

ERS Research Seminar

***Early Origins of Lung Disease: an interdisciplinary approach***

11 – 12 November 2019

Lisbon, Portugal

**Monday, 11 November 2019**

08.30 – 08.45	Registration
08.45 – 09.00	Introduction and welcome Dr. Niki Ubags and Dr. Jennifer Collins

**Session I – Pre- and perinatal lung development**

09.00 – 09.45	<u><i>Fetal and neonatal lung development: the impact of multiple pre- and postnatal exposures</i></u> Prof. Suhas Kallapur (USA)
09.45 – 10.00	Oral presentation 1: selected from abstracts
10.00 – 10.30	<u><i>A vascular perspective on fetal lung development in health and disease</i></u> Dr. Robbert Rottier (Netherlands)
10.30 – 10.45	Oral presentation 2: selected from abstracts
10.45 – 11.15	General discussion
11.15 – 11.30	Coffee break
11.30 – 12.15	Poster session
12.15 – 13.30	Lunch

**Session II – Priming the developing lung for disease: Cellular mechanisms**

13.30 – 14.00	<u><i>Resident alveolar macrophages and their role in lung alveolarization and BPD</i></u> Dr. Rory Morty (Germany)
14.00 – 14.15	Oral presentation 3: selected from abstracts
14.15 – 14.45	<u><i>Role of lung mesenchymal stromal cells in the developing lung and BPD</i></u> Dr. Jennifer Collins (Netherlands)
14.45 – 15.15	General discussion
15.15 – 15.30	Coffee break

## **Breakout Sessions**

15.30 – 15.40	Introduction to breakout sessions
15.40 – 17.10	<u>Break out session 1: Pre- and postnatal exposures: priming the developing lung for disease</u>
17.10 – 18.40	<u>Break out session 2: Early life host-microbe interaction: importance in the development of respiratory diseases</u>
18.40 – 19.00	General discussion breakout sessions

## **Tuesday, 12 November 2019**

### **Session III: Immune maturation and the development of respiratory disease**

08.00 – 08.30	<u>Development of the pulmonary immune system in the neonatal period</u> Dr. Sylvia Knapp (Austria)
08.30 – 08.45	Oral presentation 4: selected from abstracts
08.45 – 09.15	<u>Development of allergic immunity in the lung during early life</u> Prof. Dr. Clare Lloyd (United Kingdom)
09.15 – 09.45	<u>Immune maturation and priming in the 'Atopic March'</u> Dr. Niki Ubags (Switzerland)
09.45 – 10.10	General discussion
10.10 – 10.30	Coffee break

### **Session IV: Early life exposures and susceptibility to disease**

10.30 – 11.00	<u>Transplacental immune modulation in the prevention of asthma development</u> Prof. Dr. Deborah Strickland (Australia)
11.00 – 11.15	Oral presentation 5: selected from abstracts
11.15 – 11.45	<u>Host-microbe interactions in the neonatal lung</u> Dr. Céline Pattaroni (Australia)
11.45 – 12.15	<u>Early life respiratory infections: diagnosis, prognosis and treatment</u> Dr. Wouter de Steenhuijsen Piters (Netherlands)
12.15 – 12.45	General discussion
12.45 – 13.30	Concluding remarks
13.30	Lunch on departure