Programme

Wednesday 5 June 2019

**Morning**

8:30  Registration and coffee

10:00  -  Opening session

10:00 - Pascal VIGIER, Chairman of the Board, INRS
10:10 - Louis LAURENT, Director of Studies and Research, INRS
10:20 - Philippe DUQUENNE, co-president of the conference

10:30  -  Introductory session

10:30 - **Keynote Speakers:** Isabelle THAON, Centre Hospitalier Régional Universitaire Nancy (France) and Jean-François GEHANNO, Centre Hospitalier Universitaire Rouen (France)

  *Biological risks in the workplace: health effects*

11:20 - **Keynote Speaker:** Caroline DUCHAINE, Institut universitaire de cardiologie et de pneumologie de Québec (Canada)

  *Bioaerosols and microbiota: promises and challenges*

12:10 - Lunch

**Afternoon**

**Session 1  -  Effects of biological agents on the health of workers**

*Chairpersons: Isabelle THAON & Mylène TROTTIER*

13:30 - **Keynote Speaker:** Caroline HERR, Bavarian Health and Food Safety Authority, (Germany)

  *Relevance of exposure to infectious agents via inhalation and dermal contact at the workplace*

14:20 - **Keynote Speaker:** Elisabeth BOUVET, Haute Autorité de Santé, Université Paris-Diderot (France)

  *Examination of risks to healthcare workers throughout the world: emerging viruses and other infectious agents*

15:00 - **Dominique ABITEBOUL,** INRS (France)

  *CMV infection for early childhood jobs – state of progress*
15:20 - Gaëtan DEFFONTAINES, CCMSA (France)  
Medical monitoring of workers after exposure to bovine TB – recommendations 2018

15:40 - Véronique CARON, INRS (France)  
Health effects of mould in the work environment

16:00 - Coffee break

Session 2 - Methods for qualitative and quantitative assessment

Chairpersons: Annette KOLK & Xavier SIMON

16:30 - Keynote Speaker: Anne Mette MADSEN, National Research Centre for the Working Environnement (Denmark)  
Methods and strategies for the qualitative and quantitative assessment of biological risks

17:20 - Sarah BURZONI, INRS (France)  
Review of existing approaches for assessing biological risks in the workplace and a critical analysis

17:40 - Stefan MAYER, Berufsgenossenschaft Handel und Warenlogistik (Germany)  
Assessment of health risks due to airborne bioaerosol exposure at workplaces – the new TRBA 400 of the German Federal Committee on Biological Agents (ABAS)

18:00 - Corine DE SOUZA & Corinne LE-CAER, Centre de recherche Sanofi (France)  
Biological risk assessment methodology adapted to research and development activities

18:20 - Stefanie KLAR, Federal Institute for Occupational Safety and Health (Germany)  
Measuring toxic effects of bacterial secondary metabolites on human lung cells – a link to the risk assessment of bioaerosol exposure in the workplace?

18:40 - End of the day

18:50 - Icebreaker party
Thursday 6 June 2019

Morning

08:30 - Registration

Session 2 (cont’d) - Methods for qualitative and quantitative assessment

Chairpersons: Caroline DUCHAINE & Sergey GRINSHPUN

09:00 - Annette KOLK, Institute for Occupational Safety and Health of the German Social Accident Insurance (Germany)
Evaluation of 10 years measurement of endotoxin with LAL- and rfC-Test

09:20 - Xavier SIMON, INRS (France)
Measurement of microorganism concentrations in the work atmosphere: sampling by filtration vs collection in liquid

09:40 - Clara POGNER, Center for Health & Bioresources, (Austria)
Evaluation of novel quantitative bioaerosol detection systems under controlled conditions in a bioaerosol chamber

10:10 - Coffee break

Chairpersons: Anne Mette MADSEN & Anne OPPLIGER

10:40 - Carla VIEGAS, Health & Technology Research Center (Portugal)
Assessment of occupational exposure to mycotoxins – Relevance of biomonitoring tools

11:00 - Olivier SCHLOSSER, SUEZ, (France)
Predicting endotoxin exposure by measuring dust concentration: a reliable approach?

