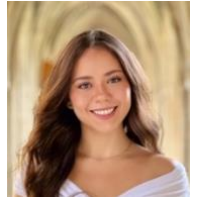


# MARGARITA KRYLOVA

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



Researcher, relocating to NYC in May 2026, with experience in clinical and translational research, AI in medicine, and medical ethics. Seeking 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 3<sup>rd</sup>-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	<b>Jun 2024 - Aug 2024</b>
Draw Your Way Through Medicine Fellowship	<b>Jun 2024 - Aug 2024</b>
Mayo Clinic Undergraduate Plummer Scholars (UPS) & Virtual Extension Programs	<b>Oct 2023 - May 2024</b>
Penny Pilgram George Women's Leadership Initiative	<b>Sep 2023 - May 2024</b>
Duke FOCUS: Medicine, Ethics, & Health Policy	<b>Aug 2022 - May 2023</b>

**AWARDS & GRANTS**

Dean's Scholarship for HMS Master's Students	<b>Jun 2025</b>
Duke URS: Conference Grant (x2), DiSTEM Award	<b>Sept 2023, Jan 2024, Nov 2024</b>

**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