

# Program

## Wednesday 22 October, 2025

### Registration and Welcome

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

**09:00 - 9:15**      **Introduction by course leaders**  
Annasara Lenman, Umeå University  
Ali Mirazimi, Karolinska Institutet

### Session I

Chair: Annasara Lenman, Umeå University

**09:15 - 10:00**      **Introduction to vaccinology: history, principles & impact**  
Klaus Überla, Friedrich-Alexander-University, 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, Läkemedelsverket, Sweden  
Biosketch on page 16

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

**16:45 - 17:30**      **Vaccine development according to GMP standard**  
Helena Petterson, NorthX Biologics, Sweden  
Biosketch on page 17

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

**17:45 - 18:30**      **Break & 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**   **Travel vaccines: protecting against endemic and emerging diseases**  
Matti Sällberg, Karolinska Institutet, 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 21
- 16:00 - 16:15**   **Questions and discussion**
- 16:15 - 17:00**   **Influenza vaccines: annual challenges, antigenic drift, and the path to universal flu protection**  
Florian Krammer, Medical University of Vienna, Austria  
Biosketch on page 22
- 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**      **Determinants of vaccine effectiveness: host factors and the epidemiological impact of herd immunity**  
TBD  
Biosketch on page 23
- 9:15 - 9:30**      **Questions and discussion**
- 9:30 - 10:15**    **HPV and cancer vaccines: the role of immunization in cancer prevention**  
Joakim Dillner, Karolinska Institutet, Sweden  
Biosketch on page 24
- 10:15 - 10:30**   **Questions and discussion**
- 10:30 - 10:45**   **Coffee**
- 10:45 - 11:30**   **Gastrointestinal viral vaccines: Rotavirus and more**  
Lennart Svensson, Linköping University, Sweden  
Biosketch on page 25
- 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 26
- 13:45 - 14:00**   **Questions and discussion**
- 14:00 - 14:45**   **Vaccine hesitancy & public perception of vaccines**  
Amina Manzoor, Expressen, Sweden  
Biosketch on page 27
- 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**