**Musketeers and Samurai together against HIV and hepatitis**  
*France – Japan Symposium on HIV and hepatitis basic research*

**ANRS AC41 & AC42**  
October 14th, 15th and 16th 2019  
Institut Pasteur, 25-28 Rue du Dr Roux - 75015 Paris

**Scientific and Organizing Committee**

**France**: Victor Appay, François-Loïc Cosset, David Durantel, Michaela Müller-Trutwin

**Japan**: Tetsuro Matano, Masamichi Muramatsu, Masafumi Takiguchi, Takaji Wakita

**ANRS**: François Dabis, Audrey Dumas, Blandine Rimbault et Livia Pedroza-Martins

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### PROGRAM

#### Day 1: October 14th 2019  
Institut Pasteur - Amphitheater Duclaux (28 rue du Dr Roux)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 8h15</td>
<td>WELCOME</td>
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<tr>
<td>9h00-9h15</td>
<td>Introduction: Victor Appay &amp; David Durantel</td>
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**Session 1 – Molecular aspects of infectious processes & Virus/host interactions**

**Chairs**: Clarisse Berlioz-Torrent & Massimo Levrero

<table>
<thead>
<tr>
<th>Time</th>
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| 9h15-9h35 | Enveloped viruses distinct from HBV induce dissemination of hepatitis D virus in vivo  
François Loïc Cosset, Lyon, France |
| 9h35-9h55 | Imaging and modeling for nuclear cell biology and HIV  
Christophe Zimmer, Paris, France |
| 9h55-10h15 | Spatial organization and transcription of HBV DNA: a high-order genome architecture perspective  
Christine Neuveut, Montpellier, France |
| 10h15-10h35 | The nuclear pore: a molecular hub where HIV-1 and innate defenses meet  
Nathalie Arhel, Montpellier, France |

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>10h35-11h00</td>
<td>COFFEE BREAK</td>
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**Session 2 – Viral production mechanisms and pathogenesis**

**Chairs**: Kenzo Tokunaga & Francesca Di Nunzio
Title: Peroxiredoxin 1, a novel HBx-interacting protein, interacts with Exosc5 and negatively regulates HBV propagation through degradation of HBV RNA
Lin Deng, Kobe, Japan

Title: Virus-induced STAT3 signaling is a risk factor for hepatic steatosis and hepatocellular carcinoma
Joachim Lupberger, Strasbourg, France

Title: Apolipoprotein E is an HIV-1-inducible inhibitor of viral production and infectivity in macrophages
Yasuo Ariumi, Kumamoto, Japan

Title: HBV alternative splicing and liver injuries
Patrick Soussan, Paris, France

Title: Role of dendritic cells during HTLV infection
Hélène Dutartre, Lyon, France

LUNCH (in ‘The 25’, 25 rue du Dr Roux)

Session 3 – Immune responses and Pathogenesis

Chairs: Takamasa Ueno & Michaela Muller-Trutwin

Title: Role of circulating precursors of dendritic cells in HIV-1 infection
Philippe Benaroch, Paris, France

Title: Impact of a naturally occurring Nef genotype on HIV-1 immune control in vivo
Takamasa Ueno, Kumamoto, Japan

Title: Neuro-immune control of mucosal viral infections
Yonatan Ganor, Paris, France

Title: Co-evolution of HIV-1 and CD8+ T-cells
Masafumi Takiguchi, Kumamoto and Tokyo, Japan

COFFEE BREAK

Session 4 – Example of successful Fr-Jp collaborative experiences + Excellence talk

Chairs: David Durantel & Ai Kawana-Tachikawa

Title: The STING ligand cGAMP potentiates the efficacy of vaccine-induced CD8+ T-cells
Victor Appay, Paris, France

Title: Priming of HIV-1-specific CD8+ T cells with strong functional properties from naïve T cells
Nozomi Kuse, Tokyo, Japan

Title: Exploring the dynamics of multiple infection events in cell culture, a multidisciplinary approach
Fabrizio Mammano, Paris, France

Title: Hepatitis Delta Virus (HDV) histone mimicry drives the recruitment of cellular BRF chromatin remodelers for viral RNA replication
Massimo Levrero, Lyon, France

“CHEESE AND WINE” social gathering (in ‘The 25’)

End of the day
Day 2: October 15th 2019
Institut Pasteur - Amphiteater Duclaux (28 rue du Dr Roux)

