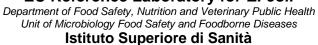


EU Reference Laboratory for *E. coli*





Training Course on WGS data use: bioinformatics for NGS data mining for typing pathogenic *E. coli*

2 days

Online course

Istituto Superiore di Sanità



Organized by:

The EU Reference Laboratory for E. coli

Funded by the European Commission – DG SANTE

PROGRAM

Day 1		
09.30	Start of the training stage	
09.40	Welcome, housekeeping, and general overview on the training course	
	Session 1	
09.50	Introduction to the ARIES webserver user-interface	
10.20	E. coli serotyping through ARIES	
10.40	Pathogenic <i>E. coli</i> : overview of virulence genes and <i>stx</i> subtypes and introduction to virulotyping approaches on ARIES	
11.10	Explanation of the tasks assigned to the trainees to be carried out during the hands-on session (Data preparation, <i>E. coli</i> serotyping, <i>E. coli</i> virulotyping, <i>stx</i> subtyping)	
11.40	End of session 1	
14.30	Live chat assistance for possible problems/questions arising during hands-on session	
16.00	End of Day 1	
Day 2		
	Session 2	
09.30	Results discussion	
10.15	Introduction to Multi Locus Sequence Typing: 7-genes MLST typing approaches through ARIES	
10.45	Introduction to cgMLST: chewBBACA and chewTree for cluster analysis	
11.10	Explanation of the tasks assigned to the trainees to be carried out during the hands-on session (7-genes MLST, chewBBACA, chewTree)	
11.40	End of session 2	
13.40	Live chat assistance for possible problems/questions arising during hands-on session	
	Session 3	

15.30	Results discussion
16.15	Introduction to outbreak investigation flow
16.45	General discussion on the activities carried out
17.00	Satisfaction survey
17.15	Closure