

**UE 3.3. Technological skills for conducting a research project in Biology and Health Science**

**3 ECTS**

**Teaching unit shared by the following tracks:**

- Cellular, Integrative and Translational Neurosciences
- Diabetes and cardiovascular diseases
- Fundamental and clinical oncology, towards precision medicine
- Immunity, Inflammation et Infection

**EC18 – Drug Discovery and Development: Recent Concepts and Strategies**

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The aim of the course is to enable students to get familiar with key concepts and recent notions in drug discovery and development, including precision drugs and drug repositioning. From examples taken from various therapeutic areas, the different steps from therapeutic target identification and validation, discovery of the active principle up to the obtention of the drug candidate, will be presented. The notions of causality and target engagement will be emphasized. The specific goal is to acquire the fundamentals in this field and to understand the innovation strategies in the field of small molecule drugs.