

INNOVATIONS TO FIGHT RESPIRATORY DISEASES

Prevention, research and treatments

December 3-4th 2024

Biocitech Paris-Romainville

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Program

Tuesday december 3rd, 2024

9h30 Welcome Coffee and registration

10h00-10h30 Keynote lecture

10h00-10h30 **Claire ANDREJAK**, CHU Amiens-Picardie, Présidente SPLF (Société de Pneumologie de Langue Française)
Maladies respiratoires = un réel enjeu de santé publique en 2024

10h30-11h30 Session 1 - Research and Innovations

Chairs : Mustapha SI-TAHAR, INSERM, Université de Tours and Olivier MONCORGÉ, IRIM - UMR9004 (Institut de Recherche en Infectiologie de Montpellier)

10h30-10h50 **Olivier MONCORGÉ**, IRIM - UMR9004 (Institut de Recherche en Infectiologie de Montpellier)
Prepared for the next virus pandemic: The APPEAL project

10h50-11h10 **Mustapha SI-TAHAR**, INSERM, Université de Tours
Metabolic control of lung inflammation

11h10-11h30 **Geneviève HÉRY-ARNAUD**, INSERM U1078, CHU Brest, Faculté de Médecine, Université de Brest
Lung microbiota: a new frontier in diagnosing and treating respiratory diseases

11h30-12h30 Discussions - Session 1

12h30-14h00 Buffet lunch and posters viewing

14h00-15h20 Session 2 - Experimental models

Chair: **Christian PELLEVOISIN**, *MatTek & Urbilateria consulting*

14h00-14h20 **Jan MARKUS**, *MatTek*

Applications of 3D tissue engineering of the human upper and lower respiratory system in basic and applied research

14h20-14h40 **Hanan OSMAN-PONCHET**, *PKDERM*

Advances in In Vitro Modeling of Lung Diseases: Focus on Precision-Cut Lung Slices (PCLS) Model

14h40-15h00 **Andrea BENASSI**, *Chiesi*

Developing a digital twin of the human respiratory system

15h00-15h20 **Erwan CORCUFF**, *Cynbiose*

A preclinical platform for the investigation of respiratory viral infections in the NHP model

15h20-15h50 Coffee break and posters viewing

15h50-16h50 Session 3 - Innovative therapeutics and diagnostics approaches

Chair : **Geneviève HÉRY-ARNAUD**, *INSERM U1078, CHU Brest, Faculté de Médecine, Université de Brest*

15h50-16h10 **Sylvia COHEN-KAMINSKY**, *Directrice de recherche CNRS, Inserm UMR_S999, Université Paris Saclay*

The vascular NMDA receptor in PAH (Pulmonary Arterial Hypertension), an out-of-the-box academic scientific strategy towards therapeutic innovation

16h10-16h30 **Thomas GUILLARD**, *Université de Reims Champagne-Ardenne, Inserm UMR-S 1250 P3Cell, CHU de Reims, Laboratoire de bactériologie-Virologie-Hygiène hospitalière, Reims, France*

Lessons Learned from Using the FilmArray Pneumonia Panel Plus in the Field

16h30-16h50 **Nelly BADALATO**, *GenoScreen*

Advancing tuberculosis drug resistance diagnosis with targeted next-generation sequencing

16h50-17h50 Discussions - Session 2 and 3 (with all speakers and chairs)

17h50-20h00 Cocktail and networking

Wednesday december 4, 2024

8h30 Welcome Coffee

9h00-9h20 Flash Scientific Posters

- 9h00-9h05 **Patrice MOREL**, SATT OUEST VALORISATION
New treatment to prevent asthma
- 9h05-9h10 **Alice TRAUSCH**, VOXCAN
Miniaturized primary airway epithelia and reporter viruses development for antiviral drug screening against respiratory viruses
- 9h10-9h15 **Fabienne ARCHER**, IVPC - INRAE-Univ Lyon1
Generating complex physiological lung tissue using 3d bioprinting to study respiratory pathologies
- 9h15-9h20 **Safaa MAWAS**, Université Paris Cité - CNRS UMR 8251
Inhaled nanoplastics as vectors for Benzo(a)pyrene: Unveiling a synergistic mechanism of airway toxicity

9h20-9h35 Flash Corporate Presentations

- 9h20-9h25 **Abdel-Kader DIAW**, Chiesi
- 9h25-9h30 **Samuel CONSTANT**, Epithelix
- 9h30-9h35 **Miroslav KANĎÁR**, MatTek

9h35-12h05 Session 4 - Prevention, inner air pollution and environmental aspects

Chair : Fabien SQUINAZI, Health and environment consultant, Faculté de médecine de Paris

- 9h35-9h55 **Samuel CONSTANT**, Epithelix
Advanced immunocompetent in vitro primary human lung models for toxicity evaluation of airborne fibers and nanomaterials
- 9h55-10h15 **Didier LECOINTE**, CHSF
Prevention of viral respiratory infections
- 10h15-10h35 **Franz DURANDET**, IAGE (Ingénierie et Analyse Génétique Environnementale) Montpellier
Early detection and quantification of human pathogens in the environment

10h35-11h05 *Coffee break and posters viewing*

- 11h05-11h25 **Frédéric MAUNY**, CHRU Besançon
Sanitary warnings to the population and medical care professionals in case of atmospheric pollution episodes
- 11h25-11h45 **Evelyne GÉHIN**, Université Paris-Est Créteil
Strategy of ventilation and aeration of facilities in case of exceptional epidemic situation
- 11h45-12h05 **Philippe DUQUENNE**, INRS
Prevention of occupational biological risks in a context of poly-exposure "biological agents/chemical substances": a few examples

12h05-13h05 **Discussions - Session 4 and final conclusions**

13h05-15h05 *Buffet lunch and networking*

15h05 **Conference ends**