

MARGARITA KRYLOVA

Clinical Researcher

407.236.3581 | marharyta.krylova@gmail.com | [LinkedIn](#) | [Publications & Conferences](#)

Researcher, relocating to NYC in May 2026, with experience in clinical and translational research, AI in medicine, and medical ethics. Seeking industry clinical research roles to leverage leadership experience, expertise in study design, data management, and collaboration. Committed to innovative and responsible research that advances evidence-based medicine, patient outcomes, and medical technology.

EDUCATION

Harvard Medical School — Boston, MA

Expected May 2026

Master of Science, Bioethics

- Capstone: “A Patient Decision Aid for Artificial Intelligence Use in Healthcare: Balancing Autonomy, Trust, and Choice”
- Relevant Coursework: Clinical Ethics, Research Ethics, Foundations of Bioethics

Duke University — Durham, NC

Aug 2022 - May 2025

Bachelor of Science in Neuroscience; Minors in Chemistry & Russian Literature; Pre-Health | GPA: 3.7

- Undergraduate Thesis: *SMARCAL1 and DNA Replication Stress in ALT+ Glioma Cells* (Graduation with Distinction)
- Relevant Coursework: Leadership in Healthcare, Functional Neuroanatomy, Independent Study, Medical Ethics

LICENSES & CREDENTIALS

Nationally Certified Phlebotomy Technician

National Registry of Allied Health Professionals, Credential ID: NPCN-16961-6068 (Exp: 10/2025)

National Performance Specialists (NPS), Credential ID: 4724219427MK (Exp: 02/2026)

Biotechnician Assistant Credential

Biotility, Credential ID: 32648389

American Red Cross

Adult First Aid/CPR/AED, Credential ID: 0181956

PROFESSIONAL EXPERIENCE

Carbon Health

Jun 2025 - Present

Medical Assistant, CVS Clinic with Carbon Health Urgent Care

- Deliver care for 15–30 patients per shift while optimizing workflow with multidisciplinary teams (physicians, PAs, NPs)
- Manage patient intake, EMR documentation, and insurance verification, reducing administrative bottlenecks
- Support high-volume urgent care operations, enhancing efficiency and patient experience

Duke University Health System

Mar 2024 - Aug 2024

Clinical Technician II – In-Patient 3rd-shift Phlebotomy, Duke University Hospital

- Collected blood specimens for 35–40 inpatients per overnight shift with accuracy and efficiency
- Maintained infection control protocols and collaborated with clinical teams to support informed care decisions

RESEARCH

Clinical AI Researcher

Aug 2025 - Present

MESH Incubator, Massachusetts General Hospital

- Conducting a study on clinician attitudes toward LLM adoption and oversight in healthcare
- Manuscript submitted to *JAMA Network Open*

Surgical Ethics Working Group

Jun 2025 - Present

Logistics Co-Coordinator, Harvard Medical School Center for Bioethics

- Co-coordinating working group operations including meeting schedules, communications, and membership management
- Leading two systematic reviews examining ethical implications of AI in robotic surgery and AI in surgical training programs

Massachusetts General Hospital, Neurosurgical Equitable Wellness Lab

Oct 2024 - Present

Neurosurgery Ethics Researcher, MGH Neurosurgery

- Leading medical student education study evaluating preparedness of medical training to address real-world health equity challenges
- Conducting a systematic review examining environmental and demographic impacts on stroke recovery in women

UC Irvine Health

June 2024 - July 2025

Health Informatics Researcher, Advanced Endoscopic & Outpatient Spine Program

- Led comparative effectiveness study of GPT-4o vs. Claude 3.5 Sonnet for patient education on endoscopic spine procedures, managing full project lifecycle from design through manuscript preparation
- Manuscript submitted for publication in *World Neurosurgery*; poster presentation will be given at ABRCMS 2025

Duke University Health System

Dec 2023 - May 2025

Clinical Researcher, DukeHealth Neurosurgery

- Completed systematic review and case study of spontaneous/traumatic intraorbital AVFs (~29 cases worldwide since 1974)
- Published in *Journal of Neurosurgery: Case Lessons*

The Preston Robert Tisch Brain Tumor Center at Duke

Oct 2022 - May 2025

Translational Researcher, Waitkus Lab, Duke Health Neurosurgery

- Investigated DNA replication stress and *SMARCAL1* role in ALT+ glioma cells to enhance chemotherapy sensitivity
- Performed Western blots, IF-FISH, confocal imaging, and computational analysis

RELEVANT LEADERSHIP EXPERIENCE

IvyLeague+ Pre-Health Society @ Duke

Oct 2023 - Present

Founding President, Duke University

- Founded and led Duke chapter of a multi-institutional pre-health organization connecting students across top 20 universities
- Co-founded and organizing inaugural pre-health research conference – the first undergraduate-led national conference at Duke, open to students across all institutions nationally

Duke Medical Ethics Journal

Aug 2024 - May 2025

Ethics Blog Writer, Duke University

- Authored scholarly blog posts analyzing ethical challenges in clinical care, including end-of-life nutrition, eating disorders, and health equity

Mayo Clinic Neurosurgery Journal Club

May 2024 - May 2025

Journal Club Member, Mayo Clinic

- Analyzed pivotal neurosurgery research articles and evaluated treatment modalities for evidence-based patient care
- Contributed to a collaborative environment focused on continuous improvement

Duke Undergraduate Research Support (URS) Office

Jan 2024 - May 2025

URS Student Advisory Council Member

- Advised URS office on research policies and programming to enhance undergraduate research experience campus-wide

PROGRAMS & FELLOWSHIPS

Duke Summer Undergraduate Research Neuroscience Fellowship

Jun 2024 - Aug 2024

Draw Your Way Through Medicine Fellowship

Jun 2024 - Aug 2024

Mayo Clinic Undergraduate Plummer Scholars (UPS) & Virtual Extension Programs

Oct 2023 - May 2024

Penny Pilgram George Women's Leadership Initiative

Sep 2023 - May 2024

Duke FOCUS: Medicine, Ethics, & Health Policy

Aug 2022 - May 2023

AWARDS & GRANTS

Dean's Scholarship for HMS Master's Students

Jun 2025

Duke URS: Conference Grant (x2), DiSTEM Award

Sept 2023, Jan 2024, Nov 2024

SKILLS

Skills: Clinical Study Design & Project Management • Systematic Review & Data Analysis • Scientific Writing & Manuscript Preparation • Team Leadership & Cross-Institutional Collaboration • Stakeholder Communication & Coordination • Regulatory Compliance • Event Planning & Logistics Management • Large Language Models

Tools: Python, R, Cell Profiler, Prism, RedCap, EHR systems, Zotero, Paperpile, BioRender, LLM APIs

Languages: Tri-Lingual (Russian, English, Ukrainian)

Interests: Research & Ethics, Travel, Yoga & Meditation, Painting, Reading (Psychology, Russian Classics, Medical), AI