives and experienced professionals invited to serve on boards of venture backed private companies.

AI and Digital Policy Researcher, CAIDP - Center for AI and Digital Policy, Washington, D.C.; 2021 - 2022

- Research member in the *AI Policy Clinic* covering topics on United States and international AI policy analysis, research, and evaluation. Participated in biweekly meetings, writing reports, and other CAIDP activities. Earned the *Artificial Intelligence Policy Certificate with distinction*.

Fellow, Salzburg Global Seminar, Salzburg, Austria; 2021

- Fellow for *'2021 Salzburg Global Corporate Governance Forum - Responsible Leadership: How do we make businesses more accountable?'*. Participant in various webinars across three days discussing the current state and future of corporate governance from the legal, finance, and management perspectives.

Fellow, Salzburg Global Seminar, Salzburg, Austria; 2021

- Fellow for *'2021 American Studies Program'*. Participant in various webinars and week-long ideation and project-building activities addressing the future of democracy. Topics included: *The President, the Press, and the People: American History, American Culture, American Politics,* and *American Business'*.

Fellow, Speaker and Panelist, Salzburg Global Seminar, Salzburg, Austria; 2018

- Speaker and panelist at the 2018 'Board of Directors Weekend: *Who's Afraid of Artificial Intelligence?*'. Presented to the Board the power and limits of AI-based technologies and their impact on the global economy and our welfare as humans.
- Fellow for Session 593 - '*The Shock of the New: Arts, Technology and Making Sense of the Future*'. Participant in week-long ideation and project-building activities addressing the future role of technology and the arts.

SELECTED RECOGNITIONS

• **2023** - Award for ***Soft Law's Application to Artificial Intelligence (AI) in Healthcare***, Sandra Day O'Connor College of Law, ASU Center for Law, Science & Innovation. Research paper title: ***Reevaluating Human Values in Mobile Digital Health Technology for Patient Care in the Age of AI***.

• **2022** - One of ***100 Brilliant Women in AI Ethics*** global list for 2023, Women in AI Ethics.

• **2019** - ***Outstanding Recent Graduate Award***, Office of the President and Alumni Association, Johns Hopkins University.

• **2019** - One of ***Baltimore's Top 10 BioHealth Startup CEOs***, The Business of Biotechnology.

• **2018** - A ***Millennial Leader of the BioHealth Capital Region*** (MD, DC, VA), BioHealth Innovation, Inc.

• **2016** - A ***Particularly Imaginative Polymath***, Imagination Institute, Positive Psychology Center, University of Pennsylvania.

SELECTED PUBLIC SPEAKING ENGAGEMENTS

- Interviewee, *Salzburger Nachrichten* at Fest Im Park 2026, Salzburg Global, Salzburg, Austria
- Speaker, *The Future of Human-Centered AI: What Everyone Needs To Know Now*, Fest Im Park 2026, Salzburg Global, Salzburg, Austria
- Speaker, *Shaping the Future of Human and Patient-Centered AI*, Salzburg Global Weekend 2026: *Seizing the Moment. Shaping the Future*, Salzburg Global, Salzburg, Austria
- Speaker and moderator, *Designing Artificial Intelligence for Transformative Change*, 2026 Skoll World Forum, Oxford, United Kingdom
- Participant and discussant, *The Davos AI Jam - AI in Healthcare*, AISAPIEN, MIT Media Lab, and WorldQuant, Goals House at the World Economic Forum 2026, Davos, Switzerland
- Panelist, *Embedding Human Values into AI and Robotics*, Davos 2026 Age of Convergence Summit, WISeKey SA at World Economic Forum 2026, Davos, Switzerland
- Panelist, *AI for All: Building An Inclusive Future in Health Tech*, Congressional Hispanic Caucus Institute (CHCI) 2025 Tech Summit, Washington, DC
- Judge and Panelist, *AI for Good Film Festival and Awards Ceremony*, United Nations' AI for Good Summit 2025, Geneva, Switzerland
- Panelist, *AI and Foreign Affairs*, Foreign Policy for America's 2025 Leadership Summit, Washington, DC
- Panelist, *SEMAFOR x G42: Creating a Successful AI Ecosystem*, World Economy Summit Roundtable Lunch, Washington, DC
- Panelist, *A Human-Centered Approach to AI Governance*, The Data Science and AI Institute Symposium on *The Impact and Governance of AI*, Johns Hopkins University
- Panelist, *Small Biz, Big Tech: AI in Action*, Meridian International Center Salon Dinner, Washington, DC
- Panelist, *Digital Dialogue: Making Sustainability Truly Sustainable*, Institute for Digital Transformation, Online
- Interviewee, The Digital Economist at World Economic Forum 2025, Davos, Switzerland
- Speaker and Panelist, *TTI AI Investing Panel*, Top Tier Impact (TTI) at World Economic Forum 2025, Davos, Switzerland
- Speaker and Panelist, *AI & Healthcare - Davos 2025 Agenda*, The Digital Economist at World Economic Forum 2025, Davos, Switzerland

