



## Program

### Wednesday 19 June 2019

08.30 – 09.20	Registration and coffee
09.20 – 09.30	Opening <i>M. Joëls (NL)</i>

### Prevention/Lifestyle/Epidemiology

#### **Moderators: G.H. Koppelman (NL)/H.M. Boezen (NL)**

09.30 – 09.50	Tobacco control: the power of law and policy <i>B.C.A. Toebes (NL)</i>
09.50 – 10.00	Discussion
10.00 – 10.20	A legacy of smoke exposure: transgenerational epigenetics in asthma <i>J.W. Holloway (UK)</i>
10.20 – 10.30	Discussion
10.30 – 10.50	Genetics of smoking: Impact on smoking behaviours, health consequences and cessation <i>R.F. Tyndale (CAN)</i>
10.50 – 11.00	Discussion
11.00 – 11.45	Coffee break

#### **Moderator: W. Timens (NL)/ J.W. Holloway (UK)**

11.45 – 12.05	Microbiome relevance to asthma and COPD <i>M. Bafadhel</i>
12.05 – 12.15	Discussion
12.15 – 12.30	Abstract nr 29: The influence of cigarette smoke exposure on the lung and gut microbiome composition in mice, D. Kovacevic
12.30 – 12.45	Abstract nr 33: , Prevalence of asthma characteristics in COPD patients in a Dutch well established asthma/COPD service for primary care, A.J. Baron
12.45 – 13.05	Inhalation technique, how and why? <i>J.W. Kocks (NL)</i>
13.05 – 13.15	Discussion
13.15 – 14.15	Lunch



## Systems Biology

**Moderator: M.N. Hylkema (NL)/H.B. Schiller (DE)**

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| 14.15 – 14.35 | Single cell sequencing as a new approach to unravel the biology of asthma and asthma remission<br><i>M.C. Nawijn (NL)</i>                                      |
| 14.35 – 14.45 | Discussion   |
| 14.45 – 15.05 | Epigenetic mechanisms regulating the expression of inflammatory and remodeling genes in the lung<br><i>A. Faiz (Aus)</i>                                       |
| 15.05 – 15.15 | Discussion   |
| 15.15 – 15.45 | POSTERS – <i>Moderators: I. Dashteren/M. Hylkema/I. Heijink/B. Melgert</i>   |
| 15.45 – 16.15 | Tea break  |
| 16.15 – 16.35 | Epigenetic impact of air pollutants and environmental exposures on asthma and COPD<br><i>E. Melén (S)</i>  |
| 16.35 – 16.45 | Discussion   |
| 16.45 - 17.00 | Abstract nr 30: Genetic Signals In IL33 Associate With An Eosinophilic Subphenotype Of Asthma And With IL33 mRNA Levels In Bronchial Epithelium, M.E. Ketelaar |
| 17.00 – 17.15 | Abstract nr 15: Association between SERPINA1 gene polymorphism and disease severity in patients with COPD, T. Enebish  |
| 17.15 - 17.35 | A systems biology approach to lung disease<br><i>I. A. Adcock (UK)</i>   |
| 17.35 – 17.45 | Discussion   |
| 17.45 – 17.50 | Closure  |
| 18.30         | Reception and Buffet<br><i>The reception is offered to you by the University of Groningen, the Municipality of Groningen and the Province of Groningen</i>     |



**Thursday 20 June 2019**

08.00 – 08.30 Registration and coffee

## **Stem cells and lung regeneration**

**Moderator: I.H. Heijink (NL)/ E.L. Rawlins (UK)**

08.30 – 08.50 Stem/Progenitor cell dysfunction in COPD  
*M. Ghosh (USA)*

08.50 – 09.00 Discussion

09.00 – 09.15 Abstract nr 4 : Cigarette smoke and diesel particles repress functional responses in lung epithelial progenitors, X. Wu

09.15 – 09.30 Abstract nr 8: RAGE induces acute neutrophilic airway inflammation and alveolar tissue damage in mice susceptible to develop emphysema, S.D. Pouwels

09.30 – 09.50 Cell-based therapy: rebuilding the lung  
*D.E. Wagner (S)*

09.50 – 10.00 Discussion

10.00 – 10.30 Coffee break

**Moderators: R. Gosens (NL)/A. Van der Does (NL)**

10.30 – 10.50 Lung organoids to study cell-cell interaction  
*E.L. Rawlins (UK)*

10.50 – 11.00 Discussion

11.00 – 11.20 Regenerative pharmacology  
*R. Gosens (NL)*

11.20 – 11.30 Discussion

11.30 – 11.45 Abstract nr 6 : Dysfunctional macrophage polarization in a COPD exacerbation model of smoke and influenza co-exposure in mice, T.A. van der Veen

11.45 – 12.00 Abstract nr 20: Senescent lung fibroblasts attenuate alveolar epithelial wound healing in IPF, K.E.C. Blokland

12.00 – 12.20 Immune/Epithelial cross-talk in lung disease  
*S. Bartel (NL)*

12.20 – 12.30 Discussion

12.30 – 13.00 Lunch to go

13.00 – 20.30 Social Program



## Friday 21 June 2019

08.00 – 08.30 Registration and coffee

### Overarching mechanisms/crossing borders

**Moderator: G.G. Brusselle (BE)/B.N. Melgert (NL)**

08.30 – 08.50 Understanding mechanisms underlying fibrosis - overlap between COPD and lung fibrosis?

*M. Kolb (CAN)*

08.50 – 09.00 Discussion

09.00 – 09.20 ECM changes and lung fibrosis

*J.K. Burgess (NL)*

09.20 – 09.30 Discussion

09.30 – 09.50 Early detection of chronic lung disease and exacerbations: biomarkers, imaging and beyond

*G. Jenkins (UK)*

09.50 – 10.00 Discussion

10.00 – 10.30 Coffee break

**Moderator: C.A. Brandsma (NL)/J.K. Burgess (NL)**

10.30 – 11.50 Accelerated aging as a common driving force of lung fibrosis and COPD/Emphysema?

*S. Meiners (DE)*

10.50 – 11.00 Discussion

11.00 – 11.20 Endotypes of asthma COPD towards personalized medicine

*S. Christenson (USA)*

11.20 – 11.50 Discussion

11.50 – 12.30 POSTERS – moderators: *I. Dashtseren/M.de Vries/D. Pouwels/B. Melgert*

12.30 – 13.30 Lunch



## **Innovative therapies**

### **Moderators: P. Wijkstra (NL)/A. Faiz (Aus)**

- 13.30 – 13.50      Bronchoscopic interventions for COPD  
*D.J. Slebos (NL)*
- 13.50 – 14.00      Discussion
- 14.00 – 14.20      Home mechanical ventilation in COPD  
*M. Duiverman (NL)*
- 14.20 – 14.30      Discussion
- 14.30 – 14.50      Epithelial mechanisms of asthma and COPD susceptibility  
*A. van der Does (NL)*
- 14.50 – 15.00      Discussion
- 15.00 – 15.30      Tea break

### **Moderators: H.A.M. Kerstjens (NL)/G. Jenkins (UK)**

- 15.30 – 15.50      Prevention and treatment of COPD exacerbations  
*M. van den Berge (NL)*
- 15.50 – 16.00      Discussion
- 16.00 – 16.20      Biologicals in Asthma and COPD  
*G. Brusselle (BE)*
- 16.20 – 16.30      Discussion
- 16.30 – 17.00      Closure