

AURORA

Student mobility traineeship

UNINA Department of Pharmacy
traineeship offer

Co-funded by the
Erasmus+ Programme
of the European Union



Department of Pharmacy-UNINA

The department of Pharmacy (DF) offers both didactic activities and basic and applied research activities in all those disciplines oriented toward the discovery of new pharmaceutical targets, the creation of new drugs and the development of innovative therapeutic strategies. The Department of Pharmacy is one of the Italian “excellent departments” according to the evaluation of research quality (VQR) campaign.

The DF promotes academic research and the improvement of scientific culture. In this attempt, it coordinates all the academic activities, granting at the same time the scientific autonomy of its components.

Specifically, the DF aims to:

- broadcast the results of scientific research;
- offer certified formative courses;
- transmit scientific and technological knowledge as factors of socio-economic development;
- offer specialised service to the territory and to third parties through agreements and conventions in conformity with the current regulation.

The current degree programs available at the DF are:

- Bachelor's Degree in Nutraceutical Sciences
- Bachelor's Degree in Quality Control of Pharmaceutical Products
- Bachelor's Degree in Herbal Sciences
- Master's Degree in Pharmaceutical Biotechnologies
- BS+MS Degree in Pharmacy (Laurea a ciclo unico)
- BS+MS Degree in Chemistry and Pharmaceutical Technologies (Laurea a ciclo unico)

Moreover, the DF offers:

- PhD Course in Pharmaceutical Sciences
- International PhD program in Nutraceuticals, functional foods and human health, a joint PhD program between the University of Naples Federico II, University of Valencia (E) and Tshwane University of Technology of Pretoria, South Africa (SA)
- Specialisation School in Hospital Pharmacy
- Specialisation School in Evaluation and Management of Chemical Risk
- Master in Cosmetic Sciences and Technologies
- Master in Pre-Clinic and Clinic Drug Development and Post-Marketing Monitoring

Position title

Voluntary internship in support of the research activity in the frame of one of the four macro-areas carried out at the Department of Pharmacy:

- Extraction, isolation, and synthesis of bioactive natural products and derivatives to be used as lead compounds in drug discovery
- Computational and experimental methods (NMR, Mass spectrometry, bioinformatics, docking, molecular dynamics) for the study of the structure and function of biological targets applied to drug design in many fields of pharmaceutical chemistry
- Design and development of micro- and nanotechnology-based delivery systems
- *In vitro* and *in vivo* studies on biological effects of natural and synthetic drugs

The list of the projects available in the frame of the above-mentioned research areas is available on request by sending an email to alessia.caso@unina.it.

The trainee will be involved in laboratory activities within one of the research projects, as well as in communication and dissemination activities of these research projects within Aurora.

Position purpose

Knowledge, skills, and competencies to be acquired by the end of the traineeship:

- Programming and execution of research activities
- Reporting of data and results achieved during regular group meetings
- Supporting the communication and dissemination activities of the research project

Duties and responsibilities

The internship will be mainly focused on laboratories activities related to one of the mentioned research projects.

The Department of Pharmacy strongly promotes internationalisation: the research laboratories constantly host foreign guests. The trainee will therefore carry out his/her work in an international context, not only by gaining/achieving specific research skills but also improving his/her team working experience in a rich and heterogeneous linguistic and cultural environment.

Qualifications

Field/s of study

Pharmacy, Pharmaceutical Chemistry, Chemistry

Level of study

Master

Professional competences

Key competences/Language skills

English – B1 – (Required)

Italian – A2 – Elementary (not mandatory)

Key competences/Computer skills

Accuracy, precision

Data visualization

Database management and manipulation

Operating systems

Key competences/Other

- Teamwork skills
- Critical and analytical thinking
- Open mind
- Curiosity, perseverance
- Planning and organizing
- Communication
- Initiative
- Collaboration
- Awareness

How to apply

Students who are interested in the Aurora Mobility Traineeship at DF should send their CV together with a cover letter (in English) to alessia.caso@unina.it at least two months before the estimated leaving date [i.e., if you are planning to start your traineeship on September 1st, please send the application by July 1st maximum].

Facts

Economic sector: University

Size: staff > 2000

Working language/s: English

Type of work placement: Traineeship

City/Country: Naples/Italy

Earliest start date: 01/09/2022

Latest start date: 01/03/2023

Duration: 5 months

Working hours: 35 hours/week

Remuneration: Financial contribution: 0 EUR/month

Contribution in kind: none

Application

Required application documents

CV, cover letter (in English) to alessia.caso@unina.it