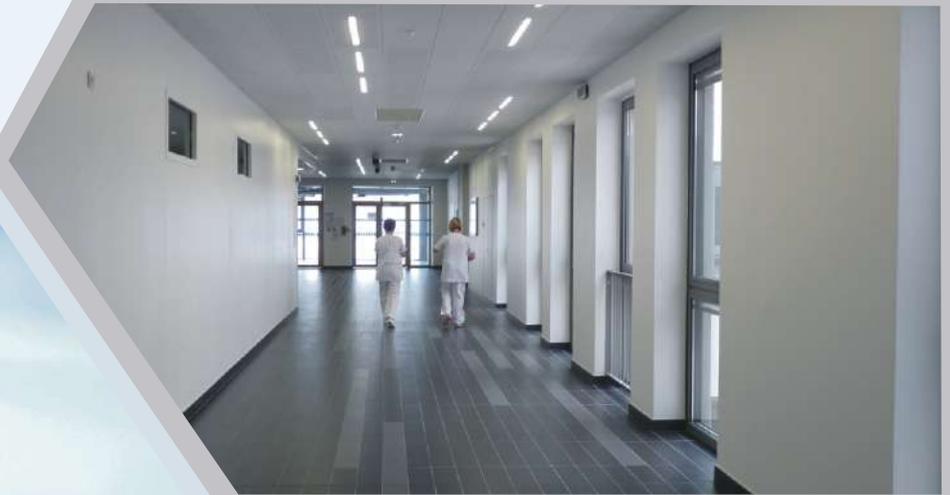


& Research & Innovation

**at the University Hospital
(CHU) of Besançon**



THINK,
INNOVATE,
DIFFUSE,
SHARE...

Meeting health challenges
for better care



CLINICAL & TRANSLATIONAL RESEARCH TOPICS

Three strategic research modules defined in keeping with the national research and innovation strategy and in collaboration with the university of Franche-Comté.

Biotherapy module

This module focuses on a topic developed over several years by the CHU in collaboration with the *Établissement Français du Sang Bourgogne Franche-Comté* (French Blood Establishment of Bourgogne Franche-Comté), recognised with the creation of the Clinical Investigation Centre (CIC-BT) in 2005, now Inserm CIC 1431, and renewed in 2016. Along with UMR - UFC - Inserm 1098, they study the following topics:

- ▶ development and assessment of biotherapies in haematology-oncology,
- ▶ biotherapy and transplantation: cell, tissue and organ transplants,
- ▶ biotherapies for inflammatory diseases,
- ▶ human papillomavirus (HPV),
- ▶ medically assisted procreation (MAP).



RISQUES module

neuro-cardiovascular, infectious and environmental risks

This module focuses on vulnerabilities and risks and their interactions with social change. In cooperation with UMR - CNRS - UFC 6249 Chrono-environment and EA 3920, 481 and 4267, it includes:

- ▶ infectious & microbiological risks, including their environmental dimension,
- ▶ cardioneurovascular risks,
- ▶ addictions and high-risk behaviours,
- ▶ ethics and medical progress (with the "IT at the CIC" module), oriented toward vulnerability.



Technological Innovation module

This module is based on Franche-Comté's unique story, its history in microtechnologies, the existence of a dedicated competitiveness centre, the development of the Femto-ST Institute (UMR CNRS - UFC - ENSEMM - UTBM 6174) and, at the CHU, the current Inserm CIC 1431 Clinical Investigation Centre (CIC-IT), accredited in 2008 and renewed in 2016:

- ▶ emergence,
- ▶ microsystems & biological qualifications,
- ▶ technologies for healthcare in neuropsychiatry, ethics
- ▶ & medical progress (with the RISQUES module).



A consistent, complementary policy



The synergy between the CHU, the university of Franche-Comté (UFC) and the research units ensures a strong, consistent site policy.

The university-hospital agreement, revised in 2016, ensures consistent research strategies for the two institutions (CHU & UFC). It defines the framework for implementing partnerships, notably through a joint research strategy, but also joint research teams and pooled equipment and platforms. The CRBSP (*Comité de la Recherche en matière Biomédicale et de Santé Publique* - Biomedical and public health research committee), the strategic steering committee, coordinates research policies between the CHU, the university of Franche-Comté and Aviesan, which brings together EPSTs (*Etablissements Publics à caractère Scientifique et Technologique* - Public scientific and technological institutions). This coordination with the UFC reinforces the site's research policy. The CRBSP, chaired by the president of the UFC, is where this university-hospital synergy comes to life.

CHU governance and research centre

The research centre at the CHU university hospital centre of Besançon, headed by Pr. Macha Woronoff, Vice-President for Research, brings together and coordinates all the CHU's units and structures working in research. It is backed up by a committee of experts in charge of examining the research projects proposed in response to the various calls for projects (local, regional, interregional and national) and reflections on improving performances.



Ambitious partnerships

The CHU belongs to the consortium coordinated by the University of Bourgogne Franche-Comté (COMUE UBFC), which obtained the project BFC I-SITE project¹ in February 2016. Its strategic research modules are fully integrated into the 3 fields on the I-SITE:

- ▶ advanced materials, waves and intelligent systems,
- ▶ territories, environment and food,
- ▶ personalised and integrated care.

The BFC I-SITE received an endowment with an annual flow of 10 million euros. This partnership strengthens the CHU University Hospital Centre of Besançon's position as a stakeholder in research in the Bourgogne Franche-Comté region. With a presence at the microtechnology competitiveness cluster, the CHU is following a strategy of research and innovation at the Besançon site and beyond the Bourgogne Franche-Comté region. Joint thematic seminars put into practice the synergy between the industries at the cluster and the clinicians at the CHU. Receiving the French Tech label, and notably its Health Tech version, has reinforced this convergence. A strong partnership brings together the CHU and the BFC EFS. They thus provide support for the development of the biotherapy module with a shared biomonitoring platform, but also the MTI (*Médicaments de Thérapie Innovante* Innovative Treatment Medicines) platform at the BFC EFS.

¹<http://www.ubfc.fr/projet-i-site/>



DAILY INNOVATION FOR HEALTHCARE

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chu-besancon.fr/recherche