

# SUMMER COURSES

july 2017



## Genomics in foodborne pathogen surveillance and outbreak investigation



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



# PROGRAMME

**12<sup>th</sup> 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. Scientific. Senior Scientific  
Officer, EFSA  
Peli Manterola. Quality and Food  
Industries Director, Basque Government  
Peio López de Munain. Vitoria-Gasteiz  
Deputy Mayor  
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**  
Martin Cormican

## 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