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MSD Animal Health

CRG Centre for Genomic Regulation

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Vaccine Symposium:

Vaccines at different levels of complexity from subunit to whole cell formulations

15th November 2017

8:15 ***Registration***

8:45 ***Welcome***

9:00 – 10:30 **Session 1: Subunit vaccines**

- ***9:00-10:00 Prof Kingston Mills***
  Professor of Experimental Immunology, School of Biochemistry and Immunology, Trinity College Dublin (Dublin, UK)

- *10:00 -10:20 Dimitri Diavatopoulos*
  Phase variation of FHA in the context of pertussis vaccination

- *10:20 -10:40 Anke Huckriede*
  Whole inactivated virus and subunit influenza vaccines: a world of difference

10:40 – 11:00 Coffee break

11:00 – 12:45 **Session 2: Pro's and con's of whole cell and life (vector) vaccines, with an emphasis on non-specific effects of vaccines**

- ***11:00- 12:00 Prof Mihai Netea***
  Head of the division of Experimental Medicine, Department of Internal Medicine, Radboud University Medical Center (Nijmegen, The Netherlands)

- *12:00- 12:20 Jorgen de Jonge*
  The intratracheal ferret challenge model to demonstrate effectiveness of Live attenuated, adjuvanted whole inactivated and split virus vaccines in preventing severe pneumonia induced by avian influenza RIVM

- *12:20- 12:40 Josef Maier*
  Epitope discovery for vaccine development by comparative genome analysis of pathogens and the PepID biopeptides expression technology

12:45 – 13:30 Lunch

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13:30 – 15:15 **Whole cell and live (vector) vaccines**

- ***13:30 – 14:30 Prof Venugopal Nair***
  Head of the Avian Viral Diseases Programme at The Pirbright Institute (Pirbright, UK)

- *14:30- 14:50 Tjerko Kamminga*
  Risk-based bioengineering strategies for reliable bacterial vaccine production
- *14:50-15:10 Alain Blanchard*
  Genome engineering of a temperature-sensitive and attenuated strain of Mycoplasma mycoides subsp. Capri

15:10 – 15:30 Coffee break

15:30 – 16:50 **Session 4: Particle-based vaccines**

- ***15:30-16:30 Andrea Wolf, PhD***
  Assistant Professor at Cedars-Sinai Medical Center (Los Angeles, USA)

- *16:30-16:50 Girbe Buist*
  Differential epitope recognition in the immunodominant staphylococcal antigen A of Staphylococcus aureus by IgGs from mice and men

16:50 – 17:00 ***Symposium wrap-up***

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