PART 1 OUTBREAK INVESTIGATIONS

Tracing an outbreak of listeriosis in Austria: what an investigative microbiologist needs to consider  
D Schoder, Institute of Milk Hygiene and Food Science, M Wagner, Austrian Agency for Health and Food Safety, and F Allerberger, Christian-Doppler Laboratory for Molecular Food Analytics, Austria

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A point-source outbreak of Salmonella in an ethnic community in the UK  
A G Stewart, R Vivancos and A Keenan, Cheshire & Merseyside Health Protection Unit and C Theodore, Liverpool City Council, UK

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Investigating the source of a food poisoning incident in Cheshire, UK  
A G Stewart and S Ghebrehewet, Cheshire & Merseyside Health Protection Unit, UK

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Investigating a large outbreak of salmonellosis in the US involving fresh produce  
M A Smith, Center for Food Safety and Allied Nutrition, USA, and J Hoorfar, Technical University of Denmark, Denmark

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What was the source of the 2011 outbreak of Escherichia coli in Germany and France?  
L D Goodridge, Colorado State University, USA, J T LeJeune, The Ohio State University, USA and L Beutin, Bundesinstitut für Risikobewertung (BfR), Germany

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Tracing the source of a community-wide gastroenteric outbreak caused by Campylobacter in Finland

M-L Hänninen, Helsinki University and A Hörman, The Finnish Defense Forces, Finland
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- Conclusions of the outbreak and attempts to identify its source
- Commentary: how can safety be improved and what constitutes an outbreak?
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One pathogen but two different types of food borne outbreak; Bacillus cereus in catering facilities in Germany

M Ehling-Schulz, University of Veterinary Medicine Vienna, Austria and U Messelhäusser, Bavarian Health and Food Safety Authority, Germany
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Investigating a suspected case of mycotoxin poisoning in South Africa

M F Dutton, University of KwaZulu Natal, South Africa
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Investigations of foodborne outbreaks caused by a parasite in Canada

B Dixon, Health Canada, L Landry, Public Health Agency of Canada and F Milord, Direction de la Santé Publique de la Montérégie, Canada
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PART 2 SOURCE TRACING

Troubleshooting the environmental source of contamination with Listeria monocytogenes in a typical small food manufacturing plant in Ireland

K N Jordan, K Hunt and E M Fox, Teagasc Food Research Centre, Ireland
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Tracing the source of persistent contamination of ready-to-eat chicken products with Listeria monocytogenes in Italy
V Biguzzi (retired), G Pezzotti, Istituto Zooprofilattico Sperimentale dell’Umbria e le Marche, M V Gianfranceschi and D De Medici, Istituto Superiore di Sanità, Italy
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An unforeseen source of aflatoxins in milk in Sweden
E Nordkvist, National Veterinary Institute, Sweden
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Investigations prompted by the discovery of high levels of Salmonella in fresh herbs in the UK
N C Elviss and F Jørgensen, Health Protection Agency (HPA), UK
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Source tracing in Thailand following contamination of Canadian dog chew toys with Salmonella
S D Pillai, Texas A&M University, USA
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Analysing tap-water from households of patients with inflammatory bowel disease in Norway
K Rudi, Hedmark University College and The Norwegian University for Life Sciences, P Ricanek, Akershus University Hospital, T Tannæs, S Brackmann and M H Vatn, University of Oslo and G Perminow, Oslo University Hospital, Norway
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PART 3 CRISIS MANAGEMENT

A proactive attempt to control an outbreak of foodborne disease in humans after detection of Salmonella during surveillance and control of pork in Denmark
A Wingstrand, National Food Institute, Technical University of Denmark, T Jensen, Danish Veterinary and Food Administration, Copenhagen, Denmark, G Sørensen, National Food Institute, Technical University of Denmark, S Gubbels, Statens Serum Institut, Copenhagen, Denmark and European Centre for Disease Prevention and Control, Stockholm, Sweden, L J Porsbo, National Food Institute, Technical University of Denmark, S Ethelberg, Statens Serum Institut, Copenhagen, Denmark, G O Bjerager, Danish Veterinary and Food Administration, M K Kjeldsen, Statens Serum Institut, Copenhagen, Denmark, M Torpdahl, Statens Serum Institut, Copenhagen, Denmark, K G Kuhn, Statens Serum Institut, Copenhagen, Denmark

