**Teaching activities 2024**
**PhD in Biotechnology**

| Course | Module | Course coordinator | cfu |
|---|---|---|---|
| **BIOINFORMATICS** | Introduction to Data analysis and data formats | Gianluigi  Cardinali | 2 |
| | Introduction to Basic Programming in Biotecnologies | | 1 |
| **PHOTONICS** | Femtobiology | Benedetta Carlotti | 2 |
| | Two-photon absorption for bio-applications | | 1 |
| **SAFETY IN BIOTECHNOLOGY LAB** | Safety in biotechnology | Assunta Marrocchi | 2 |
| | Bioprocesses | | 1 |
| **ADVANCED BIOINFORMATICS** | Advanced databasing and programming in biotechnology | Vincent Robert | 3 |
| **ADVANCED MEDICAL BIOTECHNOLOGY** | Transcriptomics Data Mining | Stefano Bruscoli | 4 |
| | Cancer Immunotherapy | | |
| | Introduction to Biomarkers | | |
| **WRITING EU RESEARCH PROJECTS** | | DA DEFINIRE | 1 |
| **BIOASSAYS IN BIOTECHNOLOGIES** | | Laura Corte | 1 |
| **GENE EDITING** | Gene Editing | Stefano Bruscoli | 2 |
| | Machine Learning applied to Gene Editing | Francesco Morena | 2 |
| **FOOD AND ENVIRONMENTAL BIOTECHNOLOGY** | Functional Foods | Florentina Matei | 1 |
| **INTRODUCTION TO ROBOTIC AND AI-BASED SURGERY** | | Fabio Rondelli | 1 |