Schedule, Airborne transmission of infectious agents

Wed, 26 April, Room DC:467

9:30-10:00	Coffee
10:00-10:30	Introduction to the course, (Jakob Löndahl)
10:30-11:15	Background: Airborne particles (Aneta Wierzbicka)
11:30-12:15	Historic perspective on airborne transmission of disease (Per-Erik Åbom)
12:15-13:15	LUNCH
13:15-15:00	Emissions, transport and deposition of biological particles in the air (Jakob Löndahl)
15:00-15:15	Coffee
15:15-16:00	Journal Club – discussion about course preparation task
16:00-17:00	Inhalation and respiratory tract deposition of airborne particles (Jakob Löndahl)
19:00	DINNER

Thu, 27 April, Room DC:467

8:30-8:45	Discussion about previous day
8:45-9:45	Demonstration: Sampling of airborne microbes on filters, in liquid and on agar
9:45-10:00	Coffee
10:00-12:15	Laboratory exercise (A. optical methods, B. particle size selection, C. particle generation)
12:15-13:15	LUNCH
	Room DC:243
13:15-14:00	Sample analysis (problem of low concentration) (Tina Santl-Temkiv)
14:00-15:00	Group discussion and summary of laboratory experiments
15:00-15:15	Coffee
15:15-16:00	Transport and survival, environmental stress (Tina Santl-Temkiv)
16:15-17:00	Outer membrane vesicles released by respiratory pathogens as a basis for vaccination (Kristian Riesbeck)

Fri, 28 April, Room DC:467

8:30-10:00	Airborne contamination in pharma, clean rooms and industry (Matts Ramstorp)
9:30-10:00	Coffee
10:15-11:15	Group exercise
11:30-12:15	Hospital hygiene and air quality in operating rooms (Ann Tammelin)
12:15-13:15	LUNCH
13:15-14:00	Hospital hygiene and air quality in operating rooms (Ann Tammelin)
14:15-15:00	Course evaluation and information on examination task

Aneta Wierzbicka, Assoc. Prof, Lund University
Ann Tammelin, MD/PhD, Stockholms läns landsting/Karolinska Institutet
Jakob Löndahl, Assoc. Prof, Lund University
Kristian Riesbeck, Prof., Lund University
Matts Ramstorp, Adj. Prof, Lund University
Ola Nerbrink, PhD, MVIC
Orest Lastow, PhD, Iconovo
Per-Erik Åbom, MD infectious disease, author of “Farsoter och epidemier”
Tina Santl-Temkiv, PhD, Aarhus University