



**EU Reference Laboratory for *E. coli***  
*Department of Food Safety, Nutrition and Veterinary Public Health*  
*Unit of Food Microbiology and Foodborne Diseases*  
**Istituto Superiore di Sanità**



**12<sup>th</sup> Annual Workshop of the  
National Reference Laboratories for *E. coli*  
in the EU  
12-13 October, 2017**

**Aula “G.B. Rossi”**

**Istituto Superiore di Sanità**

**Via Giano della Bella, 34 – 00161 Rome, Italy**



**Funded by the European Commission – DG SANTE**

**Thursday 12 October**

**13.15 Welcome brunch and registration**

**14.15** Introduction and housekeeping **Stefano Morabito, Susan Babsa, Clarissa Ferreri**

**14.30 Session 1. Update of surveillance and monitoring activities on STEC in the EU, and the development of a database on molecular typing of foodborne pathogens**

Update on VTEC molecular typing activities at ECDC **Saara Kotila, ECDC**

Trends and Sources of STEC and of food-borne outbreaks due to STEC, in the EU **Frank Boelaert, EFSA**

Update on the STEC Network preparedness for molecular typing data collection (PT-PFGE5) **Antonella Maugliani, EURL-VTEC**

**15.40 Session 2. Genomics: Applications to public health microbiology**

**Invited Talk:** Comparative genomics of intestinal protozoa **Simone Cacciò, EURL-Parasites**

Update on the preparedness on the use of NGS for characterization and typing of pathogenic *E. coli* and EURL initiatives **Valeria Michelacci, EURL-VTEC**

Collaboration between the EURL-VTEC and the Platform for Biotechnology and Molecular Biology (WIV-ISP, Belgium) for the development of a bioinformatics pipeline for routine analysis of whole genome sequencing data for typing of STEC/*E. coli* using Galaxy **Kevin Vanneste, Institut Scientifique de Santé Publique, Belgium**

Collaboration among EURL-VTEC and ANSES for CRISPR-CAS analysis on *E. coli* whole genome sequences **Patrick Fach, ANSES, France**

Mobilome of STEC O26 **Patrick Fach, ANSES, France**

**17.00 Closure of the first day**

**Friday 13 October**

<b>09.00</b>	<b>Invited talk</b>	EQA schemes for public health laboratories and WGS of STEC and other pathogenic <i>E. coli</i>	<b>Flemming Scheutz, International <i>Escherichia</i> Centre (WHO)</b>
<b>09.30</b>	<b>Session 3. Laboratory methods and proficiency testing (PT)</b>		
	Results of the inter-laboratory study on the identification and typing of STEC and other pathogenic <i>E. coli</i> strains (PT18)		<b>Rosangela Tozzoli, EURL-VTEC</b>
	Results of the inter-laboratory study on the detection of STEC in sprout spent irrigation water (PT19)		<b>Rosangela Tozzoli, EURL-VTEC</b>
	Update on the revision of the ISO TS 13136:2012		<b>Rosangela Tozzoli, EURL-VTEC</b>
<b>10.15</b>	<b>Round table. The problem of low isolation rates from spent irrigation water (PT19)</b>		
	Presentation from the NRLs that achieved isolation and discussion		<b>NRL France, NRL Ireland, NRL Slovakia</b>
<b>11.15</b>	<b>Coffee break</b>		
<b>11.45</b>	<b>Update from the European Commission</b>		
	Update on discussions of the WG on microbiological criteria of 2 <sup>nd</sup> October		<b>Pamina Mika Suzuki, European Commission</b>
<b>12.00</b>	<b>Session 4. Presentations from the NRLs and other participants</b>		
	Atypical STEC strains from HUS: An hybrid ETEC-STECC		<b>Valeria Michelacci, EURL-VTEC</b>
	Transferrable heat-resistance in <i>E. coli</i> food isolates		<b>Jörg Hummerjohann, NRL Switzerland</b>
	Yearly monitoring project on farm animals (pigs) in The Netherlands, results for STEC		<b>Menno van der Voort, NRL The Netherlands (NVWA)</b>
	Isolation of STEC from unpasteurized cheese and milk products and shellfish in Norway		<b>Gro Johannessen, NRL Norway</b>
<b>13.00</b>	<b>Lunch</b>		
<b>14.15</b>	<b>Session 4. Presentations from the NRLs and other participants</b>		
	STEC detections from UK ready-to-eat foods		<b>Frieda Jorgensen, NRL UK</b>
	Yearly monitoring project on farm animals (sheep/goats) in The Netherlands, results for STEC		<b>Angela Van Hoek, NRL The Netherlands (RIVM)</b>
	An outbreak of STEC O26 linked to water		<b>Gabriella Conedera, IZS Venezia, Italy Gaia Scavia, NRL Italy</b>
<b>15.00</b>	<b>Network activities, general discussion, and closing remarks</b>		
<b>16.00</b>	<b>Closure</b>		

## Invited Speakers

**Frank Boelaert**

**European Food Safety Authority (EFSA)**

Unit on Biological Hazards and Contaminants

Risk Assessment and Scientific Assistance Department

Parma, Italy

**Simone Cacciò**

**European Reference Laboratory for Parasites**

Istituto Superiore di Sanità

Rome, Italy

**Gabriella Conedera**

**Istituto Zooprofilattico sperimentale delle Venezie**

Cordenons (PN), Italy

**Patrick Fach**

**ANSES**

Food Safety Laboratory,

Maisons-Alfort, France

**Saara Kotila**

**European Centre for Disease Prevention and Control (ECDC)**

FWD Molecular Surveillance

Stockholm, Sweden

**Gaia Scavia**

**European Reference Laboratory for *E. coli* including VTEC**

Istituto Superiore di Sanità

Rome, Italy

**Flemming Scheutz**

**WHO Collaborating Centre for Reference and Research on  
Escherichia and Klebsiella**

Statens Serum Institut

Copenhagen, Denmark

**Kevin Vanneste,**

**Platform for Biotechnology and Molecular Biology**

Institut Scientifique de Santé Publique

Wetenschappelijk Instituut Volksgezondheid

Brussels, Belgium