- Moderator and Speaker, *Bytes and Bonds: Harmonizing Human-Tech Values*, Annual Roundtable 2024 Series Fractured Futures - Building The Future We Choose, The Digital Economist, Online
- Speaker, *Human Values for AI: Case Studies in Autonomous Vehicles and Clinical Decision Support Systems*, Digital Commons Governance Summit, Institute for Quantitative Social Science, Harvard University, Boston, MA
- Speaker and workshop presenter, *AI Safety Workshop*, 2024 AI Policy Hackathon, Technology & Policy Society, Johns Hopkins University, Washington, DC
- Panelist, *The Impact of AI on Life Sciences and Healthcare Innovation*, Fireside Chat with BioBuzz, 2024 DC Startup & Tech Week, Washington, DC
- Speaker and workshop presenter, *How We Got To Today's AI and Where We're Headed: The past, present, and future*, *Large Language Models: Opportunities and challenges*, *Setting Up The Technical Scene: AI explainability by design*, Group Exercises: *Red-teaming LLMs and Breaking Down Learning Techniques*, Microstrategy Certificate Program, Center for Leadership & Education, Whiting School of Engineering, Johns Hopkins University, Laurel, MD
- Panelist, *Human Values for AI in Health Care*, The Complexities of AI in Health Care 2024 Program, American Health Law Association, Chicago, IL
- Panelist, *AI Governance*, FPL Southwest Florida Economic Symposium 2024, Florida Power and Light Company, Sarasota, FL
- Speaker, *AI Ethics: Navigating the Evolutionary Journey*, V-BRYGE 2024, Online
- Panelist, *AI Governance and Multisector Cooperation*, AI Policy and Diplomacy Series, Meridian International Center, Washington, DC
- Panelist, *Aligning AI with Human Values*, French-American Chamber of Commerce, New York City, NY
- Panelist, *Payments 2.0: A Glimpse into Data's Transformative Journey*, BAFT International Trade and Payments Conference 2024, Tysons Corner, VA
- Panelist, *The Big Conversation: Screen of Consciousness*, Sundance Film Festival 2024 - Sundance Institute and Sloan Foundation, Salt Lake City, UT
- Keynote, *Gaining An Edge: Why We Need To Manage AI Risks Now*, Executive Women's Forum on Information Security, Risk Management & Privacy, San Antonio, TX
- Panelist, *AI in Health Equity*, On-Demand Session, Illinois Association of Healthcare Attorneys' 41st Annual Health Law Symposium 2023, Chicago, IL
- Panelist, *AI and Social Impact - Technology, Policy, and Law*, Technology and Policy Society and the Johns Hopkins Undergraduate Law Review, Johns Hopkins University
- Speaker, *Preempting the Risks of AI: A Human-Centered Approach to Risk Management*, Security, Safety and Autonomy Track, 2023 ErgoX Symposium, Human Factors and Ergonomics Society, Washington, DC
- Speaker and Workshop Presenter, *Connecting the Dots Between Contexts: Intersecting Research Methods, Data Analysis, and Human Cognition*, Open Studies Industry Immersive, Data Analytics & Visualization Program, Maryland Institute College of Art
- Panelist, *The Hot Take on Legal, Safety, and Ethics in Building AI-Powered Products & Businesses*, DC Startup Week 2023, Washington, DC
- Speaker, *Preempting the Risks of Generative AI: Responsible Best Practices for Open-Source AI Initiatives*, Open Source Initiative's Deep Dive: AI Webinar Series 2023

