



# Centre de Biologie Structurale - CBS

## UMR5048 CNRS – U1054 INSERM – UNIVERSITE DE MONTPELLIER

**Director:** E. Margeat, DR CNRS  
**Deputy Directors:** M. Cohen-Gonsaud, CRCN CNRS  
 V. Delfosse, CRCN CNRS

**Administrative Officers :** F. Lepage, IE CNRS  
 D. Debain, IE INSERM

Total staff : 150  
 (permanent: 71; non permanent: 79)

### Research

#### Department of Structural Biology

##### Teams

**Biomolecular Structure, Function and Dynamics by NMR**  
*C. Roumestand, N. Declerck*

**Structure and Function of Highly Flexible Proteins**  
*P. Bernado, N. Sibille*

**Multiscale Structural Biology**  
*P. Bron*

**Advanced Biology, Chemistry, Informatics Studio**  
*G. Labesse*

**Nuclear Receptors as Integrators of Endogenous & Environmental Signals**  
*W. Bourguet, A. Le Maire*

**Multiscale Biomolecular Modeling**  
*A. Barducci*

**Chromosomal Structure & Homologous Recombination during Meiosis**  
*T. Robert*

#### Department of Biophysics & Bioengineering

##### Teams

**Mechanisms of DNA Segregation and Remodelling**  
*M. Nollmann*

**Physics and Mechanics of Biological Systems**  
*M. Abkarian, F. Pedaci*

**Integrative Biophysics of Membranes**  
*P-E. Milhiet, E. Margeat*

**Synthetic Biology**  
*J. Bonnet, M. Cohen-Gonsaud*

**Synthetic & Functional Genomics**  
*G. Cambray*

### Platforms

**PIBBS:** Manager H. Déméné  
**IBISA:** Mng. M. Cohen-Gonsaud

#### NMR

*K. Montet de Guillen*  
 Managers: N. Sibille

#### Crystallography

*M. Gelin, F. Hoh*  
 Manager: V. Delfosse

#### Cryo-electronic Microscopy

*J. Lai Kee Him*  
 Manager: P-E. Milhiet

#### Biophysical Characterizations

*F. Allemand*  
 Manager: A. Le Maire

#### Bio-informatics

*J-L. Pons*  
 Manager: G. Labesse

Managers: M. Cohen-Gonsaud, W. Bourguet

FRISBI

#### Chemo-informatics

*M. Gelin*  
 Manager: G. Labesse

ChembioFr  
Mng. : G. Labesse

#### AFM

*C. Godefroy*  
 Manager: L. Costa

#### Biophotonics Imaging

*C. Clerté*  
 Manager: C. Doucet

Manager: E. Margeat

FBI

#### MARS

*J-B. Fiche*  
 Manager: A. Le Gall

### Common Services

#### Administrative

**Finances:** D. Debain, F. Lepage, M. Boutin,

**Human Resources:** F. Lepage, M. Leportier

**Travel:** M. Boutin, A. Ould Bouamama

#### Health and safety

*K. Montet de Guillen*  
*C. Clerté*

*A. Ancelin*

#### IT Service

Manager: J-L. Pons  
*J. Hahusseau*

*V. Moreau*  
 Webmaster: J. Gracy

#### Biochemistry / Molecular Biology Internal Platform

*F. Allemand*  
*M. Cohen-Gonsaud*

#### Washing Facility

Resp.: C. Carivenc (CBS29 site)  
 C. Godefroy (CBS60 site)

#### Technical Service

*P. Didier*

# PIBBS PLATFORM - 8 TECHNICAL FACILITIES

## NMR

*Contact.:* Karine MONTET DE GUILLEN (IRCN, INSERM)

*Scient Mngr:* Nathalie SIBILLE (DR2, CNRS)

Team: C. Roumestand (PU, UM), H. Déméné (DR2, CNRS),  
P. Barthe (IRHC UM), Y. Yang (IRCN, CNRS)

## Crystallography

*Contact.:* Muriel GELIN (IRCN, CNRS), François HOH (IRCN, CNRS)

*Scient Mngr.:* Vanessa DELFOSSE (CRCN, CNRS)

Team: C. Carivenc (AI, CNRS), J-F. Guichou (PR, UM), A. Le Maire  
(CRCN, CNRS), W. Bourguet (DR1, INSERM), G. Labesse (DR2, CNRS)

