

## Advanced biomedicines and cell therapies (M2)

Master Sciences du médicament et des produits de santé - M1 Tronc commun



**Durée**  
2 ans



**Composante**  
UFR3S -  
Sciences de  
santé et du  
sport



**Langue(s)  
d'enseignement**  
Anglais

### Présentation

Consultez le site du master ABCT : <https://master-abct.univ-lille.fr/>

Plus d'informations sur : <https://ufr3s.univ-lille.fr/formation-initiale>

### Savoir-faire et compétences

The objective of this master's degree is to provide the fundamental knowledge and skills required to properly understand the various applications and issues related to biomedicines, cell and gene therapies. The aim is to provide students with high-quality multidisciplinary training (biochemistry, molecular biology, bioinformatic, cell biology, immunology...) enabling them to acquire the skills, competency and expertise in the field of biological drugs and cellular therapies. This international course offers a solid training for future professionals in academic, clinical and industrial research.

The competencies developed during the two-year ABCT master's program are as follows:

- Design a biomedicine and validate its use in clinical practice
- Design a tissue, cell or gene therapy medicinal product and validate its use in clinical practice
- Understand and analyze the role of microbiota in therapeutics

- Evaluate and optimize the performance of a biomedical product and an ATMP
- Promote a scientific project and communicate its results

### Les + de la formation

The two-year ABCT master is an international program (all courses will be taught in English) developed in collaboration with Ramon LLULL University in Barcelona. This unique program offers specialization in therapies based on biological drugs, with a particular focus on the clinical use of these innovative molecules and their positioning in clinical practice. Finally, the two-year ABCT master's degree gives students an international dimension to their future career path.

### Organisation

#### Organisation

**Advanced Biomedicines and Cell Therapies** master's program is organized in two years:

- Year 1 (M1) "from bench" focuses on biological drugs, their mechanism of action, production, exploratory methods, and control stages. The objective is to provide the fundamental scientific and technical basis necessary for understanding biology-based therapies
- Year 2 (M2) "to bedside" places biologically derived medicines in the context of their clinical use. The objective

is for students to understand the use of these biological drugs in human medicine and the challenges that remain in patient care.

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## Ouvert en alternance

**Type de contrat :** Contrat de professionnalisation.

en M2 possibilité en Contrat professionnalisation

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## Stages

**Stage :** Obligatoire

**Durée du stage :** 5 à 6 mois

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## Admission

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### Conditions d'admission

Le master ABCT étant une nouvelle formation. Les modalités précises de candidature et d'inscription seront renseignées ultérieurement.

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## Et après

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### Poursuite d'études

PhD

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### Insertion professionnelle

Entering professional life is the natural outcome of this program. However, our graduates will have acquired skills that are useful for pursuing higher education, for example in a PhD program, thereby deepening their knowledge in the field of

biomedicine and cell therapy. Overall, various professions can be targeted with the ABCT master's degree, such as

- Research and development executives
  - Specialists in quality assurance and related fields
  - Researcher or research professor
- Several sectors of activities can be targeted:
- Biopharmaceutical industries involved in production of therapies derived from biology
  - Both national and international regulatory authorities (ANSM, HAS, EMA, WHO...)
  - Research laboratories (academic and industrial)
  - Hospitals

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## Infos pratiques

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### Autres contacts

**Contact administratif :**

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## Lieu(x)

📍 Lille - Département de Pharmacie

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## En savoir plus

UFR3S Sciences de Santé et du Sport

🔗 <https://ufr3s.univ-lille.fr/>