

**25th ANRS MIE AC42
Meeting
Réseau National
Hépatites virales**

March 11, 12
2025
PARIS, FRANCE



Réunion annuelle AC 42 - Réseau national hépatites de l'ANRS

**Auditorium du CIS à l'Institut Pasteur (entrée par le 205 rue Vaugirard), Paris,
11-12 mars 2025**

Mardi 11 mars 2025

10h-10h30 : Accueil

10h30-10h40 : Introduction par Eloi VERRIER, Président de l'AC42 de l'ANRS MIE

10h40-11h40 : SESSION : In vitro models and viral entry

Modérateurs-trices : DOCEUL Virginie & MARLET Julien

- CORNEILLIE Laura, Lille
The tetraspanin CD81 is involved in the hepatitis E virus life cycle
- LEÓN-JANAMPA Nancy, Tours
Optimized Hepatitis E Virus (HEV) culture system to propagate human and animal HEV clinical strains.
- PRALLET Sarah, Heidelberg
Human intestinal organoids to study the stem cell niche as a potential reservoir for hepatitis E virus infections
- WEI Yu, Paris
CDC42 supports hepatitis B virus entry by fostering NTCP plasma membrane location and macropinocytosis-dependent internalization

11h40-12h35 : CONFERENCIER INVITÉ

Pr. Fabien ZOULIM, UMR INSERM-UCBL U1350 Physiopathologie et Traitement des Maladies Hépatiques – PaThLiv, IHU d'Hépatologie EVEREST, Lyon

Titre: " New approaches to cure chronic HBV infection "

12h35-14h15 : Pause déjeuner

14h15-15h30 : SESSION : Virus interactions with liver metabolism

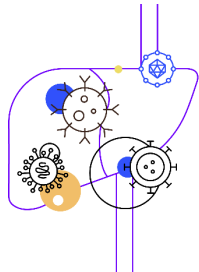
Modérateurs-trices : ZEISEL Mirjam & CHOUTEAU Philippe

- TOESCA Johan, Lyon
Hepatitis C Virus replication and Lipo-Viro-Particles infectivity depend on nicotinamide metabolism
- HUCHON Pélagie, Lyon
Experimental HCV infection identifies ribosomal RNA 2'-O-methylation sites also affected across all etiologies and stages of chronic liver diseases
- DENOLLY Solène, Lyon
Lipoprotein metabolism and viruses: is HCV no longer unique?
- BOUMEDIENE Lina, Paris
Hijacking of host PDZ proteins by Hepatitis B virus during infection
- NGUYEN DANG Hoan, Paris
Spatial heterogeneity of hepatocytes in vivo has a differential impact on the expression of HBc when translated from spliced or unspliced HBV RNA

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15h30-16h15 : ***Pause & poster***

16h15-17h00 : ***SESSION : Structural Biology***

Modérateurs-trices : TUBIANA Thibault & BÖCKMANN Anja

- **CALLON Morgane, Lyon**
The Hepatitis Delta Antigen Retains the Assembly Domain as the Only Rigid Entity
- **MÉZIÈRE Léa, Lille**
Characterization of the Hepatitis E Virus ORF1 Polyprotein: Structural and Functional Insights
- **VANEGAS ARIAS Gabriel, Gif-sur-Yvette**
Experimental and computational study of the protein-membrane interaction of the proposed N-terminal HEV ORF1 domain MetY

17h00-17h55 : ***CONFERENCIERE INVITÉE***

Dr. Nicole PAVIO, UMR Virologie, Anses, INRAE, ENVA, Maisons-Alfort

Titre: " Multiple hepatitis E viruses in multiple hosts: what will be the next zoonosis? "

18h-18h45 : ***REMISE DES PRIX DE THÈSE***

Intervention de Yazdan Yazdanpanah, Directeur de l'ANRS MIE

Présentation du Premier Prix

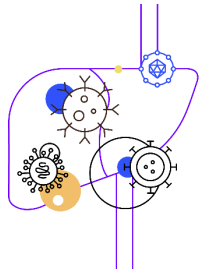
Présentation du Deuxième Prix

18h45: ***Cocktail***

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Mercredi 12 mars 2025

9h00 : Accueil

9h30-10h25 : **CONFERENCIERE INVITÉE**

Dr. Viet Loan DAO THI, Center for Integrative Infectious Disease Research (CIID), University Hospital, Heidelberg

Titre: " Reprogramming the Way We Study Hepatotropic Viruses: The Power of Stem Cell-Derived Culture Models "

10h30-11h15 : **SESSION : Antiviral strategies - I**

Modérateurs-trices : THIBAUT Vincent & LUCIFORA Julie

- GIRAUD Guillaume, Lyon
Drug-mediated transcriptional readthrough of HBV RNAs triggers antiviral effects in infected hepatocytes
- SOPUTY Chansovannara, Marseille & Phnom Penh
Decentralized Approach to HCV Elimination: Case Study and Preliminary Results from Cambodia
- GELLENONCOURT Stacy, Maisons-Alfort
Role of Interferon-Stimulated Genes (ISGs) in the interspecies transmission of Hepatitis E Virus (HEV)

11h15-11h45 : **Pause**

11h45-12h30 : **SESSION : Viral replication, morphogenesis and spread**

Modérateurs-trices : FAURE DUPUY Suzanne & LEVRERO Massimo

- CHAPUY-REGAUD Sabine, Toulouse
Subgenomic RNA produced during Hepatitis E infection modulates virus spread
- McKELLAR Joe, Montpellier
Deltaviruses spread through a viral Trojan horse
- BOSCHETTI Victor, Lyon
ChIRP-MS applied to HBV replicating cells identified a novel host RBP involved in HBV RNA biogenesis

12h30-14h15 : **Pause déjeuner**

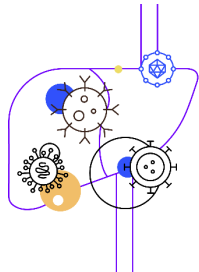
14h15-14h45 : **Présentation de l'ANRS MIE (AAP en cours et à venir, actions d'animation).**

14h45-15h30 : **SESSION : Antiviral strategies - II**

Modérateurs-trices : DURANTEL David & STRICK-MARCHAND Hélène

- ALCALÁ Ronald, Lyon
Anti-HBsAg Monoclonal Antibody BJT-778 Demonstrates Pangenotypic Neutralization of Hepatitis B and D Viruses





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- **MARTY Laetitia, Montpellier**
The cellular RNA helicase DHX9 is a key player in maintaining HBV expression: mechanism of actions and targeted inhibition
- **LUCIFORA Julie, Lyon**
Antiviral mode of action of IFN- α on HDV intracellular amplification

15h30-16h00 : **REMISE PRIX MEILLEURE COMMUNICATION ORALE**

16h : **Clôture**

Comité Scientifique et d'Organisation

Virginie DOCEUL, UMR Virologie, Anses, INRAE, ENVA, Maisons-Alfort

Suzanne FAURE-DUPUY, Institut Cochin, Paris

Vincent THIBAUT, CHU Pontchaillou, Irset - Inserm UMR_S 1085, Rennes

Thibault TUBIANA, I2BC – Institut de Biologie Intégrative de la Cellule (CNRS, CEA, Univ Paris-Saclay), Gif-sur-Yvette

Eloi VERRIER, Inserm U1110, Strasbourg

Mirjam ZEISEL, UMR UCBL1 Inserm 1350, Institut d'Hépatologie de Lyon – IHU EVEREST, Lyon

Nathalie ALAZARD, AC42

Amandine VERGA-GERARD, AC42 Département Recherche fondamentale ANRS MIE

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