- Keynote, *Building Human-Centered AI: Where artistic creativity, entrepreneurship and policy intersect*, 2023 Entrepreneurship/IT Conference 'AI and Fashion - The Emerging Industry', Dialogue on Diversity, Washington, DC
- Speaker and moderator, *AI Regulation Around the World: Exploring the Global AI Landscape*, Policy Hour Webinar Series, Holistic AI
- Speaker and moderator, *Balancing AI Regulation and Innovation: The UK Approach*, Policy Hour Webinar Series, Holistic AI
- Speaker, *The Science, Ethics, and Geopolitics of Artificial Intelligence*, EP Distinguished Speaker Series 2023, Whiting School of Engineering, Johns Hopkins University
- Panelist, *The Future of Legal Professions*, Technology and Policy Society and the Johns Hopkins Undergraduate Law Review, Johns Hopkins University
- Panelist, Generative AI: Legal, Safety, and Ethical Considerations, Guidepoint Insights
- Speaker, AI Ethics and Innovation, Artificial Intelligence Society, Johns Hopkins University
- On-demand Speaker, Leading with Human Values in the Age of AI, Leadership & Innovation 2023 Online Conference, International Institute for Learning, New York, NY
- Interviewee, Providing Ethical Clarity To Your AI Business Decisions, IEDP Webinar
- Speaker, The Role of Artificial Intelligence and Digital Innovation in Healthcare, Johns Hopkins Carey Business School
- Interviewee, Artificial Intelligence Series - Parts 1 & 2, The Sci'more Podcast, Project Bridge
- Panelist, Entrepreneurship for Industry, 8th Annual Johns Hopkins Postdoctoral 2022 Conference
- Speaker, Artificial Intelligence Country Policy Assessment: Republic of Costa Rica, Center for AI and Digital Policy (CAIDP)
- Speaker, Ethics and Responsibility in AI-enabled Voice Technology, VoiceLunch US
- Panelist, Industry Panel on Autonomous Vehicles, ForHumanity's 1st 2021 International Conference on Accountability and Trust Powered by Governance and Oversight
- Panelist, Keys to Successful AI Governance, Synthetic Intelligence Forum
- Speaker, 23rd International Conference on Human-Computer Interaction 2021 - Thematic Area on Trustworthy AI for a Human-Centered Future
- Speaker, Association for Unmanned Vehicle Systems International (AUVSI) XPONENTIAL 2021
- Speaker, 2021 Hot Topics in the Science of Security Symposium, The National Security Agency
- Speaker, 6th Annual Meeting of The Society for the Neuroscience of Creativity (SfNC) 2020
- Speaker, VB2020 localhost: 30th Annual Virus Bulletin International Conference - Covering the global threat landscape
- Guest Lecturer: "Androids, Cyborgs, and The Human of Our Dreams", 2020 Hopkins @ Home Online Mini-Course Series, Johns Hopkins University
- Keynote Speaker, IS&T Electronic Imaging Symposium - 2020 Autonomous Vehicles and Machines conference, San Francisco, CA
- Moderator, 2019 Maryland Innovation and Technology Series: Neurotechnology, Maryland Department of Commerce and National Institutes of Health, Bethesda, MD
- Speaker, 2019 International Criminology Conference, Washington, DC
- Webinar Speaker, 2019 SINTRA - Sindicato National dos Tradutores, Rio de Janeiro, Brazil
- Panelist on 'Regulations and Standards', 2019 Pennsylvania Automated Vehicle Summit, Poconos, PA
- Panelist on 'Brain-Based Biometric Applications in Forensics', 2019 Maryland Forensics Conference, Frederick, MD

