*Name and Surname: Silvia Ndocaj*

*Home Institution: University of Medicine, Tirana*

*Host Institution: University of Camerino*

*Type of mobility:* Research for experimental master thesis.

*Duration: 5 months*

*Description of the activities:*

*During my five-month Erasmus+ mobility at the University of Camerino, I conducted my experimental master’s thesis at CHIP (Chemistry International Project), under the supervision of Prof. Roberta Censi and Dr. Lakshmi Sathi Devi. My work focused on the synthesis of thiolated hyaluronic acid (HASH), the formulation of hydrogels—both placebo and those loaded with IgG-FITC or anti-PD1 antibodies. These hydrogels are being developed as biocompatible delivery systems for immunotherapy, aiming to improve the localized and sustained release of immunomodulatory agents directly at the tumor site. I also worked on the formulation of nanohydrogels using the sonication technique, designed for enhanced penetration and bioavailability. In addition, I took part in various studies related to the physicochemical and rheological characterization of the developed systems, gaining valuable experience in techniques such as rheometry, particle size analysis, and spectroscopic evaluation.*

*Beyond the academic experience, I had the opportunity to meet students from all over the world, which was enriching both personally and culturally. We participated in several intercultural activities, such as the “international aperitivo,” student-organized parties, and local events like the traditional Corsa alla Spada e Palio—a historic medieval race and festival held in Camerino that celebrates the city’s heritage with parades, costumes, and community spirit.*

*I took part in a collaborative OpenStreetMap mapping activity, where international students worked together to contribute to open geographic data. We mapped areas around Camerino and other regions, updating local features, buildings, and roads using satellite images and field surveys.*

*During my stay, I also got the change to travel discovering the beauty of the Marche region and visiting other iconic Italian cities such as Rome, Perugia, Pescara and the area around Lake Garda.*

*This experience has been incredibly valuable both professionally and personally. I highly recommend the Erasmus+ program to all students and encourage them to consider the University of Camerino as their host institution.*

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Place and date 31.07.2025 Signature

Silvia Ndocaj