



METAB-OMICS

Multimomics and pathophysiology of metabolic disorders

UMR 1283/8199

Amélie Bonnefond, Director

Inserm



Université de Lille



Institut Pasteur de Lille



TEAM 1: (Epi)genomics of Metabolic Diseases

Headed by Amélie BONNEFOND (DR1 INSERM)

Researchers

Philippe FROGUEL, PUPH Univ-CHU Lille
Amna KHAMIS, PU Lille Univ
Pascale BENLIAN, MCPPH CHU Lille
Christophe BRETON, PU Lille Univ
Nicolas GAMBARDILLA, DR CNRS
Jean-Louis GUEANT, PU-PH, Univ de Lausanne
Lauriane LE COLLEN, PHC CHU Toulouse
Xavier MARECHAL, IR Univ Lille
Louise MONTAGNE, MCPPH GHICL
Frederik OGER, Chercheur Contractuel INSERM
Pierrette PERIMENIS, PUPH GHICL
Inga PROKOPENKO, PU Surrey Univ
Raphaël SCHARFMANN, DR INSERM
Anne VAMBERGUE, PUPH Univ-CHU Lille
Martine VAXILLAIRE, DR IPL
Fritz-Line VELAYOUDOM, MCU-PH CHU Guadeloupe

Post-doc and fellows

Audrey DEPRINCE, Post-Doc INSERM
Marwa AFNOUCH, Post-Doc CNRS
Sarah MEULEBROUCK, IR INSERM
Smaïn FETTEM, IR Lille Univ
Zahra ELHAMRAOUI, Post-doc Lille Univ

PhD Students

Bénédicte TOUSSAINT, INSERM (2024-2027)
Omima BINAN, Lille Univ (2024-2027)
Zeinab RAMMAL, CNRS (2025-2028)
Salla AKERBLOM, CNRS (2025-2028)

TEAM 2: Metabolome, Microbiome, and Metabolic Diseases

Headed by Marc-Emmanuel Dumas (DR2 CNRS)

Post-doc and fellows

Ines CASTRO DIONICIO, Post-Doc Lille Univ
Francesc PUIG CASTELLVI, Post-Doc CNRS
Zahra ELHAMRAOUI, Post-Doc Lille Univ

PhD Students

Chaima TOUAIBI, Lille Univ (2023-2026)
Zhaojie WANG, CNRS (2023-2026)
Salla AKERBLOM, CNRS (2025-2028)

Technology platforms and supporting staff

Next-generation sequencing / Multi-omics (Supervised by B. TOUSSAINT and A. BONNEFOND)

Bénédicte TOUSSAINT, IE INSERM
Raphaël BOUTRY, AI Lille Univ
Auréli DECHAUME, IE Lille Univ
Frédérique DE POOTER, T Lille Univ
Audrey DEPRINCE, Post-Doc INSERM
Corentin GIRARD, IE Lille Univ
Naomie RAMPHFT, IE IPL
Emmanuel VAILLANT, IE CNRS
Sylvie POULAIN, AI CNRS

BioBank (Supervised by F. ALLEGAERT and A. BONNEFOND)

Frédéric ALLEGAERT, IE Lille Univ
Timothée BEKE, AI Lille Univ

Mass-spectrometry-based metabolomics (Supervised by I. CASTRO DIONICIO and M.-E. DUMAS)

Ines CASTRO DIONICIO, Post-Doc Lille Univ
Lydia BOUIDGHAGHEN, IE Lille Univ
Joséphine DUMONT, IE Lille Univ
Francesc PUIG CASTELLVI, Post-Doc CNRS
Zahra ELHAMRAOUI, Post-Doc Lille Univ

In vivo studies (Supervised by X. MARECHAL and C. BRETON)

Xavier MARECHAL, IR Univ Lille
Christophe BRETON, PU Lille Univ
Jessica MONTAIGNE, AI Lille Univ
Judith MERRHEIM, IR INSERM
Claire DEVOS, IE Univ Lille