- Speaker, 2019 Women in CyberSecurity Conference, Pittsburgh, PA
- Speaker, IS&T Electronic Imaging Symposium - 2019 Autonomous Vehicles and Machines conference, San Francisco, CA
- Plenary Speaker, 2018 AutoSens International Automotive Sensor Conference, Brussels, Belgium
- Panelist on 'Artificial Intelligence in Healthcare', Business France at 2018 BIO International Convention, Boston, MA
- Speaker & Panelist, 2018 IEEE Women in Engineering (WIE) International Leadership Conference, San Jose, CA
- Plenary Speaker, 2018 AutoSens International Automotive Sensor Conference, Detroit, MI
- Keynote, Speaker, and Panelist, 2018, 2017, 2016, & 2015 Human Vision and Electronic Imaging (HVEI), International Conferences on Perception and Cognition in Electronic Media, San Francisco, CA
- Speaker, 2017 IEEE Women in Engineering Forum USA East, Baltimore, MD
- Moderator, 2017 book launch of *Cajal's Neuronal Forest: Science and Art*, Former Residence of the Ambassadors of Spain, Washington, DC
- Discussant and Panelist, 2017 Polymath Retreat, Imagination Institute, Positive Psychology Center, University of Pennsylvania, Philadelphia, PA
- Speaker, 3rd Annual 2017 Meeting of the Society for the Neuroscience of Creativity (SfNC), San Francisco Conservatory of Music, San Francisco, CA
- Speaker, 2016 Diffrazioni Firenze Multimedia Festival, Florence, Italy
- Speaker, Moderator, and Panelist, 2016 International Conference on Mobile Brain-Body Imaging and the Neuroscience of Art, Innovation and Creativity, Cancún, México
- Speaker, HEAD Talk 2016 Series, Department of Neurology, Johns Hopkins School of Medicine, Baltimore, MD
- Speaker and Workshop Instructor, Paul & Louise Miller Lecture 2016 Series at the School of Media Sciences, Rochester Institute of Technology, Rochester, NY
- In-studio Expert and Guest in 2015, StarTalk TV show recording with host Dr. Neil deGrasse Tyson, Hayden Planetarium, American Museum of National History, New York City, NY
- Speaker and Workshop Instructor in 2014, T. Rowe Price's Brand + Creative, Owings Mills, MD
- Speaker and Workshop Instructor in 2014, Capital One's Digital Group, Vienna, VA
- Speaker, Panelist, and Discussant, DOD-DARPA 2013 Workshop on Human Computer Interaction and Multi-Sensory Exploration of Large Datasets, Arlington, VA
- Speaker and Panelist, DC Art Science Evening Rendezvous (DASER) 2012 Series, National Academy of Sciences, Washington, DC

SELECTED PRESS COVERAGE

- Jan 14, 2025, ***2025 Sundance Film Festival Announces Jury Members***
  Article by Sundance Institute. Web link
- Oct 30, 2023, ***Announcing Keynote Lineup: Leading Voices in Cybersecurity, Tech, and Leadership to Headline at EWF 2023 Annual Conference***
  Article by Diversified Search Group, Yahoo! Finance. Web link
- Jan 5, 2021, ***Music on the Mind***
  Article by R. Wallach, The HUB, Johns Hopkins University. Web link

- Sept 2, 2020, ***Autonomous Cars & Cognitive Brain Science with Dr. Monica Lopez-Gonzalez***
  Video by AutoVisionNews. Web link
- Aug 24, 2020, ***Autonomous Cars & Cognitive Brain Science: Is There a Missing Link?***
  Article by C. Anthony, AutoVisionNews. Web link
- Apr 10, 2019, ***Baltimore's Top 10 BioHealth Startup CEOs***
  Article by A. Taylor, The Business of Biotech, BioBuzz.io. Web link
- Oct 15, 2018, ***Ep. 22, Podcast interview for the BioHealth Capital Region (BHCR)***
  BioTalk: Biohealth, Entrepreneurs & Capital with Rich Bendis, BioHealth Innovation. Web link
- Dec, 2017, ***Polymath Imagination Retreat Report***
  Report by A. Kaplan and S. B. Kaufman, Imagination Institute, University of Pennsylvania. Web link

