



ERS

20th ERS LUNG SCIENCE CONFERENCE

Lung Science Conference

Mucosal immunology of the lung: balancing protective immunity and chronic inflammation

10-13 March 2022 – Estoril, Portugal

Scientific programme as of 14.10.2021

Thursday 10 March 2022

LIVE

Opening Session

Chair: Reinoud Gosens

18:00-18:15

Welcome and Introduction

Reinoud Gosens, ERS Conferences and Seminars Director

18:15-19:00

Opening Lecture

“Cytokines: Orchestrating immune responses in lung disease” – Anne O’Garra (United Kingdom)

19:00-19:15

Discussion

19:15-20:30

Welcome “cheese and wine” cocktail

Friday 11 March 2022

LIVE

Session 1:

Lung Cell atlas in health and disease

08:30-08:50

Healthy atlas of the human airways

Laure Emmanuel Zaragosi (France)

08:50-09:05

Discussion

09:05-09:25

Integrated human lung cell atlas & Launch of the human cell atlas platform

Malte Lücken (Germany)

09:25-09:40

Discussion

09:40-09:55

Abstract Oral Presentation 1

09:55-10:15

Exploring cell-cell interactions at a newly defined IgA immune niche at the submucosal glands: novel roles for pericytes and duct cells

Kerstin Meyer (United Kingdom)

10:15-10:30

Discussion

10:30-10:50

Coffee break

LIVE

Session 2:

Tissue resident versus recruited immunity (part 1)

10:50-11:10

Role of macrophages plasticity in chronic and infectious lung disease

Scott Budinger (USA)

11:10-11:25

Discussion

11:25-11:40

Abstract Oral Presentation 2



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- 11:40-12:00** **Innate and adaptive immune responses to RV**
René Lutter (Netherlands)
- 12:00-12:15 Discussion
- 12:15-12:30** **Abstract Oral Presentation 3**
- 12:30-12:45** **Abstract Oral Presentation 4**
- 12:45-14:45 Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors



Session 2: **Tissue resident versus recruited immunity (part 2)**

- 14:45-15:05** **Tissue resident T cells in healthy and diseased lung**
Donna Farber (USA)
- 15:05-15:20 Discussion
- 15:20-15:35** **Abstract Oral Presentation 5**
- 15:35-15:50** **Abstract Oral Presentation 6**

From 15:50 coffee will be served in the poster area

16:00-18:00 **Poster Session 1**

From 19:30 Dinner for all delegates

Saturday 12 March 2022



Session 3: **Trained immunity**

- 08:45-09:05** **Inducible bronchus associated lymphoid tissue drives immunity in COPD**
Önder Yildirim (Germany)
- 09:05-09:20 Discussion

09:20-09:35 **Abstract Oral Presentation 7**

- 09:35-09:55** **Trained immunity and allergy: State of the art and future perspectives**
Uta Jappe (Germany)
- 09:55-10:10 Discussion

10:10-10:25 **Abstract Oral Presentation 8**

10:25-10:55 Group Picture and Coffee Break



10:55-12:10 **Young Investigator Session – The William MacNee Award**

12:15-13:30 **Lunch**

13:30-15:30 **Poster Session 2**

From 15:00 coffee will be served in the poster area



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LIVE	17:00-19:30	Early-Career delegates session – Tools for career development
	17:00-17:10	Introduction Niki Ubags (Switzerland)
	17:10-17:30	Effective teaching and mentoring: where to start? Agnes Boots (Netherlands)
	17:30-17:40	How to collaborate successfully (industry vs academic perspective) – part 1 Alexander Mackay (Sweden)
	17:40-17:50	How to collaborate successfully (industry vs academic perspective) – part 2 Rachel Chambers (United Kingdom)
	17:50-18:10	Transferable skills: you are more than ‘just’ a scientist! Verity Elston (Switzerland)
	18:10-18:30	Setting the scientific playfield outside academia: a career in scientific editing Timothy Powell (United Kingdom)
	18:30-19:30	Panel discussion and networking event
	19:30-20:00	Evening Pre-dinner talk “Beyond Covid-19” – Petter Brodin (Sweden)

From 20:00 Gala Dinner and Award Ceremony

Sunday 13 March 2022

LIVE	Session 4:	The mucosal immunity in the lung and infections
	08:45-09:05	Virus provided protection against allergic asthma Laurent Gillet (Belgium)
	09:05-09:20	Discussion
	09:20-09:40	How cells protect themselves against aberrant immune responses Hermelijn Smits (Netherlands)
	09:40-09:55	Discussion
	09:55-10:15	<i>Coffee break</i>
LIVE	Session 5:	Cytokine targeted therapies / personalized medicine in the context of (chronic) respiratory diseases
	10:15-10:35	Cytokines targeted therapies in asthma versus COPD Guy Brusselle (Belgium)
	10:35-10:50	Discussion



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10:50-11:10	Precision medicine: New biomarkers and targets beyond T2 inflammation Chris Brightling (United Kingdom) Discussion
11:10-11:25	
11:25-11:45	Role of lung microbiome in airway diseases James Chalmers (United Kingdom) Discussion
11:45-12:00	
12:00-12:15	Conclusion by Reinoud Gosens, ERS Conferences and Seminars Director
12:15	<i>Lunch and departure</i>