SUMMER COURSES
july 2017

Genomics in foodborne pathogen surveillance and outbreak investigation

Whole Genome Sequencing

University of the Basque Country, UPV/EHU, Vitoria-Gasteiz, Spain
12th July 2017
Micaela Portilla Research Center, Campus of Álava, UPV/EHU

08.15  Registration and coffee

08.40 – 09.00  Opening of the course, welcome
Javier Garaizar. Professor of Microbiology, UPV/EHU
Beatriz Guerra. Senior Scientific Officer, EFSA
Bittor Oroz. Vice-Minister of Agriculture, Fisheries and Food Policy, Basque Government
Gorka Urtaran. Mayor of Vitoria-Gasteiz
Iván Igarzua. Vice-rector of Campus of Álava, UPV/EHU

09.00 – 09.45  WGS in surveillance and outbreak detection of foodborne pathogens
Eduardo Taboada

09.45 – 10.30  WGS and antibiotic resistance
Mark MaGuire

10.30 – 11.00  Coffee break

11.00 – 11.10  EU Capacity-building projects: INNUENDO
Mirko Rossi

11.10 – 11.30  EU Capacity-building projects: ENGAGE&COMPARE
Valeria Bortolaia

11.30 – 12.00  From reads to profiles to trees: challenges and solutions in high throughput sequencing data analysis
João Carriço

12.00 – 12.30  Phenotypic prediction using WGS data: virulome and resistome
Valeria Bortolaia

12.30 – 13.30  Lunch

13.30 – 13.50  QA/QC and automatization of whole genome sequence analysis: theory
Mirko Rossi

13.30 – 14.10  QA/QC and automatization of whole genome sequence analysis: Implementation
Miguel Machado

14.10 – 14.40  GScompare: fast clustering of assembled genomes
Joseba Bikandi

14.40 – 15.00  Whole genome MLST: theory
João Carriço

15.00 – 15.15  Whole genome MLST: implementation
Mickael Silva

15.15 – 15.30  Whole genome MLST: phylogenetic inference and metadata visualization
Bruno Gonçalves

15.30 – 16.00  Coffee break

16.00 – 16.30  A road map to national WGS based surveillance of foodborne bacteria, Finland
Saara Salmenlinna

16.30 – 17.00  Standardized communication during outbreak investigation
Mirko Rossi

17.00  Remarks and closing of the day

19.00  Venue and Social event

Organizing committee

• Javier Garaizar
University of The Basque Country. UPV/EHU. Spain

• Mirko Rossi
University of Helsinki. Finland

• Joseba Bikandi
University of The Basque Country. UPV/EHU. Spain

• João Carriço
University of Lisboa. Portugal

Course venue
Micaela Portilla Research Center,
Campus of Araba, UPV/EHU
Justo Vélez de Elorriaga, 1
01006 Vitoria-Gasteiz
Álava. Spain