SELECTED PUBLICATIONS

REPORTS AND STATEMENTS ON AI POLICY & GOVERNANCE

- **Lopez, M.** and Gonzalez, I. (January 2024). RFI Response to NIST's Assignments Under Sections 4.1, 4.5 and 11 of the Executive Order Concerning Artificial Intelligence.
- **Lopez, M.** and Gonzalez, I. (October 2023). Response to Artificial Intelligence and Copyright by the United States Copyright Office, Library of Congress.
- Lopez, M. on behalf of Holistic AI. (September 2023). *Senate Subcommittee Leaders Hold Hearing on Proposed Bipartisan Framework for U.S. AI Act*, Holistic AI News post.
- Lopez, M. on behalf of Holistic AI. (September 2023). *California Governor Gavin Newsom Issues an Executive Order on AI*, Holistic AI News post.
- Lopez, M. on behalf of Holistic AI. (August 2023). Response to the U.S. FDA call for comments on *Using Artificial Intelligence and Machine Learning in the Development of Drug and Biological Products*.
- Lopez, M. on behalf of Holistic AI. (July 2023). *The Holistic AI View: Progress as 7 US Juggernauts Commit to Managing AI Risk*.
- Lopez, M. on behalf of Holistic AI. (July 2023). Response to the White House-Office of Science & Technology Policy RFI on *National Priorities for Artificial Intelligence*.
- Lopez, M. on behalf of Holistic AI. (June 2023). Response to the National Telecommunications and Information Administration, U.S. Department of Commerce, RFI on *AI Accountability Policy*.
- Lopez, M. and Gonzalez, I. (May 2023). Response to the United States Patent and Trademark Office, U.S. Department of Commerce on *Artificial Intelligence and Inventorship*.
- Lopez, M. (June 2022). Input to United Nations Office of the High Commissioner for Human Rights' report on *The Right to Privacy in the Digital Age 2022*.
- Lopez, M. (April 2022). Response to NIST's *Initial Draft AI Risk Management Framework*.
- Lopez, M. (April 2022). AI Policy Assessment: Republic of Costa Rica.
- Lopez, M. (March 2022). Response to White House-Office of Science & Technology Policy RFI on *Support the Development of a Federal Scientific Integrity Policy Framework*.
- Lopez, M. (February 2022). Response to White House-Office of Science & Technology Policy RFI on *National Artificial Intelligence Research and Development Strategic Plan*.