11:20 - Verenna LIEBERS, Institute for Prevention and Occupational Medicine (Germany)
Determination of endotoxin activity – Comparison of recombinant Factor C assay with chromogen kinetic Limulus amoebocyte lysate test

11:40 - Dierk-Christoph POTHER, Federal Institute for Occupational Safety and Health (Germany)
Assessment of occupational risks related to biological agents. What can exposure analyses tell us?

12:00 - Lunch
Afternoon

13:00 - Poster session and computer presentation

Session 3 - Occupational exposures to biological agents

**Chairpersons:** Pierre LE CANN & Carla VIEGAS

14:00 - **Keynote Speaker:** Philippe DUQUENNE, INRS (France)
       Characteristics of bioaerosols emitted at the workplace

14:50 - **Sigolène MORAND & Sarah MEMMI,** Inspection Médicale du Travail - Dares (France)
       Occupational exposure to biological agents: results of the Sumer survey

15:10 - **Dierk-Christoph POTHER,** Federal Institute for Occupational Safety and Health (Germany)
       Changes in the composition of bioaerosols of workplaces in biogas plants revealed by multiplex analyses

15:30 - **Patricia DIRRENBERGER,** INRS (France)
       Occupational exposure to bioaerosols and ammonia in biogas plants

15:50 - **Sophie NDAW,** INRS (France)
       Liquid chromatography – high resolution mass spectrometry method for monitoring mycotoxins in urine for exposure studies

16:10 - **Coffee break**

**Chairpersons:** Hélène HIRZEL & Maosheng YAO

16:40 - **Carla VIEGAS,** Health & Technology Research Center, (Portugal)
       Nasal swab as a tool to assess occupational exposure to fungi in a cork industry

17:00 - **Anne STRAUMFORS,** National Institute of Occupational Health (Norway)
       Airborne mycobiome in the Norwegian grain industry

17:20 - **Anne OPPLIGER,** Institut Universitaire Romand de Santé au Travail (Switzerland)
       Airborne microbiota in pig farms and impact on farmer’s nasal microbiota

17:40 - **Michèle TREMBLAY,** Direction régionale de santé publique de Montréal, (Canada)
       Monitoring of accidental occupational exposure to biological liquids (Montreal, 1999-2018): analysis strategy and designing messages of prevention

18:00 - End of the day

19:15 - Evening event
Friday 7 June 2019

**Morning**

08:15 - Registration

**Session 4 - Prevention of biological risks in the workplace**

**Chairpersons:** Ronan LEVILLY & Beatrice SPOTTKE

09:00 - **Keynote Speaker:** Sergey GRINSHPUN, University of Cincinnati (United States)
Controlling exposure to bioaerosol particles: from air purification and microbial inactivation to respiratory protection

09:50 - **Alan BESWIK,** Health & Safety Laboratory (United Kingdom)
The testing of decontamination systems – cross sector approaches for dealing with microbiological hazards

10:10 - **Marie-Eve DUBUIS**, Université Laval (Canada)
Inactivation of airborne viruses using ozone

10:30 - **Isabelle BALTY**, INRS (France)
Prevention of dust exposure risk at hanging stations in poultry slaughterhouses

10:50 - Coffee break

**Chairpersons:** Isabelle BALTY & Alan BESWICK

11:20 - **Marie-Cécile BAYEUX-DUNGLAS**, INRS (France)
Implementation of airborne precautions in healthcare settings: the importance of choosing a well-adjusted respirator

11:40 - **Alex BIRRELL**, CleanSpace Technology Pty Ltd (Australia)
An inbuilt real time respirator protection check for healthcare workers and emergency responders

12:00 - **Brigitte FACON**, CRAMIF (France)
Exposure to bioaerosols in sorting centres for recyclable household waste. Observations and prevention measures

12:20 - **Christine DAVID**, INRS (France)
Exposure to potentially infectious risks in sorting centres for recyclable household waste

12:40 - Closing session

13:00 - End of the conference