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

Thursday 21 September 2023

Session 4: Plasmids and AMR - do we have a problem? - Giambiagi Lecture Hall (AGH) (14:30-18:15)

time	title	presenter
14:30	Sharing is caring: Mobile genetic element spread among multidrug-resistant bacteria in the hospital	DARIA VAN TYNE
14:50	The challenges of Plasmid Antibiotic Resistance Surveillance	TERESA COQUE
15:10	Break	
15:30	Experimentally exploring the role of codon usage in determining the immediate and evolutionary success of the horizontal transfer of an antibiotic resistance gene	STEPHANIE BEDHOMME
15:45	Using in vitro experimental epidemiology to compare the effectiveness of multi-drug treatment strategies to reduce plasmid-borne antibiotic resistance	SEBASTIAN BONHOEFFER
16:00	Coffee break	
16:30	Identifying plasmid transconjugants in the rare biosphere of the barley rhizosphere using Hi-C and target enrichment	THIBAUT STALDER
16:45	bla _{NDM-1} -bearing plasmid transmission between <i>Klebsiella pneumoniae</i> strains in biofilm and planktonic lifestyle	MICHELLE BUCKNER
17:00	The invasion success by antibiotic-resistant plasmid-bacterium associations in human-associated communities is determined by the interplay between intrinsic and environmental factors	RICARDO LEON-SAMPEDRO
17:15	Plasmid spread from carbapenemase producing <i>Enterobacter hormaechei</i> ST79 present on contaminated Dicillin capsules sold in Denmark	HENRIK HASMAN
17:30	Break	
17:45	Investigation of the extent of clonal and multiple acquisition in OXA-48 plasmids in UK hospitals	TOBY NONNENMACHER
17:50	In silico investigation of the plasmid composition of over 400 <i>Enterobacteriaceae</i> strains held by the National Collection of Type Cultures	JAKE TURNBULL
17:55	Genomic Epidemiologic Investigation of a Hospital Outbreak of NDM-5-Producing Gram-Negative Enterobacteriales Infections	NATHAN RAABE
18:00	IncC plasmids in the emergent genotype ST213 of <i>Salmonella</i> Typhimurium: Phenotypic analyses of plasmid-cured mutant strains and comparative genomics	MARCO PEREZ
18:05	Ecology & evolution of a clinical plasmid population	CELIA SOUQUE
18:10	Genomic dissection of plasmids driving AMR and hypervirulence convergence in <i>Klebsiella pneumoniae</i>	MARGARET LAM