

## 2<sup>nd</sup> Summer School on Antimicrobial and Biocide Resistance

### Detailed Schedule for 22<sup>nd</sup> July, Monday

Monday, 22 <sup>nd</sup> July	
09:30	Welcome
09:45	<b>Talk 1: AMR in today's world: a One Health Perspective</b>  <b>(Isabel Couto)</b>
10:00	
10:15	
10:30	Coffee-break
10:45	<b>Talk 2: Antimicrobial susceptibility testing: best practices and pitfalls</b>  <b>(Stefan Schwarz)</b>
11:00	
11:15	
11:30	
11:45	Coffee-break
12:00	<b>Talk 3: Procedures of antimicrobial susceptibility testing and interpretation of the results</b>  <b>(Andrea Feßler)</b>
12:15	
12:30	
12:45	
End 13:00	
14:00	<b>Practical lesson 1</b>  <b>Methodologies for evaluation of antimicrobial susceptibility</b>
15:00	
16:00	
17:00	

### Detailed Schedule for 23<sup>rd</sup> July, Tuesday

Tuesday, 23 <sup>rd</sup> July	
09:30	<b>Talk 4: Origins and mechanisms of AMR</b>  <b>(Stefan Schwarz)</b>
09:45	
10:00	
10:15	
10:30	Coffee-break
10:45	<b>Talk 5: Development of a biocide susceptibility testing method and quality control ranges</b>  <b>(Andrea Feßler)</b>
11:00	
11:15	
11:30	
11:45	Coffee-break
12:00	<b>Talk 6: Biocides - resistance mechanisms and ECOFFs</b>  <b>(Sofia Santos Costa)</b>
12:15	
12:30	
12:45	
End 13:00	

14:00	<b>Practical lesson 2</b>  <b>Estimation of ECOFF values and predict decreased susceptibility to biocides</b>
15:00	
16:00	
17:00	

### Detailed Schedule for 24<sup>th</sup> July, Wednesday

Wednesday, 24 <sup>th</sup> July	
09:30	<b>Talk 7: AMR transfer between bacteria / Mobilome</b>  <b>(Stefan Schwarz)</b>
09:45	
10:00	
10:15	
10:30	Coffee-break
10:45	<b>Talk 8: Genomic analysis to predict AMR: possibilities and limitations</b>  <b>(Dennis Hanke)</b>
11:00	
11:15	
11:30	
11:45	Coffee-break
12:00	<b>Group work and discussion: Evaluation and interpretation of AST results</b>
12:15	
12:30	
12:45	
End 13:00	
14:00	<b>Practical lesson 3</b>  <b>Isolation of genomic DNA for long-read sequencing</b>
15:00	
16:00	
17:00	

### Detailed Schedule for 25<sup>th</sup> July, Thursday

Thursday, 25 <sup>th</sup> July	
09:30	<b>Talk 9: Efflux driven AMR</b> <b>(Isabel Couto)</b>
09:45	
10:00	
10:15	
10:30	Coffee-break
10:45	<b>Talk 10: Methodologies for efflux evaluation</b> <b>(Sofia Santos Costa)</b>
11:00	
11:15	
11:30	
11:45	Coffee-break
12:00	<b>Talk 11: AMR transfer among and between humans and animals</b> <b>(Stefan Schwarz)</b>
12:15	
12:30	
12:45	
End 13:00	
14:00	<b>Practical lesson 4</b> <b>Prediction of AMR by whole-genome sequencing data analysis</b>
15:00	
16:00	
17:00	

### Detailed Schedule for 26<sup>th</sup> July, Friday

Friday, 26 <sup>th</sup> July	
09:30	TBA
09:45	
10:00	
10:15	
10:30	Coffee-break
10:45	Evaluation
11:00	
11:15	
11:30	
11:45	Coffee-break
12:00	Feedback & Farewell
12:15	
12:30	
12:45	
End 13:00	