Managing and learning from an anthrax outbreak in a Swedish beef cattle herd
R Knutsson, J Ågren, V Båverud, M Elvander, E Olsson Engvall, National Veterinary Institute (SVA), K Eliasson, National Board of Agriculture (SJV), and S Sternberg Lewerin, Swedish University of Agricultural Sciences (SLU), Sweden

Mounting an effective response to an outbreak of viral disease involving street food vendors in Indonesia
D Orlando, Dennis, M Suci Hardianti, and F M C Sigit Setyabudi, Universitas Gadjah Mada, Indonesia

Handling of the media during an incident in Romania involving dioxin contamination of yoghurts
A I Nicolau, University Dunarea de Jos, Romania
PART 4 FARM-LEVEL INTERVENTIONS

Is it possible to reduce foodborne Campylobacter infections in humans through vaccination of animals?
J Hoorfar, Technical University of Denmark, Denmark
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- Why vaccinate poultry and not humans?
- What vaccination strategy to use?
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The free-range meat paradox: the conflict between free-range poultry production systems and biocontainment of zoonotic disease
L S Christensen, Islands Organic Ltd, Denmark
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How does Sweden control Salmonella before it enters the food chain?
P Häggblom, National Veterinary Institute, Sweden
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Bovine spongiform encephalitis: the case of an unexpected and rapidly spreading epidemic in cattle with serious consequences
N Skovgaard, University of Copenhagen, Denmark
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- Background to the case: the nature of BSE and vCJD
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The continuing debate over increasing consumption of raw ( unpasteurised) milk: is it safe?
K N Jordan and K Hunt, Teagasc Food Research Centre, Ireland and J Hoorfar, Technical University of Denmark, Denmark
PART 5 SAFE FOOD PRODUCTION

Challenges in food safety certification of a small enterprise producing a specialty product in Cyprus
E H Drosinos, S Charalambidou and P N Skandamis, Agricultural University of Athens, Greece

The dilemma of regulatory testing of dairy foods in Australia: minimizing risk to the public while avoiding unnecessary regulatory burden
D W Eddy and I N Haynes, Dairy Food Safety Victoria, Australia

Learning from outbreaks of Escherichia coli O:H caused by low pH foods
P Feng, Food and Drug Administration (FDA), USA

Hygiene control in the dry food products industry: the roles of cleaning methods and hygienic indicators
J L Kornacki, Kornacki Microbiology Solutions, Inc, USA

Boosting exports of fresh meat by using faster laboratory methods in Denmark
C Löfström and M H Josefsen, Technical University of Denmark, F Hansen, Danish Technological Institute, and J Hoorfar, Technical University of Denmark, Denmark
Using predictive microbiology to benefit the Australian meat industry
J Sumner, M & S Food Consultants, I Jenson, Meat and Livestock Australia, and T Ross, University of Tasmania, Australia
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PART 6 FOOD ADULTERATION AND AUTHENTICITY

Forensic investigation of a sabotage incident in a factory manufacturing nut-free ready meals in the UK
M J Walker, LGC Ltd, UK
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Lessons from the large-scale incident of animal feed contamination with dioxins in Germany in 2011
J Zentek, F Knorr and A Mader, Freie Universität Berlin and H Schafft, Federal Institute for Risk Assessment, Germany
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Investigating the adulteration of UHT milk in Brazil
C F Cardoso, A G Cruz, and A F Faria, Cidade Universitária “Zeferino Vaz”, and U M Pinto, Universidade Federal de Ouro Preto, Brazil
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Food adulteration with melamine on an international scale: field work and troubleshooting in Africa
D Schoder, Veterinarians Without Borders Austria and University of Veterinary Medicine Vienna, Austria
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Investigating cases of taste disturbance caused by pine nuts in Denmark
N Z Ballin, Danish Veterinary and Food Administration, Denmark
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Development and application of molecular tools to investigate the mislabelling of cod sold in Sweden
E E Nielsen, J Hemmer-Hansen and D Bekkevold, Technical University of Denmark, Denmark
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Testing for genetically modified organisms (GMOs) revealed the real source of rice imported to Norway
A Holst-Jensen, A R Ali, L Emmanuelsen, T M Grønbeck, S B Harbo, C Skjæret, and B Spilsberg, Norwegian Veterinary Institute, Norway and H-U Waiblinger, State Institute of Chemical and Veterinary Analysis of Food Freiburg, Germany
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Documenting the ‘terroir’ aspects of award-winning Danish conserves: a model for the development of authentic food products
L S Christensen and J Hoorfar, Technical University of Denmark, J Sørensen Øhavet Aps, and S Bisgaard, Danish Veterinary and Food Administration, Denmark
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