Functional genetics (Supervised by F. OGER and J. DELPLANQUE)

Frédéric OGER, Chercheur contractuel INSERM
Jérôme Delplanque, IR CNRS
Claire DEVOS, IE Univ Lille
Victoria SCHERRER, IE Lille Univ
Audrey LELOIRE, AI CNRS
Hélène LOISELLE, AI Lille Univ
Victoria SCHERRER, IE Lille Univ
Judith MERRHEIM, IR INSERM
Sarah MEULEBROUCK, IR INSERM

Administration (Supervised by H. DE GAVRE and V. VATIN)

Hélène DE GAVRE, IE CNRS
Vincent VATIN, CG IPL
Nicolas KUREZOBA, T Lille Univ
Constance LOISELLE, T Lille Univ
Caroline GAVELLE, T INSERM
Lisa MOCHON, IE Lille Univ

Research Partnerships and Knowledge Transfer (Supervised by G. PULVERMULLER)

Gilles PULVERMULLER, IR CNRS
Matthias VANDESQUILLE, IR Lille Univ
Lisa MOCHON, IE Lille Univ
Constance LOISELLE, T Lille Univ

Health and safety (Supervised by E. VAILLANT)

Emmanuel VAILLANT, IE CNRS
Auréli DECHAUME, IE Lille Univ
Jessica MONTAIGNE, AI Lille Univ

Data Science (Supervised by M. DERHOURHI and S. GAGET)

=> Software engineering & scientific data
Stefan GAGET, IR CNRS
=> Bioinformatics and Biostatistics
Mehdi DERHOURHI, IR CNRS
Emmanuel BUSE FALAY, IE Lille Univ
Marie FOURCOT, IE IPL
Shuangshuang GENG, IE INSERM
Souhila GRESSIER, IE Lille Univ
Emma HENRIQUES, IE INSERM
=> Artificial intelligence
Nicolas GAMBARDILLA, DR CNRS
Marwa AFNOUCH, Post-doc CNRS
Zahra ELHAMRAOUI, Post-doc Lille Univ
Smaïn FETTEM, IR Lille Univ

IT infrastructure and data security (Supervised by A.-S. LEDOUX)

Anne-Sophie LEDOUX, IR CNRS
Vincent MASSY, IE Lille Univ

Board of Directors

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- Gilles PULVERMULLER, Head of Research Partnerships and Knowledge Transfer
- Marc-Emmanuel DUMAS, Team #2 leader
- Hélène DE GAVRE, Administrative Manager
- Philippe FROGUEL, previous Director

Rising Group #1; TEAM 1: Epigenomics in aging & metabolic diseases

Headed by Amna KHAMIS (PU Univ Lille)

PhD Students: Omima BINAN, Zeinab RAMMAL

Supporting staff: Marie FOURCOT IE

Rising Group #2; TEAM 1: AI for (cardio)metabolic disorders

Headed by Nicolas GAMBARDILLA (DR CNRS)

Post-doc and fellows: Marwa AFNOUCH Post-Doc, Smaïn FETTEM IR, Zahra ELHAMRAOUI Post-doc
PhD Students: Omima BINAN, Salla AKERBLOM

Rising Group #3; TEAM 2: Computational Metabolomics and the Chemical Exposome in Metabolic Disorders

Headed by Francesc PUIG CASTELLVI (Post-Doc CNRS)

Post-doc and fellows: Zahra ELHAMRAOUI Post-Doc
Supporting staff: Lydia BOUIDGHAGHEN IE

Legends:

AI or T	Technician
IE or CG	Research Assistant
IR, ID, ARC	Research Associate
CR or CRCN	Research Scientist
DR	Research Director
MCU	Lecturer
PH	Hospital Consultant
PM	Projet Manager
PU	University Professor

Total number of agents: 67
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