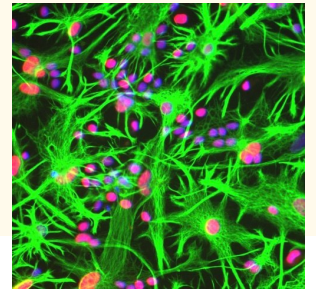
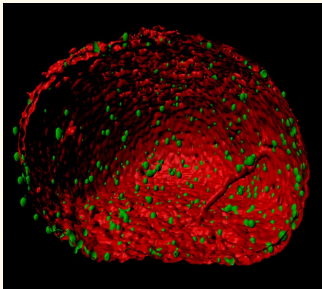


Decoding Complexity: Advanced Topics in Genetics and Molecular Biology

Beniamino TROMBETTA / Alessandro ROSA
Domenico FLAGIELLO



Effectives: 15

Language: English

Where?

Rome

When?

September 29-
October 03 /2025

Evaluation:

Analysis of a scientific article

Questions:

dome fla@gmail.com

Number ECTS : 3

Total numbers of hours
: 30h

Teaching format :

Lectures and poster
presentation

Teaching objectives

The course consists of a series of seminars on topics related to genetics, genomics, gene expression regulation, and their applications. These include ancient DNA, cancer, neurodegenerative diseases, gene therapy, vaccines, and new drugs based on modified RNA technology. The seminars are held by international scientists with extensive experience in each specific topic, providing participants with cutting-edge knowledge and insights into the latest advancements in the field.

Teaching outline

The course is organized in a series of one hour seminars followed by an open discussion between speakers and students. This course allows students to integrate basic knowledge of genetics and molecular biology with the most up-to-date information and techniques of the sector with particular attention to new concepts and tools.