

Antibiotics and Antibiotic Resistance 2026

Monday 23 March, 2026

Registration and Welcome

- 11:00** **Registration and poster mounting**
- 11:30-12:30** **Lunch**
- 12:30-13:00** **Welcome and short introductions by course participants**
Helen Wang, NDPIA, Uppsala Antibiotic Center, Uppsala University
Diarmaid Hughes, Uppsala Antibiotic Center, Uppsala University
Eva Garmendia, Uppsala Antibiotic Center, Uppsala University
Edmund Loh, NDPIA, Karolinska Institutet

Session I

Chair: Helen Wang, Uppsala University

- 13:00-13:45** **Resistance from a microbe perspective**
Diarmaid Hughes, Uppsala Antibiotics Center, Uppsala University, Sweden
- 13:45-14:00** **Questions and discussion**
- 14:00-14:45** **Global overview of antibiotic resistance – Online Lecture**
Stephan Stenmark, Public Health Agency, Sweden
- 14:45-15:00** **Questions and discussion**
- 15:00-15:30** **Coffee**
- 15:30-16:15** **Clinical implications of antibiotic resistance**
Lina Davies Forsman, Karolinska Institutet, Sweden
- 16:15-16:30** **Questions and discussion**
- 16:30-17:15** **Making sense of antibiotic resistance: Communicate for change**
Eva Garmendia, Uppsala Antibiotics Center, Uppsala University, Sweden
- 17:15-17:30** **Questions and discussion**
- 17:30-18:30** **Free time and check-in**
- 18:30** **Dinner**

Tuesday 24 March, 2026

Session II

Chair: Eva Garmendia, Uppsala University

- 08:30-09:15** **Ribosome structure and function**
Nora Vázquez-Laslop, Center for Biomolecular Sciences, University of Illinois at Chicago, USA
- 09:15-09:30** **Questions and discussion**
- 09:30-09:45** **Coffee**
- 09:45-10:30** **Antibiotics targeting the ribosome**
Nora Vázquez-Laslop, Center for Biomolecular Sciences, University of Illinois at Chicago, USA
- 10:30-10:45** **Questions and discussion**
- 10:45-11:30** **Replication Inhibitors**
Diarmaid Hughes, Uppsala Antibiotics Center, Uppsala University, Sweden
- 11:30-11:45** **Questions and discussion**
- 11:45-12:45** **Lunch**

Poster Session I

- 12:45-13:45** **Poster Walks**
Poster walks in groups in parallel (4 min presentation + 3 min questions)
- 13:45-13:55** **Break**
- 13:55-14:45** **Poster Viewing**
Even numbers
- 14:45-15:15** **Coffee**

Session III

Chair: Diarmaid Hughes, Uppsala University

- 15:15-16:00** **Cell wall structure, biosynthesis, and targets**
Mariana Pinho, Universidade NOVA de Lisboa, Portugal
- 16:00-16:15** **Questions and discussion**
- 16:15-17:00** **β -lactams, β -lactamases and β -lactam inhibitors**
Ørjan Samuelsen, University Hospital of North Norway, Tromsø, Norway
- 17:00-17:15** **Questions and discussion**
- 17:15-17:25** **Break**
- 17:25-18:10** **Group work: Making sense of antibiotic resistance**
Modulator: Eva Garmendia
- 18:10-18:30** **Break**
- 18:30** **Dinner**

Wednesday 25 March, 2026

Session IV

Chair: Edmund Loh, Karolinska Institutet

- 08:15-09:00** **Genetics of Resistance: selection, cost, and compensatory evolution**
Diarmaid Hughes, Uppsala Antibiotics Center, Uppsala University, Sweden
- 09:00-09:15** **Questions and discussion**
- 09:15-10:00** **The evolution, transmission and surveillance of antibiotic resistant bacteria in a One Health Perspective**
Susanna Sternberg Lewerin, Swedish University of Agricultural Sciences, Uppsala, Sweden
- 10:00-10:15** **Questions and discussion**
- 10:15-10:30** **Coffee**
- 10:30-11:15** **Global governance and policy action on antibiotic resistance**
Peter Søggaard Jørgensen, Stockholm Resilience Centre, Stockholm University, Sweden
- 11:15-11:30** **Questions and discussion**
- 11:30-12:45** **Lunch**
- 12:45-13:30** **Phage therapy in practice**
Christian Willy, Military Academic Hospital Berlin, Germany
- 13:30-13:45** **Questions and discussion**

Poster Session II

- 13:45-14:45** **Poster Walks**
Poster walks in groups in parallel (4 min presentation + 3 min questions)
- 14:45-15:15** **Coffee**
- 15:15-16:05** **Poster Viewing**
Odd numbers

Session V

Chair: Helen Wang, Uppsala University

- 16:15-17:00** **Bacterial vaccines as an alternative to antibiotics**
Staffan Normark, Karolinska Institutet, Sweden
- 17:00-17:15** **Questions and discussion**
- 17:15-18:00** **Free time**
- 18:00** **Dinner**
- Evening activity** **Group presentations: Making sense of antibiotic resistance**
Modulator: Eva Garmendia

Thursday 26 March, 2026

Session VI

Chair: Edmund Loh, Karolinska Institutet

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| 08:30-09:15 | Clinical resistance and diagnostics
Nikolaos Fatsis-Kavalopoulos, Uppsala University, Sweden |
| 09:15-09:30 | Questions and discussion |
| 09:30-10:15 | Microbiome based strategies for decolonization of multidrug resistance and infection prevention
Reetta Satokari, University of Helsinki, Finland |
| 10:15-10:30 | Questions and discussion |
| 10:30-10:45 | Coffee |
| 10:45-11:30 | Global pipeline for antibiotic development
Douglas Huseby, Uppsala University, Sweden |
| 11:30-11:45 | Questions and discussion |
| 11:45-13:00 | Lunch |
| 13:00-13:45 | AI in drug design
Andreas Lutten, Karolinska Institutet, Sweden |
| 13:45-14:00 | Questions and discussion |
| 14:00-14:30 | Concluding remarks, evaluation, course certificates, poster award |
| 14:30-15:00 | Coffee |
| 15:00 | Departure |