

# INNOVATIONS TO FIGHT RESPIRATORY DISEASES

*Prevention, research and treatments*

December 3-4th 2024

Biocitech Paris-Romainville

## SILVER SPONSORS



## Program

*Tuesday december 3<sup>rd</sup>, 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*

## 14h00-15h30 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 **Erwan CORCUFF**, *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*

*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 **Didier LECOINTE**, CHSF  
*Prevention of viral respiratory infections*

10h55-11h15 **Franz DURANDET**, 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  
*Prevention of occupational biological risks in a context of poly-exposure "biological agents/chemical substances": a few examples*

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

13h05-15h05 Buffet lunch and networking

15h35 Conference ends