

Motivation letter

My name is Andrea Mariel Actis, and I have a degree in Biochemistry and Pharmacy from the University of Buenos Aires. My doctoral thesis focused on the hormone-dependence of breast cancer. Afterwards, I shifted toward the medical humanities, fulfilling a teaching degree at the Faculty of Medicine and a diploma in Bioethics. I also completed a postgraduate degree in the Development and Implementation of Health Technology Assessments. After a trip to the World Bioethics Congress in Gijón, I was shocked by ICT in relation to education and health. I took the Globethics course on Cyberethics and began training in artificial intelligence in health. I completed a specialization in University Evaluation and another in Teaching Design with Technologies at the Higher Education Level.

Serious, high-level training in the field of artificial intelligence is scarce in Argentina. For this reason, I enrolled in the Master's program in Cyberdefense and Cybersecurity, which I have already completed, and I am writing my thesis on the Cybersecurity of Health Data, a very worrying issue. All this training has made my education very unique and unusual, with scientific and technical knowledge of molecular biology, humanistic knowledge of bioethics, extensive knowledge of teaching and pedagogy, and solid knowledge of artificial intelligence and cybersecurity.

My main professional activity has always been university teaching. I work as an undergraduate professor in the medical school and teach biochemistry and bioethics to medical students.

I also teach postgraduate courses at the Faculty of Medicine for teaching careers, teaching courses on the history of medicine and medical socioanthropology.

Since 2022, I have served as the director of the Argentine Medical Association's artificial intelligence training courses. In 2023, together with other medical colleagues, we formed the first Biocyberethics Committee of the Argentine Medical Association, due to our concern about the growing advancement of new technologies, including artificial intelligence, in the healthcare sector. The committee seeks to train professionals, guide them through technology-related dilemmas, and contribute to ongoing dialogue on the issue.

In 2024, due to government decisions regarding the advancement of the digitalization of the healthcare system, with the implementation of new laws on electronic medical records and electronic prescriptions, the Argentine Medical Association, in a fundamental historical event, established the Digital Transformation Commission to create a framework to guide healthcare professionals in the responsible use of new technologies.

Given this path taken and my constant desire for continuous training, upon learning of this master's degree, I decided to apply. First, I will continue training in the field in which I work. Second, I will connect with professionals from other countries who face the same problems we all face. Third, I believe that with what I will be able to learn, I can be of great help in my country in properly implementing digital transformation in the healthcare sector.