BELVIR Workshop

Modelling of virus-mucus and virus-mucosa interactions in the respiratory tract

November 20-21, 2014 - Ghent University
Day 1: November 20\textsuperscript{th}, 2014 - General aspects

All welcome

Auditorium C - Faculty of Veterinary Medicine - UGent, Salisburylaan 133

12h30-13h00: Registration

13h00-13h15: Welcome session - Hans Nauwynck

13h15-14h00: Models to study the interactions of viruses with respiratory mucus - X. Yang

14h00-14h45: Explants, something in between a living organism and cell cultures - H.J. Nauwynck

14h45-15h15: Coffee break

15h15-16h00: Different behaviour of alphaherpesviruses in the respiratory mucosa - H.J. Nauwynck

16h00-16h45: Different behaviour of influenza viruses in the respiratory mucosa - K. Van Reeth/K. van der Meulen

16h45-17h00: Closing remarks

19h00: Dinner and evening visit Ghent
Day 2: November 21st, 2014 - Practical work

Restricted to selected participants

Laboratory of Virology, meeting room - Faculty of Veterinary Medicine - UGent, Salisburylaan 133

8h30-9h00: Registration

9h00-12h00: Training - Examination of virus-mucus interactions (X. Yang, V. Reddy)

• introduction
• collection of mucus
• virus incubation
• snapfreezing
• cryo-sectioning
• fluorescence microscopy

12h00-13h00: Lunch

13h00-16h00: Training - Examination of virus-mucosa interactions (C. Bonckaert, Y. Li, J. Van Cleemput)

• introduction
• preparation of explants
• incubation with virus
• embedding process
• snap freezing
• cryo-sectioning
• immunofluorescence stainings
• localization of virus particles/infected cells and analysis

16h00: Concluding remarks with a Belgian beer