**Program Personalized medicine en precision medicine in COPD anno 2018, October 4, 2018**

08.30 hrs. Registration + coffee/tea

08.45 hrs. Welcome by Martijn A. Spruit

09.00 hrs. What is personalized medicine and precision medicine? by Emiel F.M. Wouters (NL)

09.45 hrs. Endobronchial bronchial valves in emphysema by Dirk-Jan Slebos (NL)

10.30 hrs. Break

11.00 hrs. Individualizing pulmonary rehabilitation programs for patients with complex COPD by Lowie Vanfleteren (NL)

11.45 hrs. Clustering of patients with COPD by Pierre-Regis Burgel (France)

12.30 hrs. Lunch

13.15 hrs. Multiscale computational modeling in systems biology by Rosa Faner (Spain)

14.00 hrs. Integrating multi-omic data for COPD subphenotyping? by Asa Wheelock (Sweden)

14.45 hrs. Alpha-1 anti-trypsin deficiency by David Lomas (UK)

15.30 hrs. Break

15.45 hrs. Medico-ethical perspective of P4 medicine by David Townend (NL)

16.30 hrs. Keynote lecture: The role of systems medicine in 2025 by Leroy Hood (USA)

17.15 hrs. Closure by Frits Franssen