

Program

Wednesday 22 October, 2025

Registration and Welcome

08:30 - 9:00 **Registration and poster mounting**

09:00 - 9:15 **Introduction by course leaders**

Session I

Chair: Annasara Lenman, Umeå University

09:15 - 10:00 **Introduction to vaccinology: history, principles & impact**
Klaus Überla, Harald zur Hausen Institute of Virology, Erlangen, Germany
Biosketch on page 12

10:00 - 10:15 **Questions and discussion**

10:15 - 10:30 **Coffee**

10:30 - 11:15 **Immune mechanisms of protection in vaccination**
Mattias Forsell, Umeå University, Sweden
Biosketch on page 13

11:15 - 11:30 **Questions and discussion**

11:30 - 12:15 **Traditional and next-generation vaccine technologies**
Ali Mirazimi, Karolinska Institutet, Sweden
Biosketch on page 14

12:15 - 12:30 **Questions and discussion**

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

Session II

Chair: Ali Mirazimi, Karolinska Institutet

13:30 - 14:15 **Challenges in vaccine development against parasitic diseases**
Simon Draper, University of Oxford, UK
Biosketch on page 15

14:15 - 14:30 **Questions and discussion**

14:30 - 15:30 **Poster session I**

15:30 - 15:45 **Coffee**

15:45 - 16:30 **What does it take for a vaccine candidate to get licensed: from preclinical studies to use**
Charlotta Bergquist, Swedish Medical Products Agency, Sweden
Biosketch on page 16

16:30 - 16:45 **Questions and discussion**

16:45 - 17:30 **Determinants of vaccine effectiveness: vaccine mechanisms, host factors and the epidemiological impact of herd immunity**
Margaret Liu, Karolinska Institutet, Sweden and University of California San Francisco, USA
Biosketch on page 17

17:30 - 17:45 **Questions and discussion**

17:45 - 18:30 **Break and free poster viewing**

18:30 **Dinner**

Program

Thursday 23 October, 2025

Session III

Chair: Annasara Lenman, Umeå University

- 09:00 - 9:45** **Challenges in vaccine development against viral infections**
Sören Andersson, Örebro University, Sweden
Biosketch on page 18
- 10:45 - 10:00** **Questions and discussion**
- 10:00 - 10:30** **Coffee**
- 10:30 - 11:15** **Challenges in vaccine development against bacterial infections**
Manuela Terrinoni, University of Gothenburg, Sweden
Biosketch on page 19
- 11:15 - 11:30** **Questions and discussion**
- 11:30 - 12:15** **Gastrointestinal viral vaccines: Rotavirus and more**
Lennart Svensson, Linköping University, Sweden
Biosketch on page 20
- 12:15 - 12:30** **Questions and discussion**
- 12:30 - 14:00** **Lunch**
- 14:00 - 15:00** **Poster session II**
- 15:00 - 15:15** **Coffee**

Session IV

Chair: Ali Mirazimi, Karolinska Institutet

- 15:15 - 16:00** **COVID-19 vaccines: Lessons learned and future strategies for elderly vaccination programs**
Mattias Forsell, Umeå University, Sweden
Biosketch on page 13
- 16:00 - 16:15** **Questions and discussion**
- 16:15 - 17:00** **Online Lecture: Influenza vaccines: Annual challenges, antigenic drift, and the path to universal flu protection**
Florian Krammer, Medical University of Vienna, Austria
Biosketch on page 21
- 17:00 - 17:15** **Questions and discussion**
- 17:15 - 18:30** **Break & free poster viewing**
- 18:30** **Dinner**

Program

Friday 24 October, 2025

Session V

Chair: Annasara Lenman, Umeå University

- 8:30 - 9:15** **Vaccine development according to GMP standard**
Helena Petterson, NorthX Biologics, Sweden
Biosketch on page 22
- 9:15 - 9:30** **Questions and discussion**
- 9:30 - 10:15** **HPV and cancer vaccines: The role of immunization in cancer prevention**
Miriam Elfström, Karolinska University Hospital, Sweden
Biosketch on page 23
- 10:15 - 10:30** **Questions and discussion**
- 10:30 - 10:45** **Coffee**
- 10:45 - 11:30** **Travel vaccines: Protecting against endemic and emerging diseases**
Matti Sällberg, Karolinska Institutet, Sweden
Biosketch on page 24
- 11:30 - 11:45** **Questions and discussion**
- 11:45 - 13:00** **Lunch**

Session VI

Chair: Ali Mirazimi, Karolinska Institutet

- 13:00 - 13:45** **Tuberculosis vaccine: BCG & next-gen TB vaccines**
Rachel Tanner, University of Oxford UK
Biosketch on page 25
- 13:45 - 14:00** **Questions and discussion**
- 14:00 - 14:45** **Vaccine hesitancy & public perception of vaccines**
Amina Manzoor, Expressen, Sweden
Biosketch on page 26
- 14:45 - 15:00** **Questions and discussion**
- 15:00 - 16:00** **Coffee and closing remarks, course certificates and course evaluation**
Annasara Lenman, Umeå University
Ali Mirazimi, Karolinska Institutet

Course evaluation:



- 16:00** **Bus departure to Stockholm Central Station and Stockholm Arlanda Airport**