Programme

In collaboration with ILSI Europe and the Society for Applied Microbiology. With the technical cooperation of the Food and Agricultural Organization of the United Nations.

Programme information is available at: www.foodprotection.org

Symposium held at The Hotel ReeHorst

Ede, The Netherlands :: 18-20 May 2011
Speakers

Dr. Wayne Anderson  
Food Safety Authority of Ireland  
Ireland

Dr. John Bossert  
Unilever SEAC  
United Kingdom

Dr. David Bean  
Mars Snack Food  
The Netherlands

Dr. Roy Bettis  
Campden BRI  
United Kingdom

Prof. Anders Miki Bojesen  
University of Copenhagen  
Denmark

Dr. François Bourdichon  
Danone Food Safety Centre  
France

Dr. Robert Buchanan  
University of Maryland  
United States

Dr. Paul Cook  
Food Standards Agency  
United Kingdom

Ir. Joost de Jong  
Food and Consumer Product Safety Authority  
The Netherlands

Dr. Eric Evers  
National Institute for Public Health and the Environment (RIVM)  
The Netherlands

Prof. Seamus Fanning  
University College Dublin  
Ireland

Dr. Esco Franz  
National Institute for Public Health and the Environment (RIVM)  
The Netherlands

Dr. Kazuko Fukushima  
World Health Organization  
Switzerland

Dr. Fiona Gilligan  
safefood  
Ireland

Mr. Jack Guzewich  
U.S. Food and Drug Administration  
United States

Prof. Dr. Arie Havelaar  
National Institute for Public Health and the Environment (RIVM)  
The Netherlands

Dr. Liesbeth Jacxsens  
Ghent University  
Belgium

Dr. Lee-Ann Jaykus  
North Carolina State University  
United States

Dr. Frans Kampers  
Wageningen University  
The Netherlands

Dr. Marion Koopmans  
National Institute of Public Health and the Environment (RIVM)  
The Netherlands

Dr. Danilo Lo-Fo-Wong  
World Health Organization  
Switzerland

Dr. Fabienne Loisy-Hamon  
CEERAM  
France

Dr. Peter McClure  
Unilever  
United Kingdom

Dr. Hubert Noteborn  
Food and Consumer Product Safety Authority  
The Netherlands

Dr. Pradip Patel  
bioMerieux  
France

Dr. Tobin Robinson  
European Food Safety Authority  
Italy

Dr. Wim Schreuders  
Food and Consumer Product Safety Authority  
The Netherlands

Prof. Dr. Mieke Uyttendaele  
Ghent University  
Belgium

Dr. Rian van der Doelen  
Mars Snack Food  
The Netherlands

Dr. Jacob van Klaveren  
National Institute of Public Health and the Environment (RIVM)  
The Netherlands

Dr. B.M.J. van der Meulen  
Wageningen University  
The Netherlands

Dr. Rachel Ward  
PepsiCo Europe  
United Kingdom

Dr. Atte von Wright  
University of Eastern Finland  
Finland

Dr. Sophie Zuber  
Nestlé  
Switzerland

Prof. Dr. Marcel Zwietering  
Wageningen University  
The Netherlands

Conference Organising Committee

Dr. Stefano Colombo, Chair  
Silliker Group Corp. - Europe  
France

Dr. Wayne Anderson  
Food Safety Authority of Ireland  
Ireland

Dr. Sarah Cahill  
Food & Agriculture Organization of the United Nations  
Italy

Prof. Leon G.M. Gorris  
ILSI Europe  
Belgium

Dr. Christina Harman  
BIOTECON Diagnostics  
Germany

Dr. Pratima Rao Jasti  
ILSI Europe  
Belgium

Dr. Lee-Ann Jaykus  
North Carolina State University  
United States

Mr. David Lloyd  
University of Wales Institute, Cardiff  
United Kingdom

Mr. Alain Minelli  
DuPont Qualicon – Europe  
Switzerland

Dr. Margaret Patterson  
Agri-Food & Biosciences Institute  
Northern Ireland

Dr. Helmut Steinkamp  
German Institute of Food Technologies  
Germany

Dr. Michele Storrs  
bioMerieux  
France

Mr. David Tharp  
International Association for Food Protection  
United States

Dr. Isabel Walls  
USDA - The National Institute of Food and Agriculture  
United States

