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Workshop on Plasmids as Vehicles of AMR Spread | (smr 3876)

Wednesday 20 September 2023

Session 3: How do plasmid spread in natural communities? - Giambiagi Lecture Hall (AGH) (09:00-16:30)

time	title	presenter
09:00	Plasmids: pragmatic challenges for public health surveillance of AMR	DAVID AANENSEN
09:20	Population genomics of Klebsiella pneumoniae plasmids	EDWARD FEIL
09:40	Challenges of plasmid transmission analysis at the Alfred Hospital	JANE HAWKEY
10:00	Q&A	
10:15	Group photo	
10:20	Coffee break	
10:45	Antimicrobial resistance level and conjugation permissiveness shape plasmid distribution in clinical enterobacteria	ALVARO SAN MILLAN CRUZ
11:05	Phylogenomics adapted to plasmid evolution	ALICE LEDDA
11:25	Jaccard Index Network Analysis reveals the contribution of accessory genome to the recent diversification of Salmonella Typhi	ARANCHA PENIL CELIS
11:40	RoundHound: detecting plasmid transmission from short-read datasets	LEAH ROBERTS
11:55	Approximating plasmid relatedness using Double Cut and Join Indel model	DARIA FROLOVA
12:10	Lunch break	
13:30	Integrations on plasmids: the global genomic epidemiology of bla _{GES-5}	WILLIAM MATLOCK
13:45	Detecting AMR plasmid variants in Shigella sonnei	SALLY PARTRIDGE
14:00	Exploiting Short-Reads Plasmid Signature for Phenotypic Resistance Analysis: a bioinformatic methodology approach	FEDERICO DI MARCO
14:05	Accumulation of replicons carrying multiple copies of mcr and bla _{KPC-2} in Enterobacter kobei from Brazilian recreational coastal waters	GABRIELA BERGIANTE KRAYCHETE
14:10	Aeromonas as a major host of antimicrobial resistance in wastewater settings	DAVID BALTRUS
14:15	The emergence, context and impact of L3 lineage IncL plasmids on antimicrobial resistance dynamics	JOSE DELGADO BLAS
14:20	Three major Neisseria gonorrhoeae beta-lactamase plasmid variants are associated with TEM alleles and lineages	TABEA ELSENER
14:25	Integrated analysis of patient networks and plasmid genomes reveals a regional, multi-species outbreak of carbapenemase-producing Enterobacterales carrying both bla _{IMP} and mcr-9 genes	YU WAN
14:30	Coffee and posters	
15:00	Discussion/Projects	