

Next-Generation Antiviral Therapeutics: Bridging Innovation and Medicinal Chemistry

organised by

Coordinated Action “Viral Targets for Diagnostics, Therapeutics and Vaccines”
ANRS MIE and the Fondation de la Maison de la Chimie

25-26 September 2025, in-person

Amphithéâtre Bernard Bigot, Maison de la Chimie
28 rue Saint-Dominique, 75007 Paris

Thursday 25th September

10h00 – 10h30 Welcoming coffee and Registration

10h30 – 11h10 Introduction

10h30 – 10h40 Opening Remarks

Philippe Goebel, President of the Fondation de la Maison de la Chimie

10h40 – 10h55 Role of medicinal chemistry in drug innovation

Bernard Meunier, Emeritus Director of Research at CNRS, Member of Académie des Sciences et de l'Académie Nationale de Pharmacie

10h55 – 11h10 Introduction of the Coordinated Action ‘Viral Targets for Diagnostics, Therapeutics and Vaccines’

Bruno Canard (CNRS Université Aix Marseille) / **Delphine Planas** (Institut Pasteur), Co-presidents of ‘Viral Targets’ CA

11h10 – 12h20 From the perspective of a young researcher

Chaired by **Bruno Canard** (CNRS Université Aix Marseille) and **François Ferron** (CNRS Université Aix Marseille)

11h10 – 11h20 Introduction of ANRS MIE and Start Programme

(ANRS MIE)

11h20 – 11h50 “Synthesis and evaluation of novel inhibitors of the Denv NS3-NS5protein-protein interaction”

Tereza Horackova (Université de Prague)

11h50 – 12h20 “The respiratory syncytial virus polymerase complex: a breeding ground for antivirals still challenging to inhibit in vivo”

Julien Sourimant (INRAE)

12h20 – 14h00 Lunch

14h00 – 16h00 From the perspective of an academic chemist

Chaired by **Karine Alvarez** (Université Aix Marseille) and **Suzanne Peyrottes** (Université Montpellier)

14h00 – 14h30 *“Designing the MedChem dashboard to deliver novel highly potent anti-SARS-CoV-2 compounds”*

Julie Charton (Université de Lille)

14h30 – 15h00 *“Design and preclinical development of LAVR-289, an acyclo-nucleoside phosphonate with a broad-spectrum activity against DNA viruses”*

Luigi Agrofoglio (Institut de Chimie Organique et Analytique, Orléans)

15h00 – 15h30 *“Bridging Chemistry and Biology to target the Epigenetics in infectious diseases”*

Paola Arimondo (Institut Pasteur, Paris)

15h30 – 16h00 *“Chemical Biology Approaches in Targeting Viral Methyltransferases”*

Radim Nencka (Institute of Organic Chemistry and Biochemistry of the CAS, Prague)

16h00 – 16h20 Coffee Break

16h20 – 17h50 From the perspective of a biotech startup

Chaired by **Olivier Terrier** (CIRI Lyon) and **Sandrine Belouzard** (Institut Pasteur Lille / CIIL)

16h20 – 16h50 *“Metabolic engineering of Escherichia coli towards new sugar-based anti-microbial agents”*

Emeline Richard-Millot (AIS Biotech, VirPath, Lyon, Cermav, Grenoble)

16h50 – 17h20 *“Novel targeted therapies against Epstein-Barr virus associated diseases”*

Patrice André (Hormae Pharma, Lyon)

17h20 – 17h50 *“A journey in antiviral research”*

Arnaud Marchand (CD3/CISTIM, Leuven, Belgium)

17h50 – 18h30 Closing First Day

17h50 – 18h10 **Sandrine Sagan**, Director of Institut de Chimie CNRS

18h10 – 18h30 **Jean-Luc Moullet**, General Director of Research and Innovation, Ministry of Higher Education and Research

19h00 – 20h00 Seated dinner

Friday 26th September

09h00 – 09h15 Welcoming coffee and Registration

09h15 – 12h15 From a biologist's perspective

Chaired by **Delphine Planas** (Institut Pasteur) and **Pablo Guardado-Calvo** (Institut Pasteur)

09h15 – 09h45 “Studying lentiviral capsid proteins as therapeutic targets”

Christophe Guillon (Institut de Biologie et Chimie des Protéines, Université de Lyon)

09h45 – 10h15 “New antiviral approaches targeting the Host chromatin invasion by integrative virus”

Vincent Parissi (Microbiologie Fondamentale et Pathogénicité, Université de Bordeaux)

10h15 – 10h45 “How can Artificial Intelligence help discover new drugs?”

Malika Smail-Tabbone (Université de Lorraine, LORIA, Nancy)

10h45 – 11h15 Coffee Break

11h15 – 11h45 “Structural and functional studies of the SARS-CoV2 replication complex and its inhibitors”

Ashleigh Shannon (AFMB, CNRS Université Aix Marseille)

11h45 – 12h15 “Evotec integrated drug discovery platforms, a driver of antiviral innovation”

Antoine Alam (Evotec ID, Lyon)

12h15 – 12h45 Closing Last Day

12h15 – 12h30 “Coordinating Antiviral Therapeutics Research for Emerging Viral Threats”

Armand Mbanya (International Pandemic Preparedness Secretariat, London)

12h30 – 12h45 Closing remarks

Yazdan Yazdanpanah, Director of ANRS Emerging Infectious Diseases

Suzanne Peyrottes (Université Montpellier) / **Karine Alvarez** (Université Aix Marseille)

Scientific and Organising Committee :

Fondation de la Maison de la Chimie :

Philippe Goebel, President of the Fondation de la Maison de la Chimie

Professeur Bernard Meunier, Emeritus Director of Research at CNRS, Member of Académie des Sciences et de l'Académie Nationale de Pharmacie

CA Viral Targets:

Bruno Canard, co-President, Université Aix Marseille / CNRS

Delphine Planas, co-President, Institut Pasteur

Karine ALVAREZ, Université Aix Marseille

Suzanne PEYROTTE, Université Montpellier

François FERRON, Université Aix Marseille

Allison BALLANDRAS-COLAS, CNRS IBS Grenoble

Sandrine BELOUZARD, Institut Pasteur Lille / CIIL

Olivier TERRIER, CIRI Lyon

Olivier SPERANDIO, Institut Pasteur

Gilles LABESSE, CBS Montpellier

ANRS Emerging Infectious Diseases:

Innovation Department: Jeanne Bérard, Dounia Cherkaoui, Sandra Raine

Basic Research Department: Guia Carrara