



UNIVERSITÉ CÔTE D'AZUR



# European MSc in MOLECULAR PATHOLOGY

→  
*Make a difference to patient outcomes*

Master of Science

# EUROPEAN MSc IN MOLECULAR PATHOLOGY



*Over the last decade, the growth of molecular pathology has paved the way towards innovative treatments and personalized medicine, playing a critical part in patient outcomes both in cancers and non-cancer diseases.*

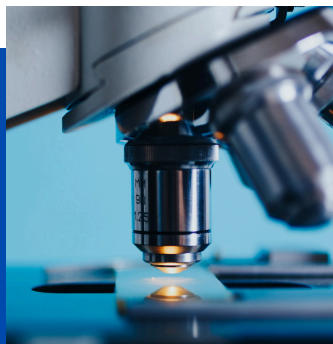
*But a strong need for standardization in molecular analysis has become equally apparent, which is why we developed this European MSc program: to provide current and future pathologists with the ability to produce high-quality clinical records that can be seamlessly shared across healthcare organizations.*

*Our program will equip students with the capacity to produce molecular pathology analyses whose results can be reproduced and exchanged, securing the patient's safety.*

**Professor Marius ILIE - Program Director**

## Steering committee

Dr. Raed Al Dieri, Pr. Enrique de Álava, Assoc. Prof. Serena Bonin, Pr. Olli Carpén, Pr. Catarina Eloy, Pr. Falko Fend, Pr. Pedro L. Fernandez, Pr. Rui Henrique, Pr. Gerald Hoefler, Pr. Paul Hofman, Pr. Michael Hummel, Pr. Fernando Schmitt, Pr. Ed Schuurin, Pr. Giorgio Stanta



## Course content overview

- THE WORLD OF DNA, RNA, AND PROTEINS
- PRE-ANALYTICAL AND ANALYTICAL METHODOLOGY
- INFECTIOUS DISEASES
- APPLIED MOLECULAR PATHOLOGY IN ONCOLOGY
- IMMUNOPATHOLOGY
- DIGITAL PATHOLOGY, BIOINFORMATICS AND ARTIFICIAL INTELLIGENCE
- QUALITY CONTROLS, REGULATION AND ACCREDITATION
- NEW TECHNOLOGICAL DEVELOPMENTS
- BIOBANKING
- LIQUID BIOPSIES



- Become an EUMS-certified Molecular Pathologist and join a community of European leading experts in precision medicine
- Exploit the latest technologies (OMICS, A.I.) to offer patients innovative treatments and reinforce a standardised approach to molecular pathology
- Discover different European universities and cities and develop a strong international network

## Course organisation

The MSc is delivered through blended-learning – some modules of the program are delivered in-person and on-campus, and some modules are delivered 100% online using a virtual learning environment.

The on-campus components, with a mix of traditional lectures and hands-on activities, are at set times of up to 2 weeks throughout the year, at each of the universities shown on the map below. The online components are a mix of synchronous and asynchronous study modes.

The virtual learning environment is a key aspect of the overall program, as a centralised space for students to be fully involved in the program.



## TARGET PROFILE

- This program is intended for pathologists, either in training or specialists.
- A high level of proficiency in English is required



## APPLICATIONS

- Applications are to be submitted on the Université Côte d'Azur's online platform, eCandidat.

## TUITION FEES

- Tuition fees for this two-year program are €6,000 maximum per year. Special rates and scholarships are available; for more information, visit our website.

[WEBSITE](#)



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## Partners



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