Local Organising Committee

Mr. Paul in ‘t Veld  
Food and Consumer Product Safety Authority  
Ireland

Dr. Diana Visser  
PURAC  
Belgium

Prof. Marcel Zwietering  
Wageningen University  
The Netherlands

Dr. Serve Notermans  
Food Safety Consultancy  
Ireland

Dr. John Bossert  
Unilever SEAC  
United Kingdom

Prof. Dr. Arie Havelaar  
National Institute for Public Health and the Environment (RIVM)  
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International Association for Food Protection  
United States

Dr. Isabel Walls  
USDA - The National Institute of Food and Agriculture  
United States
## Day 1 - Wednesday, 18 May 2011

### 08.00-17.00 Registration Open

### Opening Session

**Welcome Speech**

Wim Schreuders, Inspector General
Food and Consumer Products Safety Authority, The Netherlands

**Introduction to IAFP and Symposium**

David Tharp, Executive Director
International Association for Food Protection, United States

**Global Burden of Foodborne Disease**

Arie Havelaar, Deputy Head of the Laboratory for Zoonoses and Environmental Microbiology
National Institute for Public Health and the Environment (RIVM), The Netherlands

Chairs: Stefano Colombo & Lee-Ann Jaykus

### 10.30-11.00 Coffee Break

### Plenary Session

**The Effect of Climate Change on Microbial Ecology and Food Safety**

Lee-Ann Jaykus, Professor-Food Science and President, IAFP
North Carolina State University, United States

**Sustainable Livestock, Human Health and Antimicrobial Resistance**

Joost de Jong
Food and Consumer Product Safety Authority
The Netherlands

Chair: Stefano Colombo

### 12.00-13.30 Networking Luncheon / Exhibits

### 13.30-15.00

<table>
<thead>
<tr>
<th>Schouwburg Room</th>
<th>Calluna Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Food Safety Management</strong></td>
<td><strong>Emerging Risks in Food,</strong></td>
</tr>
<tr>
<td><strong>Food Safety Management, a US Perspective</strong></td>
<td><strong>from Identification to Communication</strong></td>
</tr>
<tr>
<td>Robert Buchanan, United States</td>
<td>The Development of a Process for the Identification of Emerging Risks in the Food Chain</td>
</tr>
<tr>
<td><strong>Management Options for Safety of Fermentation Species by FBO</strong></td>
<td>Apollon: An Emerging Risk Detection Support System for Food and Feed Safety</td>
</tr>
<tr>
<td>François Bourdichon, France</td>
<td>Hubert Noteborn, The Netherlands</td>
</tr>
<tr>
<td><strong>Food Safety Objectives Validation</strong></td>
<td>Understanding Emerging Issues - An Industry Perspective</td>
</tr>
<tr>
<td>Marcel Zwietering, The Netherlands</td>
<td>Rachel Ward, United Kingdom</td>
</tr>
</tbody>
</table>

