

Advanced biomedicines and cell therapies

Master Sciences du médicament et des produits de santé



Durée
2 ans



Composante
UFR3S -
Sciences de
santé et du
sport



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

Présentation

Le site présentant le master ABCT est en cours de construction

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 biomedicinal 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

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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.

Stages

Stage : Obligatoire

Durée du stage : 5 à 6 mois

Admission

Conditions d'admission

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

Et après

Poursuite d'études

PhD

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

Infos pratiques

Autres contacts

Contact administratif :

UFR3S - Département de Pharmacie - Université de Lille
3 rue du Professeur Laguesse
59006 LILLE Cedex
Tél. 03 20 96 40 40
pharma-scolarité@univ-lille.fr

1ère année Master ABCT
DUBOIS Mathilde
Tél. 03 20 96 49 89
pharma-scol-m1@univ-lille.fr

2ème année Master ABCT
JEAN Élodie
Tél. 03 20 96 49 25
pharma-scol-m2@univ-lille.fr

Contact pédagogique :

Christophe CARNOY & Nicolas SIMON

Lieu(x)

 Lille - Département de Pharmacie

En savoir plus

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<https://ufr3s.univ-lille.fr/>

