

INNOVATIONS TO FIGHT RESPIRATORY DISEASES

Prevention, research and treatments

December 3-4th 2024

Biocitech Paris-Romainville

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EPITHELIX

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 U1100, CEPR, Faculté de médecine 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 U1100, CEPR, Faculté de médecine 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*

14h00-15h30 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

15h00-15h10 **Joachim CONFAIS**, *Cynbiose*

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

15h10-15h30 *Intervenant en cours*

15h30-16h00 Coffee break and posters viewing

16h00-17h00 Session 3 - Innovative therapeutics and diagnostics approaches

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

16h00-16h20 **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

16h20-16h40 **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

16h40-17h00 **Nelly BADALATO**, *GenoScreen* et **Alexandra AUBRY**, *Sorbonne Université*
Detection of resistant forms of Mycobacterium tuberculosis (NGS)

17h00-18h00 Discussions - Session 2 and 3 (with all speakers and chairs)

18h00-20h30 Cocktail and networking

Wednesday december 4, 2024

8h30 Welcome Coffee

9h00-9h45 Flash Scientific Posters

9h45-10h00 Flash Corporate Presentations

9h45-9h50 Chiesi

9h50-9h55 Epithelix

9h55-10h00 MatTek

10h05-12h35 Session 4 - Prevention, inner air pollution and environmental aspects

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

10h05-10h35 **Samuel CONSTANT**, Epithelix
Advanced immunocompetent in vitro primary human lung models for toxicity evaluation of airborne fibers and nanomaterials

10h35-10h55 **Emmanuel PIEDNOIR**, Université Caen Normandie
Prevention of viral respiratory infections

10h55-11h15 **Olivier COUROT**, IAGE (Ingénierie et Analyse Génétique Environnementale) Montpellier
Early detection and quantification of human pathogens in the environment

11h15-11h30 Coffee break and posters viewing

11h30-11h50 **Frédéric MAUNY**, CHRU Besançon
Sanitary warnings to the population and medical care professionals in case of atmospheric pollution episodes (title to be confirmed)

11h50-12h10 **Evelyne GÉHIN**, Université Paris-Est Créteil
Strategy of ventilation and aeration of facilities in case of exceptional epidemic situation

12h10-12h30 **Philippe DUQUENNE**, INRS
Workplace respiratory risks management (title to be confirmed)

12h35-13h05 Discussions - Session 4 and final conclusions

13h05-15h05 Buffet lunch and networking

15h35 Conference ends