Chairs: John Bassett & Marcel Zwietering

### 15.00-15.30 Coffee Break / Exhibits / Poster Presentations

<table>
<thead>
<tr>
<th>Schouwburg Room</th>
<th>Calluna Room</th>
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</thead>
<tbody>
<tr>
<td><strong>Review of Outbreaks</strong></td>
<td><strong>Topical Microbiological Issues</strong></td>
</tr>
<tr>
<td><strong>Difficulties in Outbreak Control: Duck Eggs and Salmonella</strong></td>
<td><strong>Persistence and Survival of Pathogens in Dry Processing Environments</strong></td>
</tr>
<tr>
<td>Wayne Anderson, Ireland</td>
<td>Roy Betts, United Kingdom</td>
</tr>
<tr>
<td><strong>Multi-state Outbreak of Human E. coli O145 Infections Linked to Shredded Romaine Lettuce from a Single Processing Facility</strong></td>
<td><strong>Impact of Microbial Distributions on Food Safety</strong></td>
</tr>
<tr>
<td>Jack Guzewich, United States, to be presented by Robert Buchanan, United States</td>
<td>John Bassett, United Kingdom</td>
</tr>
<tr>
<td><strong>Salmonella bareilly Outbreak in the UK Associated with Bean Sprouts</strong></td>
<td><strong>Measuring the Safety of the Food Chain in Belgium: Development of a Food Safety Barometer</strong></td>
</tr>
<tr>
<td>Paul Cook, United Kingdom</td>
<td>Mieke Uyttendaele, Belgium</td>
</tr>
</tbody>
</table>

Chair: Michele Storrs

### 17.00-18.30 Exhibit Hall Reception
## Day 2 - Thursday, 19 May 2011

### 9.00-10.30

<table>
<thead>
<tr>
<th>Schouwburg Room</th>
<th>Calluna Room</th>
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<tbody>
<tr>
<td><strong>Foodborne Viruses</strong></td>
<td><strong>Potential of Nanotechnology for Food Applications</strong></td>
</tr>
<tr>
<td><strong>The Role of Viruses in Foodborne Human Disease</strong></td>
<td><strong>Nanotechnology: Potential for the Food Industry</strong></td>
</tr>
<tr>
<td>Marion Koopmans, The Netherlands</td>
<td>Frans Kampers, The Netherlands</td>
</tr>
<tr>
<td><strong>Norovirus from an Industry Viewpoint</strong></td>
<td><strong>Trends in Nanotechnology-based Diagnostics: An Overview</strong></td>
</tr>
<tr>
<td>Sophie Zuber, Switzerland</td>
<td>Pradip Patel, France</td>
</tr>
<tr>
<td><strong>The Challenges of Detecting Viruses in Food</strong></td>
<td><strong>Models of Regulation for Food Application of Nanotechnologies</strong></td>
</tr>
<tr>
<td>F. Loisy-Hamon, France</td>
<td>B.M.J. van der Meulen, The Netherlands</td>
</tr>
</tbody>
</table>

Chair: Mieke Uyttendaele  
Chairs: Pradip Patel & Stefano Colombo

#### 10.30-11.00 Coffee Break / Exhibits / Poster Presentations

#### 11.00-12:30

**Antibiotic Resistance in the Food Chain**

<table>
<thead>
<tr>
<th>11.00</th>
<th>Veterinary and Zoonotic Aspects Concerning Extended-spectrum Beta-lactamases (ESBL) in Poultry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Anders Miki Bojesen, Denmark</td>
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<td></td>
<td>Robert Salter, United States</td>
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<td></td>
<td>Annet Velthuis, The Netherlands</td>
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<td></td>
<td>Akintayo Adisa, United Kingdom</td>
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<td></td>
<td>Esther van Asselt, The Netherlands</td>
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<td></td>
<td>Bob Westoff, United States</td>
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<td></td>
<td>Eelco Franz, The Netherlands</td>
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<tr>
<td>11.30</td>
<td>Probiotics and Antibiotic Resistance</td>
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<td></td>
<td>Atte von Wright, Finland</td>
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<tr>
<td>12.00</td>
<td>Altered Tolerance to Biocides: Links to Antibiotic Resistance?</td>
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<td></td>
<td>Shea Fanning, Ireland</td>
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</tbody>
</table>

