

# Program

**Monday 18 August, 2025**

## **Registration and Welcome**

**11:00**                **Registration and poster mounting**

**11:30 - 12:30**    **Lunch**

**12:30 - 12:45**    **Introduction by course leaders**  
Annasara Lenman, Umeå University  
Mårten Strand, Umeå University

## **Introduction to Antivirals**

Chair:

**12:45 - 13:30**    **Introduction to Antivirals & Historical Perspective, Virus Replication and Drug Targets**  
Marta Bally, Umeå University, Sweden  
Biosketch on page 12

**13:30 - 13:45**    **Questions and discussion**

**13:45 - 14:30**    **Mechanisms of Action of Antivirals**  
Annasara Lenman, Umeå University, Sweden  
Biosketch on page 13

**14:30 - 14:45**    **Questions and discussion**

**14:45 - 15:15**    **Coffee**

**15:15 - 16:00**    **Antivirals in Immunocompromised Patients**  
Malin Inghammar, Lund University, Sweden  
Biosketch on page 14

**16:00 - 16:15**    **Questions and discussion**

**16:15 - 17:00**    **Fundamentals of Pharmaceutical Chemistry**  
Mikael Elofsson, Umeå University, Sweden  
Biosketch on page 15

**17:00 - 17:15**    **Questions and discussion**

**17:15 - 18:30**    **Free time**

**18:30**                **Dinner**

**20:00**                **Meet and greet with snacks**

# Program

## Tuesday 19 August, 2025

### Session II

Chair:

- 8:30 - 9:15**      **Antivirals against Influenza and SARS-CoV-2**  
Lieve Naesens, KU Leuven, Belgium  
Biosketch on page 16
- 9:15 - 9:30**      **Questions and discussion**
- 9:30 - 10:15**    **Antivirals against emerging viruses: Ebola, Dengue, Zika Virus and more**  
**Online lecture**  
Johan Neyts, KU Leuven, Belgium  
Biosketch on page 17
- 10:15 - 10:30**   **Questions and discussion**
- 10:30 - 10:45**   **Coffee**
- 10:45 - 11:30**   **Broad-Spectrum Antivirals & Repurposed Drugs**  
Denis Kaynov, Norwegian University of Science and Technology, Norway  
Biosketch on page 18
- 11:30 - 11:45**   **Questions and discussion**
- 11:45 - 13:15**   **Lunch**

### Session III

Chair:

- 13:15 - 14:00**   **TBD**  
Leandro Simonetti, Uppsala University, Sweden  
Biosketch on page 19
- 14:00 - 14:15**   **Questions and discussion**
- 14:15 - 15:15**   **Poster session I**
- 15:15 - 15:30**   **Coffee**
- 15:30 - 16:15**   **Antiviral Drug Discovery & Screening Approaches**  
Tomas Lundbäck, Astra Zeneca, Sweden  
Biosketch on page 20
- 16:15 - 16:30**   **Questions and discussion**
- 16:30 - 17:15**   **Antiviral drug discovery and development**  
Mikael Elofsson, Umeå University, Sweden  
Biosketch on page 15
- 17:15 - 17:30**   **Questions and discussion**
- 17:30 - 18:30**   **Free time**
- 18:30**            **Dinner**

# Program

## Wednesday 20 August, 2025

### Session IV

Chair:

- 8:30 - 9:15**      **Antivirals against HIV including drug resistance**  
Johan Lennerstrand, Uppsala University, Sweden  
Biosketch on page 21
- 9:15 - 9:30**      **Questions and discussion**
- 9:30 - 10:15**      **Antivirals against Hepatitis B and C including drug resistance**  
Johan Lennerstrand, Uppsala University, Sweden  
Biosketch on page 21
- 10:15 - 10:30**      **Questions and discussion**
- 10:30 - 10:45**      **Coffee**
- 10:45 - 11:30**      **Emerging technologies in antivirals research- DEFENDER and beyond**  
Stephanie Pfänder, Leibniz Institute of Virology (LIV), Germany  
Biosketch on page 22
- 11:30 - 11:45**      **Questions and discussion**
- 11:45 - 13:15**      **Lunch**

### Session II

Chair:

- 13:15 - 14:00**      **Multi-Omics and systems biology for antiviral therapeuticw discovery**  
Ujjwal Neogi, Karolinska Institutet, Sweden  
Biosketch on page 23
- 14:00 - 14:15**      **Questions and discussion**
- 14:15 - 15:15**      **Poster session II**
- 15:15 - 15:30**      **Coffee**
- 15:30 - 16:15**      **AI-based drug discovery**  
Matthew Raybould, University of Oxford, UK  
Biosketch on page 24
- 16:15 - 16:30**      **Questions and discussion**
- 16:30 - 17:15**      **An antiviral journey – from bench to bedside and back to bench again**  
Niklas Arnberg, Umeå University, Sweden  
Biosketch on page 25
- 17:15 - 17:30**      **Questions and discussion**

# Program

## Wednesday 20 August, 2025

**17:30 - 18:00**    **Concluding remarks, evaluation, and course certificates**

Annasara Lenman, Umeå University

Mårten Strand, Umeå University

Course evaluation:



**18:30**            **Dinner**

**19:30 - 20:00**    **Removing posters**

## Thursday 21 August, 2025

**10:00**            **Departure**

Bus to Smögen