PRIVATE SECTOR RESEARCH ON AI & AUTOMATION POLICY & GOVERNANCE

- Eileen Koski, Amar Das, Pei-Yun Sabrina Hsueh, Anthony Solomonides, Amanda L Joseph, Gyana Srivastava, Carl Erwin Johnson, Joseph Kannry, Bilikis Oladimeji, Amy Price, Steven Labkoff, Gnana Bharathy, Baihan Lin, Douglas Fridsma, Lee A Fleisher, **Monica Lopez-Gonzalez**, Reva Singh, Mark G Weiner, Robert Stolper, Russell Baris, Suzanne Sincavage, Tristan Naumann, Tayler Williams, Tien Thi Thuy Bui, Yuri Quintana. (2025). Towards responsible artificial intelligence in healthcare—getting real about real-world data and evidence, *Journal of the American Medical Informatics Association*, Vol. 32(11). https://doi.org/10.1093/jamia/ocaf133
- Leon Rozenblit, Amy Price, Anthony Solomonides, Amanda L. Joseph, Eileen Koski, Gyana Srivastava, Steven Labkoff, David Bray, **Monica Lopez-Gonzalez**, Reva Singh, Dave deBronkart, Paul J. Barr, Peter Szolovits, Kiran Dattani, Charles Jaffe, Douglas Fridsma, Russell Baris, Russell Leftwich, Robert Stolper, Mark G. Weiner, Nuria Pastor, Unai Sanchez Luque, Baihan Lin, Tien Thi Thuy Bui, Bilikis Oladimeji, Tayler Williams, Gretchen Purcell Jackson, Pei-Yun Sabrina Hsueh, Yuri Quintana. (2025). Toward responsible AI governance: Balancing multi-stakeholder perspectives on AI in healthcare, *International Journal of Medical Informatics*, Vol. 203. https://doi.org/10.1016/j.ijmedinf.2025.106015
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- Leon Rozenblit, Amy Price, Anthony Solomonides, Amanda L. Joseph, Gyana Srivastava, Steven Labkoff, Dave deBronkart, Reva Singh, Kiran Dattani, **Monica Lopez-Gonzalez**, Paul J. Barr, Eileen Koski, Baihan Lin, Erika Cheung, Mark G. Weiner, Tayler Williams, Tien Thi Thuy Bui, Yuri Quintana. (2024). Towards a Multi-Stakeholder process for developing responsible AI governance in consumer health, *International Journal of Medical Informatics*. https://doi.org/10.1016/j.ijmedinf.2024.105713
- Steven Labkoff, Bilikis Oladimeji, Joseph Kannry, Anthony Solomonides, Russell Leftwich, Eileen Koski, Amanda L Joseph, **Monica Lopez-Gonzalez**, Lee A Fleisher, Kimberly Nolen, Sayon Dutta, Deborah R Levy, Amy Price, Paul J Barr, Jonathan D Hron, Baihan Lin, Gyana Srivastava, Nuria Pastor, Unai Sanchez Luque, Tien Thi Thuy Bui, Reva Singh, Tayler Williams, Mark G Weiner, Tristan Naumann, Dean F Sittig, Gretchen Purcell Jackson, Yuri Quintana. (2024). Toward a responsible future: recommendations for AI-enabled clinical decision support, *Journal of the American Medical Informatics Association*, 31(11): 2730–2739. https://doi.org/10.1093/jamia/ocae209
- Glen Calleja, Mona Gamil, Martin Inthamoussu, Amy Karle, **Monica Lopez**, Akihiko Mori, and Stephanie Meisl. (May 2024). The Charter for AI Ethics. *Salzburg Global Seminar*, Salzburg, Austria.
- Lopez, M. (2024). Reevaluating Human Values for Patient Care in the Age of Artificial Intelligence: A Human-Centred Approach to Mobile Digital Health Technology Regulation in the United States. *Journal of AI Law and Regulation* 1(1): 50-63. DOI: https://doi.org/10.21552/aire/2024/1/7
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- López-González, M. (2019). Today Is To See and Know: An Argument and Proposal for Integrating Human Cognitive Intelligence into Autonomous Vehicle Perception, IS&T Electronic Imaging Symposium: *Autonomous Vehicles and Machines*, (IS&T, Springfield, VA, 2019). DOI: 10.2352/ISSN.2470-1173.2019.15.AVM-054.
- López-González, M. (2018). Theoretically Automated Conversations: Collaborative Artistic Creativity for Autonomous Machines, IS&T Electronic Imaging Symposium: *Human Vision and Electronic Imaging*, (IS&T, Springfield, VA, 2018). DOI: 10.2352/ISSN.2470-1173.2018.14.HVEI-531.
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- Lebowsky, F. & **López-González, M.** (2018). Colorful Insights Supporting the Modeling of Creative Processes Across Language, Music, and Emotion, IS&T Electronic Imaging Symposium: *Color Imaging XXIII*, (IS&T, Springfield, VA, 2018); DOI: 10.2352/ISSN.2470-1173.2018.16.COLOR-364.
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- López-González, M. (2017). Trading Conversations Between Science and Art: When Musical Improvisation Enters the Dialogue on Stage, IS&T Electronic Imaging Symposium: Human Vision and Electronic Imaging, (IS&T, Springfield, VA, 2017); DOI: 10.2352/ISSN.2470-1173.2017.14.HVEI-156.
- López-González, M. (2016). Minds in the Spotlight: Using Live Performance Art To Uncover Creative Thinking Processes, IS&T Electronic Imaging Symposium: Human Vision and Electronic Imaging, (IS&T, Springfield, VA, 2016); DOI: 10.2352/ISSN.2470-1173.2016.16.HVEI-143.
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BOOK CHAPTER