## Cryo-Electronic Microscopy

*Contact.:* Joséphine LAI KEE HIM (IRCN, CNRS)

*Scient Mngr:* Pierre-Emmanuel MILHIET (DR1, CNRS)

Team: **A. Ancelin (AI, INSERM)**

## Bio-informatics

*Contact.:* Jérôme GRACY (IRCN, CNRS), Jean-Luc PONS (IRCN, CNRS)

*Scient Mngr:* Gilles LABESSE (DR2, CNRS)

Team: V. Moreau (IRCN, CNRS)

## AFM

*Contact.:* Cédric GODEFROY (IEHC, UM)

*Scient Mngr.:* Luca COSTA (CRCN, CNRS)

Team: C. Doucet (CRCN, CNRS), P.E. Milhiet (DR1, CNRS)

## Biophotonics Imaging & MARS

*Contact.:* Caroline CLERTÉ (IRCN, INSERM), Jean-Bernard FICHE  
(IRCN, INSERM)

*Scient Mngr:* Christine DOUCET (CRCN, CNRS), Antoine LE GALL  
(CRCN, CNRS)

Team: E. Margeat (DR2, CNRS), M. Nollmann (DR1, CNRS)

## Biophysical Characterizations

*Contact.:* Frédéric ALLEMAND (IRCN, CNRS)

*Scient Mngr.:* Albane LE MAIRE (CRCN, CNRS)

Team: Muriel Gelin (IRCN, CNRS), Corinne Lionne (DR2, CNRS)

## Chemo-informatics

*Contact.:* Muriel GELIN (IRCN, CNRS)

*Scient Mngr:* Gilles LABESSE (DR2, CNRS)

Platform Staff :

Permanent: **1 ITA (not listed in teams)**

# COMMON SERVICES

## Administrative

Marion BOUTIN (AI, INSERM)

Didier DEBAIN (IECN, INSERM)

Florence LEPAGE (IECN, CNRS)

Manon LEPORTIER (TCN, CNRS)

Anissa OULD BOUAMAMA (TCN, INSERM)

## Washing Facility

Alexis BANCE (Vac, INSERM – 25%)

Coralie CARIVENC (AI, CNRS)

Cédric GODEFROY (IEHC, UM)

Olivia MARTIN (AJT CDD, CNRS – 25%)

Lena VUKIC (Vac, UM – 25%)

## Health & Safety

Aurélie ANCELIN (AI, INSERM)

Caroline CLERTE (IRCN, INSERM)

Karine MONTET DE GUILLEN (IRCN, INSERM)

## Technical Service

Philippe DIDIER (TCS, CNRS)

## Common IT Service

Jérôme GRACY (IRCN, CNRS)

Jérôme HAHUSSEAU (AI, CNRS)

Violaine MOREAU (IRCN, CNRS)

Jean-Luc PONS (IRCN, CNRS)

## Biochemistry / Molecular Biology Internal Platform

Frédéric ALLEMAND (IRCN, CNRS)

Coralie CARIVENC (AI, CNRS)

Martin COHEN-GONSAUD (CRCN, CNRS)

Angélique DE VISCH (AI, INSERM)

Aurélie FOURNET (AI, INSERM)

Permanent staff listed in the teams: 14 ITA

**Permanent: 6 ITA**

**Non-permanent: 3 ITA**

**Total : 9**

# DEPARTMENT OF STRUCTURAL BIOLOGY TEAMS

## Team 1: BIOMOLECULAR STRUCTURE, FUNCTION AND DYNAMICS BY NMR

**ROUMESTAND Christian (PUCE, UM)**  
**DECLERCK Nathalie (DR2, INRAE)**  
ALATTIA Jean-René (MC CDD, UM)  
BARTHE Philippe (IGRHC, UM)  
BOURCET Léo (T CDD, INRAE)  
CARGEMEL Claire (Researcher CDD, CNRS)  
CHILLARD Léo (PhD, CNRS)  
DELBECQ Stéphane (PU, UM)  
DELHOMMEL Florent (CRCN, CNRS)  
MAIDMENT Josephine (IR CDD, INRAE)  
MONTET DE GUILLEN, Karine (IRCN, INSERM)  
MOUBRI MENAGE Karina (MC, UM)  
NOELL Julie (T CDD, UM)

