

Fiche mise à jour le 28/02/2024 ■

200817513F : BRM Bacterial RNAs and Medicine (ARN bactériens et médecine) - Unité de recherche

Responsables

Directeur - Vincent CATTOIR à partir du 16/03/2021

vincent.cattoir@univ-rennes.fr

Directeur-adjoint - Yoann AUGAGNEUR à partir du 15/09/2021

yoann.augagneur@univ-rennes.fr

Adresse : Université de Rennes 1, Campus de Villejean, 2 Avenue du Pr Léon Bernard - CS 34317 35043 Rennes

Site : <http://biochpharma.univ-rennes.fr/>

Descriptif : The BRM (Bacterial RNAs & Medicine) mono-team research unit is jointly affiliated to Inserm and University of Rennes with strong links with the Rennes University Hospital (the Department of Clinical Bacteriology, the National Reference Center “Antibiorésistance”, the Department of Infectious Diseases and the Clinical Investigation Center). It is composed of both researchers and clinicians developing a transdisciplinary and translational research at the interface of microbiology, biochemistry, molecular and cell biology, chemistry and clinics. BRM uses ‘state-of-the-art’ complementary approaches from molecular mechanisms to ‘omics’, phenotypes, host-bacteria interactions, as well as different animal models of bacterial infections to unravel mechanisms of bacterial adaptation. The ambition of the team is to understand how bacterial pathogens reprogram gene expression through RNA and protein regulators, to develop novel diagnostic tools and therapeutics against multi-drug resistant (MDR) bacteria including *Staphylococcus aureus*, *Enterococcus faecium* and *Enterobacter cloacae* complex. Three interconnected axes are developed in the team: 1) discovery of physiological and pathogenicity implications of RNA and protein regulators , 2) study of host-pathogen interactions and antibiotic persistence, and 3) Mechanisms of antimicrobial resistance and development of novel antibacterial strategies

Ecole(s) doctorale(s) de rattachement :

- SCIENCES DE LA VIE ET DE LA SANTÉ (SVS)

Rattachée au(x) thème(s) de recherche suivant(s):

- Microbiologie et Biologie moléculaire

Liens avec d'autres structures :

Aucun

Contact: vincent.cattoir@univ-rennes.fr

Année de création :2008

Site ESR : Aucun

Classement scientifique ERC :

- LS6 : Immunity, Infection and Immunotherapy : The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies

Domaine scientifique :

- 5 : Biologie, médecine et santé 2008

Etablissements

test

Image not found or type unknown

INSERM -
Institut
national de la
santé et de la
recherche
médicale (U
1230)
(établissement
tutelle à partir
de 2012)

test

Image not found or type unknown

RENNES -
Université de
Rennes (EPE)
(U 1230)
(établissement
tutelle à partir
de 2012)

**Etablissement
référent**

Historique

- Filiation
 - Structure(s) mère(s) :
 - ETUDE STRUCTURALE ET CONCEPTION DE NOUVEAUX ANTIBIOTIQUES SE FIXANT À L'ARNTM
- Libelle(s) de structure
 - 06/03/2017 : BRM
 - 06/03/2017 : Bacterial regulatory RNAs and Medicine (ARN régulateurs bactériens et médecine)
 - 11/01/2017 : BRN
 - 11/01/2017 : Bacterial regulatory RNAs and Medicine
 - 04/04/2012 : UMR_S835
 - 04/04/2012 : FONCTION STRUCTURE ET INACTIVATION D'ARN BACTERIENS
- Responsable
 - 01/01/2012 - 05/03/2021 : Brice FELDEN (Directeur)
 - 01/01/2012 - 01/01/2012 : Brice FELDEN (DIR)
- Label et Numéro d'établissement
 - 11/03/2022 : **U 1230**
RENNES - Université de Rennes (EPE) (U 1230)
 - 09/04/2018 : **U 1230**
INSERM - Institut national de la sante et de la recherche medicale (U 1230)
 - 19/04/2012 : **U 835**
INSERM - Institut national de la sante et de la recherche medicale (U 1230)
- Domaines scientifiques
 - 2008 - 2012 : 10- Sciences agronomiques et écologiques
- Classement scientifique ERC
 - 2012 - 2012 : LS1- Molecules of Life: Biological Mechanisms, Structures and Functions : Molecular biology, biochemistry, structural biology, molecular biophysics, synthetic and chemical biology, drug design, innovative methods and modelling
 - 2012 - 2012 : LS2- Integrative Biology: from Genes and Genomes to Systems : Genetics, epigenetics, genomics and other 'omics studies, bioinformatics, systems biology, genetic diseases, gene editing, innovative methods and modelling, 'omics for personalised medicine
 - 2012 - 2012 : LS6- Immunity, Infection and Immunotherapy : The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies
 - 2008 - 2011 : LS7- Prevention, Diagnosis and Treatment of Human Diseases : Medical technologies and tools for prevention, diagnosis and treatment of human diseases, therapeutic approaches and interventions, pharmacology, preventative medicine, epidemiology and public health, digital medicine
- Etablissements
 - 2012 - 2022 : RENNES 1- Université Rennes 1

- 2008 - 2011 : RENNES 1- Université Rennes 1
- 2008 - 2011 : INSERM- Institut national de la sante et de la recherche medicale