

Postgraduate course Programme

Antimicrobial susceptibility testing with EUCAST criteria and methods

Zagreb, Croatia
9 – 11 September 2026



Antimicrobial susceptibility testing with EUCAST criteria and methods

Zagreb, Croatia



Faculty Members

Croatia	Iva Butic
Spain	Rafael Canton
United Kingdom	Shampa Das
Sweden	Oskar Ekelund
Germany	Sören Gatermann
France	Frederic Laurent
Denmark	Barbara Holzknacht
Sweden	Gunnar Kahlmeter
Sweden	Onur Karatuna
Sweden	Erika Matuschek
Croatia	Irina Pristas
Croatia	Sivija Soprek
Croatia	Arjana Tambic Andrusevic
United Kingdom	Mandy Wootton

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Day 1 Wednesday, 09 September 2026

DEFINING AND APPLYING ANTIMICROBIAL BREAKPOINTS: FROM EVIDENCE TO PRACTICE

Chair: Gunnar Kahlmeter

14:00 – 14:30	The EUCAST system, S/I/R definitions Sören Gatermann
14:30 – 15:00	Critical PK/PD metrics for setting evidence-based antimicrobial breakpoints Shampa Das
15:00 – 15:30	Integrating available information – how clinical breakpoints are set Sören Gatermann
15:30 – 15:45	Discussion
15:45 – 16:15	Break

AST BEST PRACTICES

Chair: Arjana Tambic Andrasevic

16:15 – 16:35	Distributions and ECOFFs based on phenotypic susceptibility testing (MIC, disk diffusion) Gunnar Kahlmeter
16:35 – 16:55	Agreement and discordance among disk diffusion, E-test/gradient tests, and broth microdilution methods: case-based insights Erika Matuschek
16:55 – 17:15	EUCAST guidance documents as a companion to the breakpoint tables Barbara Holzknacht
17:15 – 17:35	When Synergy testing makes sense Mandy Wootton
17:35 – 18:00	Discussion

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Day 2 Thursday, 10 September 2026

EXPECTED SUSCEPTIBILITY PHENOTYPES VS ACQUIRED RESISTANCE MECHANISMS

Chair: Mandy Wootton

09:00 – 09:30	Expected resistant / susceptible phenotypes and expert rules Rafael Cantón
09:30 – 10:00	Detection of clinically important resistance mechanisms for gram-negative bacteria Iva Butic
10:00 – 10:30	Detection of clinically important resistance mechanisms for gram-positive bacteria Irina Pristas
10:30 – 10:45	Discussion
10:45 – 11:15	Break

ADVANCES IN ANTIBIOTIC SUSCEPTIBILITY TESTING

Chair: Sören Gatermann

11:15 – 11:35	Antibiotic testing for fastidious bacteria Mandy Wootton
11:35 – 11:55	The use of Whole Genome Sequencing for genomic antimicrobial susceptibility prediction Rafael Cantón
11:55 – 12:15	Novel methods for the detection of resistance Silvija Soprek
12:15 – 12:35	Phage Susceptibility Testing (PST) Frederic Laurent
12:35 – 13:00	Discussion
13:00 – 14:00	Lunch break

TECHNICAL WORKSHOP

14:30 – 17:00	Laboratory practical Iva Butic, Onur Karatuna, Erika Matuschek, Irina Pristas, Sivija Soprek & Arjana Tambic
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Day 3 Friday, 11 September 2026

ENSURING QUALITY IN ANTIMICROBIAL SUSCEPTIBILITY TESTING

Chair: Frederic Laurent

09:00 – 09:20	Troubleshooting and corrective interventions after EQA challenges Onur Karatuna
09:20 – 09:40	Validation and verification of the new method in your lab Erika Matuschek
09:40 – 10:00	Bias in using AST data for AMR surveillance Gunnar Kahlmeter
10:00 – 10:20	The role of the European Reference Laboratory for AMR in enhancing AST quality Oskar Ekelund
10:20 – 10:45	Discussion
10:45 – 11:15	Break

AST GUIDED RATIONAL ANTIBIOTIC PRESCRIBING

Chair: Rafael Cantón

11:15 – 11:35	From broad to targeted: clinical examples Barbara Holzknrecht
11:35 – 11:55	Selective reporting for urinary tract infections Arjana Tambic Andrasevic
11:55 – 12:15	Rapid AST from positive blood cultures Oskar Ekelund
12:15 – 12:35	Choosing materials for reliable antibiotic susceptibility testing: balancing quality and cost Onur Karatuna
12:35 – 13:00	Discussion
13:00 – 14:00	Lunch break

TECHNICAL WORKSHOP

14:30 – 16:00	Laboratory practical Iva Butic, Onur Karatuna, Erika Matuschek, Irina Pristas, Sivija Soprek, Rafael Cantón, & Arjana Tambic
16.30 – 17:30	How to improve AST practice in your own laboratory Sören Gatermann, Onur Karatuna, Arjana Tambic, Rafael Cantón & Oskar Ekelund
17:30 – 18:00	Closing remarks

Programme

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Organisers



Sekcija za
rezistenciju bakterija
na antibiotike

HLZ / HDKM / AMR STUDY GROUP