## Team 2: STRUCTURE AND FUNCTION OF HIGHLY FLEXIBLE PROTEINS

**BERNADO Pau (DR2, INSERM)**  
**SIBILLE Nathalie (DR2, CNRS)**  
ABO ARAB Rayan (PhD, UM/ILL) – 50%  
ALLEMAND Frédéric (IRCN, CNRS)  
FOURNET Aurélie (AI, INSERM)  
KUMANSKI Sylvain (AI CDD, INSERM)  
RODRIGUEZ, Santiago (Researcher CDD, INSERM)

## Team 3: MULTISCALE STRUCTURAL BIOLOGY

**BRON, Patrick (DR2, INSERM)**  
HOH François (IRCN, CNRS)  
LAI KEE HIM Joséphine (IRCN, CNRS)  
TRAPANI Stefano (MC, UM)

## Team 4: ADVANCED BIOLOGY, CHEMISTRY, INFORMATICS STUDIO

**LABESSE, Gilles (DR1, CNRS)**  
BLANC EMILIE (IE CDD, UM)  
DELFOSSÉ Vanessa (CRCN, CNRS)  
DONNIER Elsa (PhD, CNRS)  
FRAZIER Léa (PhD, U Nîmes – 50%)  
GELIN Muriel (IRCN, CNRS)  
GRACY Jérôme (IRCN, CNRS)  
GUICHOU Jean-François (PR, UM)  
KRIMM Isabelle (DR2, CNRS)  
LIONNE Corinne (DR2, CNRS)  
MARY Charline (Researcher CDD, CNRS)

MEZGHRANI Alexandre (CRCN, CNRS)  
PONS Jean-Luc (IRCN, CNRS)  
RINALDI Clara (AI CDD, CNRS)  
SOBRON Lua (IR CDD, CNRS)  
TOMASZCZYK Mathilde (PhD, UM)

## Team 5: NUCLEAR RECEPTORS AS INTEGRATORS OF ENDOGENOUS AND ENVIRONMENTAL SIGNALS

**BOURGUET William (DR1, INSERM)**  
**LE MAIRE Albane (CRCN, CNRS)**  
CARIVENC Coralie (AI, CNRS)  
DANSETTE Justine (IE CDD, UM)  
GERMAIN Pierre (CRCN, INSERM)  
GRUSZCZYK Jakub (CRCN, INSERM)  
GUESDON Audrey (Researcher CDD, INSERM)  
MALLET Manon (PhD, UM)  
MARTIN Yéléna (IE CDD, UM)  
MORENO BARBOSA Glaucé (Researcher CDD, CNRS)  
SANFILIPPO Axel (PhD, INSERM)  
TAMBONES Izabella (PhD, CNRS)

## Team 6: MULTISCALE BIOMOLECULAR MODELING

**BARDUCCI Alessandro (DR2, INSERM)**  
BEREZOVSKA Yelyzaveta (Researcher CDD, INSERM)  
BOCCALINI Matteo (PhD, UM)  
CIANDRINI Luca (MC, UM)  
ERBA Davide (PhD, INSERM)  
FUCHS Philippe (PhD, UM)  
KEISERS Johannes (PhD, UM)  
KONIUKOV Georgii (PhD, INSERM)  
LAVAGNA Enrico (Researcher CDD, INSERM)  
PATINO SUAREZ Maryalbis (PhD, UM)

## ATIP-Avenir Team : CHROMOSOMAL STRUCTURE & HOMOLOGOUS RECOMBINATION DURING MEIOSIS

**ROBERT Thomas (DR2, CNRS)**  
DAL TOE Laurine (PhD, UM)  
DE MUYT Arnaud (CRCN, INSERM)  
DIAGOURAGA Boubou (IR CDD, CNRS)  
NORE Alexandre (Researcher CDD, CNRS)

Permanent staff: 23 Researchers, 10 ITA  
Non permanent: 9 Postdocs, 15 PhD Students, 10 ITA  
Total: 67

# DEPARTMENT OF BIOPHYSICS & BIOENGINEERING TEAMS

## Team 7: MECHANISMS OF DNA SEGREGATION AND REMODELLING

### **NOLLMANN Marcelo (DR1, CNRS)**

DEVOS Xavier (IR CDD, CNRS)  
DIDIER Philippe (TCS, CNRS)  
ELKHOURY YOUHANNA Christel (PhD, CNRS)  
FERMON Laurence (IR CDD, CNRS)  
FICHE Jean-Bernard (IRCN, INSERM)  
GANESH Gautham (PhD, UM)  
HOUBRON Christophe (IRCN, INSERM)  
LE GALL Antoine (CRCN, CNRS)  
LLERES David (CRCN, CNRS)  
MAS Anna (PhD, UM)  
SCHAEFFER Marie (CRCN, INSERM)

