

SUMMER COURSES

July 2017



Genomics in foodborne pathogen surveillance and outbreak investigation



University of the Basque Country,
UPV/EHU,
Vitoria-Gasteiz, Spain



PROGRAMME

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 Igartua. 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 Véllez de Elorriaga, 1
01006 Vitoria-Gasteiz
Álava. Spain