

Third conference on PExA and diseases affecting small airways

Thursday 26 January

09.00 **Welcome**

Intro PExA: possibilities and limitations, *Anna-Carin Olin*

09.20 **Activation of the cascade systems in respiratory disease**

Keynote lectures:

Cascade systems in their role in innate immunity- with focus on small airways,
Kristina Nilsson-Ekdahl

ARDS and complement, *Bo Nilsson*

10.00 *Coffee*

10.30 Complement activation using PExA: what do we know so far?

Karin Fromell and Spela Kokelj

11.00 **New Analytical possibilities**

Olink and Somascan, *Jörgen Östling* (20 min)

Metaproteomics & Metagenomics, *Dierk Pöther* (30 min)

Proteomics and miRNA, *Åsa Wheelock* (20 min)

Surfactant Lipids, *Per Larsson* (20 min)

12.30 *Lunch*

13.15 **Surfactant and respiratory disease**

Keynote lecture: *Jens Hohlfeld*

14.00 **Posters**

5 min intro for each poster in plenum

- Lipid profile in smokers and COPD (*Spela Kokelj*)
- Oxidized lipids in PEx (*Parahat Shovkedov*)
- Protein-profile associated with chronic cough (*Össur Emilsson*)
- Exposure to indoor particles and effects in small airways, *Torben Sigsgaard*
- LPS and IL-6, *Olaf Holz* (*to be confirmed*)
- Exposure to nano-particles from 3d-printing and changes in lipid-profile (*Lotta Almstrand*)
- Etc.

Coffee

Poster viewing

16.00	Oxysterols in lung injury <i>Keynote lecture: Michael Fessler</i>
16.45	Covid-19 Changes in protein-profile in PEx in acute Covid-19, <i>Spela Kokelj</i> Changes in the lipid-profile of surfactant in Post-Covid-19, <i>Alexander Holm, Nicolas Berguerand</i>
17.15	Mingle
18.00	<i>Conference dinner</i>

Friday 27th of January

	Covid-19, continued
09.00	Surfactant therapy in acute Covid-19 <i>Keynote lecture: Anthony Postle</i>
09.45	Covid-19 and PExA in intensive care, <i>Sandra Lindsted</i>
10.15	<i>Coffee</i>
10.45	Viral detection in PExA, <i>Emilia Viklund</i>
11.00	Particle number and size-distributions and biomarker data Introduction to particle number and distribution, <i>Anna-Carin Olin</i> Particle- and protein data and FEF25, <i>Sanna Kjellberg</i> Particle data and early ARDS, <i>Gabriel Hirdman</i>
12:15	PExA – summary and future
12.30	Lunch