- López-González, M. (2023). Emotional Creativity. In Gesine Lenore Schiewer, Jeanette Altarriba, & Bee Chin Ng (eds.), *Handbook on Language and Emotion: An International Handbook - Handbooks of Linguistics and Communication Science*. Chapter 69, Volume 3. Berlin: De Gruyter Mouton. DOI: 10.1515/9783110795486-005

LEADERSHIP & EDUCATION

- López, M. (March 2023). Leadership Today Means Leading with Human Values in the Age of Artificial Intelligence. International Institute for Learning (IIL) Blog Article, https://blog.iil.com/leadership-today-means-leading-with-human-values-in-the-age-of-artificial-intelligence/
- López-González, M. (February 2018). An Urgent Appeal for Ethical Changemaking - Taking equitable action now for a better today, Session 593 - The Shock of the New: Arts, Technology and Making Sense of the Future, (Salzburg Global Seminar, Salzburg, Austria, 2018).
- López-González, M. (February 2018). A Scientist-Artist's Address to Today's Future, Op-Ed for Session 593 - The Shock of the New: Arts, Technology and Making Sense of the Future, (Salzburg Global Seminar, Salzburg, Austria, 2018).
- López-González, M. (2017). For Female Leaders of Tomorrow: Cultivate an Interdisciplinary Mindset. *Women in Engineering (WIE) Forum USA East*, *2017 IEEE*. IEEE; DOI: 10.1109/WIE.2017.8285606.
- López-González, M. (2017). STEAM is hotter than STEM: The Why and What of My Teaching Paradigm in Higher Education. SciArt Magazine – Special Topics STEAM Education Issue, August 2017.

ACADEMIC RESEARCH

- McPherson M. J., Barrett, F. S., **Lopez-Gonzalez M.**, Jiradejvong, P., Limb, C. J. (2016). Emotional Intent Modulates The Neural Substrates of Creativity: An fMRI Study of Emotionally Targeted Improvisation in Jazz Musicians. *Scientific Reports, 6*, Article Number: 18460; doi:10.1038/srep18460.
- McPherson M. J., **Lopez-Gonzalez M.**, Rankin S. K., Limb C. J. (2014). The Role of Emotion in Musical Improvisation: An Analysis of Structural Features. *PLoS ONE*, *9*(8): e105144. doi: 10.1371/journal.pone.0105144.
- Donnay, G. F., Rankin, S. K., **López-González, M.**, Jiradejvong, P., Limb, C. J. (2014). Neural Substrates of Interactive Musical Improvisation: An fMRI Study of 'Trading Fours' in Jazz. *PLoS ONE, 9*(2): e88665. doi: 10.1371/journal.pone.0088665.
- **López-González, M.** & Limb, C. J. (February 2012). Musical Creativity and the Brain. *Cerebrum*.

OTHER RELEVANT PROFESSIONAL ACTIVITIES

Reviewer and Jury Member, Sloan Foundation and Sundance Film Festival; 2024 - Present

Reviewer for Sloan Foundation art-science theater grants and member of the jury for the annual Alfred P. Sloan Feature Film Prize.

Member, Human-Centered Artificial Intelligence International Group; 2021 - 2023

Member to support and collaborate on research that integrates human-computer interaction design thinking, development processes and evaluation methods, and to participate in forums and publications for communicating this research to impact AI innovation, governance, and education.

Participant, Collaboratively Envisioning AI and Ethics in Biomedical Research, Office of Data Science Strategy, NIH; 2022 - 2022

Discussant in virtual Micro Labs to identify important areas of consideration and problem-solving strategies at the intersection of AI, machine learning, biomedical and behavioral sciences, and ethics.

MEMBER, THE SOCIETY FOR THE NEUROSCIENCE OF CREATIVITY (SFNC); 2019 - 2021

Member to foster research on the neural and cognitive bases of creativity, and to participate in forums for communicating this research to impact education, health, and innovation.

AWARDS JUDGE, AUTOSENS, SENSE MEDIA GROUP, UNITED KINGDOM; 2018

Served on the judging panel for the selection of AutoSens Awards presented by AutoSens at AutoSens Brussels - International Automotive Sensor Conference September 19, 2018 in Brussels, Belgium.