## Team 8: PHYSICS AND MECANICS OF BIOLOGICAL SYSTEMS

### **ABKARIAN Manouk (DR2, CNRS)**

### **PEDACI Francesco (DR2, CNRS)**

ASTEZAN Amélie (IE CDD, CNRS)  
BIQUET BISQUERT Anais (Researcher CDD, CNRS)  
DOMITIN Sylvain (PhD, CNRS)  
FULCRAND Rémy (IRCN, CNRS)  
GREMMELSPACHER Clara (PhD, UM/U. Bayreuth) – 50%  
HOFFMANN William (Researcher CDD, CNRS)  
LETURCQ Simon (IE CDD, CNRS)  
MARMOL Malo (Researcher CDD, CNRS)  
NORD Ashley (CRCN, CNRS)  
SCHINK Adrian (PhD, CNRS)  
VOYVODIC Peter (IR CDD, CNRS)  
XABADA Tristan (PhD, UM – 50%)

## Team 9: INTEGRATIVE BIOPHYSICS OF MEMBRANES

### **MARGEAT Emmanuel (DR1, CNRS)**

### **MILHIET Pierre-Emmanuel (DR1, CNRS)**

BELLOT Gaëtan (CRCN, INSERM)  
CLERTE Caroline (IRCN, INSERM)  
COSTA Luca (CRCN, CNRS)  
COSTES Emilie (PhD, UM)  
DÉMÉNÉ Hélène (DR2, CNRS)  
DERRAC, Anaïs (AI CDD, CNRS)  
DOSSET Patrice (IEHC, CNRS)  
DOUCET Christine (CRCN, CNRS)  
FINKEL Julie (Researcher CDD, CNRS)

GODEFROY Cédric (IEHC, UM)  
KUCINIC Anjelica (Researcher CDD, INSERM)  
MERIC Lena (AI CDD, CNRS)  
MOARBESS Elia (PhD, CNRS – 50%)  
QUAST Robert (CRCN, INSERM)  
ROY Ajit (IE CDD, CNRS)  
SANTAMARIA Andreas (Researcher CDD, CNRS)  
TRIOMPHE Nicolas (PhD, CEA – 50%)  
WILKENS Gerrit (Researcher CDD, INSERM)  
YANG Yinshan (IRCN, CNRS)

## Team 10: SYNTHETIC BIOLOGY

### **BONNET Jérôme (DR2, INSERM)**

### **COHEN-GONSAUD Martin (CRCN, CNRS)**

ABI KHALIL Amanda (IR CDD, INSERM)  
BELLO Maxime (IE CDD, INSERM)  
BOUSSAU Quentin (PhD, UM)  
BRUYERE Judith (PhD, UM)  
CAPIN Julien (Researcher CDD, INSERM)  
CASAS Alexis (Researcher CDD, INSERM)  
CATTONI Diego (CRCN, INSERM)  
CHABERT Emilie (PhD, ENS-Lyon)  
COUBET Alexis (Researcher CDD, INSERM)  
DE VISCH Angélique (AI, INSERM)  
ESPEUT Julien (IR CDD, INSERM)  
GARATE Carla (Researcher CDD, INSERM)  
GROSJEAN Estelle (PhD, INSERM)  
GUYOT Mélanie (IE CDD, INSERM)  
HANI Habib (CRCN, CNRS)  
LEVRIER Antoine (Researcher CDD, INSERM)  
MASSET Suzanne (PhD, INSERM)  
MAYONOVE Pauline (AI, INSERM)  
MOREAU Violaine (IRCN, CNRS)  
SASSON Chloé (PhD, INSERM)  
WOLLSCHIEDT Fabien (Apprentice, INSERM)  
ZUNIGA SEPULVEDA Ana (CRCN, INSERM)

## ATIP-Avenir Team : SYNTHETIC AND FONCTIONAL GENOMICS

### **CAMBRAY Guillaume (CRCN, INRAE)**

CHOUFANI Charbel (PhD, UM)

Permanent staff: 20 Researchers, 11 ITA  
Non permanent: 12 Postdocs, 17 PhD Students, 12 ITA, 1 Apprentice  
Total: 73