

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:

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	Clinical importance of resistance TBD
14:45-15:00	Questions and discussion
15:00-15:30	Coffee
15:30-16:15	Global overview 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:

- 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:

- 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:

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| 08:30-09:15 | Genetics of Resistance: selection, cost, and compensatory evolution
Diarmaid Hughes, Uppsala Antibiotics Center, Uppsala University, Sweden |
| 09:15-09:30 | Questions and discussion |
| 09:30-09:45 | Coffee |
| 09:45-10:30 | The role of the environment in evolution, transmission and surveillance of antibiotic-resistant bacteria/ OneHealth
Susanna Sternberg Lewerin, Swedish University of Agricultural Sciences, Uppsala, Sweden |
| 10:30-10:45 | Questions and discussion |
| 10:45-11:30 | Clinical resistance and diagnostics
Nikolaos Fatsis-Kavalopoulos, Uppsala University, Sweden |
| 11:30-11:45 | Questions and discussion |
| 11:45-12:45 | Lunch |

Poster Session II

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| 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
Odd numbers |
| 14:45-15:15 | Coffee |

Session V

Chair:

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| 15:15-16:00 | Bacterial vaccines as an alternative to antibiotics
Staffan Normark, Karolinska Institutet, Sweden |
| 16:00-16:15 | Questions and discussion |
| 16:15-17:00 | Global governance and policy action on antibiotic resistance
TBD |
| 17:00-17:15 | Questions and discussion |
| 17:15-18:30 | Free time |
| 18:30 | Dinner |
| Evening activity | Group presentations: Making sense of antibiotic resistance
Modulator: Eva Garmendia |

Thursday 26 March, 2026

Session VI

Chair:

08:30-09:15	Phage therapy in practice TBD
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
10:30-11:00	Coffee
11:00-11:45	Global pipeline for antibiotic development Douglas Huseby, Uppsala University, Sweden
11:45-12:00	Questions and discussion
12:00-13:00	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
15:00	Departure