MEMBER, CAPITAL REGION CHAPTER, WOMEN IN BIO; 2018 - 2019

Member of community of entrepreneurs, leaders, business development professionals, investors, scientists, students, and others who work in the biotechnology and life sciences industries.

REVIEWER, ALLIANCE FOR A HEALTHIER WORLD, JOHNS HOPKINS BLOOMBERG SCHOOL OF PUBLIC HEALTH; 2018

Served as a peer reviewer for the Healthier World Challenge Implementation Grants for the Alliance for a Healthier World (AHW), Baltimore, Maryland.

SESSION CHAIR, INTERNATIONAL CONFERENCE ON MOBILE BRAIN-BODY IMAGING AND THE NEUROSCIENCE OF ART, INNOVATION AND CREATIVITY; 2016

Served as a session chair for University of Houston's 2016 international conference in Cancún, Mexico.

PROFESSIONAL SKILLS

Dynamic and self-motivating problem-solver, learner, innovator, collaborator, and leader integrating multiple disciplines with exceptional outside-the-box creative, critical and strategic thinking, multitasking, risk-taking, speaking, writing, and fundraising abilities.

- **ENTREPRENEURSHIP**: Business development, business and project management, market research and data analytics, partnering and team-building in fast-paced entrepreneurial high-risk environments, fundraising, public relations and event planning. Industries involved with: healthcare and biotechnology, automated and AI-enabled systems, cybersecurity, education, and creative industry.
- **COMMUNICATIONS**: Creative, analytical, and content writing in academic, commercial, technology policy, and entertainment domains for numerous audiences and stakeholders within the Healthcare, Cyber, Robotics, Education, and Entertainment industries. Multilingual speaking, writing, consulting, translating, and advising in:
    - AI Ethics / Responsible AI and Emerging Technology Policy
    - AI Ethics / Responsible AI Governance Operationalization
    - Analytical Decision-Making, Project/Program Evaluation and Policy Reform
    - Autonomous Systems, Behavioral, Brain, Computational and Health Sciences R&D
    - Data Management and Analytics, Data-Driven Decision Making for Organizational Goals
    - Science, Technology, & Cross-Disciplinary Integration between Private & Public Sectors
    - STEAMM Education and Curriculum Development

• **Written deliverables**: peer reviewed articles, manuscripts, and abstracts; business plans; reports, briefs, executive summaries, and memos; slide decks; op-eds; newsletters; creative narratives.

• **Oral deliverables**: keynotes and plenaries; presentations; panels (as speaker and moderator); webinars; workshops; live and pre-recorded radio, TV, and Zoom interviews.

- **Science & Research**: Original experimental and theoretical brain, behavioral, cognitive, and computational research design, implementation, data acquisition and management, quantitative and qualitative data analysis and visualization, publication, communication, and application.
- **Education**: Pioneering, creating, teaching, and evaluating novel and unique interdisciplinary curricula in Higher Education from precollege to postgraduate levels. Intersecting the fields of Autonomous Systems, Computational, Brain, Behavioral, Cognitive, Data & Health Sciences, Business, Entrepreneurship, Ethics, International Relations, Law, and Public Policy.
- **Health & Patent Law**: Regulatory compliance; healthcare policy and ethical decision-making; intellectual property regulations and novel technology protection.
- **Languages**:
  - English & Spanish: native
  - French: fluent
  - Italian: proficient
- **Software Technology**:
  - Microsoft Office 365, OS X system, Adobe Creative Cloud Pro
  - Adobe Connect Learning, Canvas, Cisco WebEx, Microsoft Teams, SharePoint, Slack, Zoom
  - Healthcare software: Epic; Bluesight PrivacyPro; Stryker/Care.ai; Barrier Technologies' X-ray Apron Sizer
  - SPSS, SAS, MATLAB, R; HTML, JavaScript, SQL; Tableau
  - ArcGIS Pro; Google Analytics, Adobe Analytics
  - Social media platforms
  - Editorial Manager
- **Style Manuals**: AMA, APA, Chicago Manual, MLA, IEEE.