Chair: Christine Rozand

### 12.30-14.00 Networking Luncheon / Exhibits

#### 14.00-15.30

**Risk Assessment**

<table>
<thead>
<tr>
<th>14.00</th>
<th>A Swift QMRA Microbiological Risk Assessment (SQMRA) Tool</th>
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<tbody>
<tr>
<td></td>
<td>Eric Evers, The Netherlands</td>
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<td></td>
<td>Dagmar Schoder, Austria</td>
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<td></td>
<td>Nicoletta Belletti, Spain</td>
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<td></td>
<td>Ine V. Feijs-Klex, The Netherlands</td>
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<td></td>
<td>Louis Coroller, France</td>
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<td></td>
<td>Robert Salter, USA</td>
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<td>14.30</td>
<td>FAO/WHO Web-based Decision Support Tool to Assess the Performance of Microbiological Sampling Plans</td>
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<td></td>
<td>Kazuko Fukushima, Switzerland</td>
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<tr>
<td>15.00</td>
<td>An Integral Model for Safety, Quality and Logistic Performance for Leafy Vegetables</td>
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<td></td>
<td>Eelco Franz, The Netherlands</td>
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</tbody>
</table>

Chair: Paul in’t Veld

### 16.00-17.30

**Food Safety Initiatives**

<table>
<thead>
<tr>
<th>16.00</th>
<th>FP7 EU Vegi-trade: Selection of Case Studies Based on the Vulnerability of Fresh Produce to Food Safety Hazards and Climate Change in a Globalized World</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Liesbeth Jacksens, Belgium</td>
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<tr>
<td></td>
<td>Lee-Ann Jaykus, United States</td>
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<tr>
<td>16.30</td>
<td>ACROPOLIS Project: Cumulative Risk of Pesticides</td>
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<td></td>
<td>Jacob van Klaveren, The Netherlands</td>
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<td>17.00</td>
<td>STEC - United States Update</td>
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<td></td>
<td>To Be Determined</td>
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</tbody>
</table>

Chair: Seamus Fanning

### 18.00-20.30 Conference Dinner
Day 3 - Friday, 20 May 2011

08.00-12.00 Registration Open

09.00-10.30 Young Scientists Technical Session
(see Tech Session handout for detailed information)
Orla Condell, Ireland
Peter Rossmanith, Austria
Irene Rückerl, Austria
Noémie Desriac, Belgium
Inge Van der Linden, Belgium
Melanie De Vocht, Belgium
Chair: Christina Harzman

10.30-11.00 Coffee Break / Exhibits / Poster Presentations

11.00-13.00 Closing Session

11.00 Global Foodborne Infections Network (GFN)
Danilo Lo-Fo-Wong, Switzerland

11.45 Food Quality and Safety from a Food Industry Perspective
Rian van der Doelen and David Bean, The Netherlands

12.30 Wrap-up of Symposium
Poster and Technical Awards
Chairs: Stefano Colombo & Lee-Ann Jaykus

13.00-14.00 Farewell Refreshments/Exhibits

POSTER SESSIONS AND HOURS

Two poster sessions will take place on the following schedule:

Poster Session 1 – Posters will be on display from 12.00 Wednesday, 18 May through 11.00 Thursday, 19 May. Authors will be present during the coffee breaks Wednesday afternoon and Thursday morning.

Poster Session 2 – Posters will be on display from 12.00 Thursday, 19 May through 11.00 Friday, 20 May. Authors will be present during the coffee breaks Thursday afternoon and Friday morning.

Thursday Evening Event

Join your colleagues for dinner and entertainment at the IAFP Evening Event!
Thursday, 19 May 2011
18.00-20.30
ReeHorst Hotel

Attendees will be welcomed with a glass of Prosecco by the ReeHorst Bonbonnière (a lady in costume). After that, drinks will be served, followed by dinner. Enjoy the ReeHorst’s resident pianist, Irene Hartkamp in the restaurant Valentino. Have your portrait drawn by caricaturist Thijs in the Brasserie.