8h30  WELCOME

Session 5 – Innate immunity

Chairs: Yasuo Ariumi & Thomas Baumert

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker, Location</th>
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<tbody>
<tr>
<td>09h00-09h20</td>
<td>Interplay between HBV/HDV and liver innate immunity</td>
<td>Julie Lucifora, Lyon, France</td>
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<tr>
<td>09h20-09h40</td>
<td>MARCH8 targets a variety of viral envelope glycoproteins</td>
<td>Kenzo Tokunaga, Tokyo, Japan</td>
</tr>
<tr>
<td>09h40-10h00</td>
<td>Interferon-induced restriction of HIV-1 infection</td>
<td>Caroline Goujon, Montpellier, France</td>
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<tr>
<td>10h00-10h20</td>
<td>MHC-E restricted control by NK cells in response to SIV infection</td>
<td>Nicolas Huot, Paris, France</td>
</tr>
<tr>
<td>10h20-10h40</td>
<td>Humanized mouse models to study HBV immunopathologies</td>
<td>Hélène Strick-Marchand, Paris, France</td>
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10h40-11h10  COFFEE BREAK

Session 6 – Adaptive immunity

Chairs: Masafumi Takiguchi & Anne Hosmalin

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>11h10-11h30</td>
<td>Dynamics of neutralizing antibody induction against highly resistant SIV</td>
<td>Hiroyuki Yamamoto, Tokyo, Japan</td>
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<tr>
<td>11h30-11h50</td>
<td>Potent Broadly Neutralizing Human Antibodies Against HIV-1 and Hepatitis Viruses</td>
<td>Hugo Mouquet, Paris, France</td>
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<tr>
<td>11h50-12h10</td>
<td>Systemic and local T cell immunity during chronic HIV infection: from peripheral blood to adipose tissue</td>
<td>Christine Bourgeois, Kremlin Bicêtre, France</td>
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<tr>
<td>12h10-12h30</td>
<td>The impact of hepatic antigen presentation on HBV-specific CD8 T cell responses</td>
<td>Masanori Isogawa, Nagoya, Japan</td>
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12h30-14h00  LUNCH (in ‘The 25’)

Session 7 – Vaccination

Chairs: Hiroyuki Yamamoto & Olivier Schwartz

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14h00-14h20</td>
<td>Comprehensive analyses of cellular and molecular mechanisms underlying HIV-1 vaccine immunity</td>
<td>Nabila Seddiki, Créteil, France</td>
</tr>
<tr>
<td>14h20-14h40</td>
<td>A vaccine selectively eliciting Gag/Vif-specific CD8+ T but not CD4+ T cells</td>
<td>Tetsuro Matano, Tokyo, Japan</td>
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<tr>
<td>14h40-15h00</td>
<td>Chimeric HBV-HCV envelope proteins self-assemble into subviral particles that elicit broadly cross-neutralizing antibodies against HCV : towards a bivalent hepatitis B-C vaccine ?</td>
<td>Philippe Roingeard, Tours, France</td>
</tr>
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</table>
15h00-15h20  Title: Vaccine-induced innate and adaptive memories
              Anne Sophie Beignon, Fontenay Aux Roses, France

15h20-16h00  COFFEE BREAK

Session 8 – Cure / Therapy

               Chairs: Tetsuro Matano & Françoise Barre-Sinoussi

16h00-16h20  Title: T cell aging at molecular level during HIV infection
               Ai Kawana-Tachikawa, Tokyo, Japan

16h20-16h40  Title: Approaches to target HBV cccDNA
               Fabien Zoulim, Lyon, France

16h40-17h00  Title: Immunogenetics and HIV remission
               Asier Saez Cirion, Paris, France

17h00-17h20  Title: Caspase inhibition a novel strategy for HIV cure?
               Jerome Estaquier, Paris, France

17h25-17h40  Intervention: François Dabis, ANRS director

End of the day

Evening      Speakers’ & chairs’ dinner
Day 3: October 16th 2019
Institut Pasteur - Amphiteater Monod (25 rue du Dr Roux)

09h00 WELCOME

ANRS resources

Chairs: Victor Appay & David Durantel

09h30-09h50 Title: HIV and Hepatitis ANRS cohorts
Ventzislava Petrov-Sanchez, Paris, France

09h50-10h10 Title: Primate Models for viral infections and IDMIT
Roger Le Grand, Paris, France

Session: Speaker with typhoon experience

10h10-10h30 Title: Multiple approach to HIV cure: Towards a better understanding of the precise cellular regulation of HIV-1 infection
Hiroaki Takeuchi, Tokyo, Japan

Closing remarks & one to one meeting planning

10h30-10h50 Victor Appay & David Durantel & Tetsuro Matano

One to one meetings (in 3x12 parallel sessions) in diverse meeting rooms

11h00-11h30 Consult and complete displayed charts

11h30-12h00 COFFEE provided during one to one meetings

Lunch and visit of the Institut Pasteur Museum (for speakers and chairs)

13h00-16h30