

Day 1, Monday 15 October 2018

07:30-09:00	Registration
	Session 1 poster placement: Food Safety
09:10-10:20	Opening Session
09:10-09:20	Opening Chair of the Conference Prof Lise Korsten
09:20-09:50	Opening Address Prof Stephanie Burton Vice-Principal responsible for research, postgraduate education, and international partnerships at the University of Pretoria.
09:50-10:20	Keynote Address Dr John Purchase, Agbiz
10:20-10:50	Refreshments in Exhibition Hall (Asteria)
10:50-12:05	Plenary Session 1 Dorian Room Chair of session: Lise Korsten
10:50-11:20	GenomeTrakr database and network: WGS network for real-time characterization and source tracking of foodborne pathogens. Marc Allard, US Food and Drug Administration
11:20-11:50	<i>Listeria monocytogenes</i> , biology, genomics, population structure and epidemiology Yi Chen, US Food and Drug Administration
11:50-12:05	Session Closing Remarks
12:15-13:00	Lunch in Exhibition Hall (Asteria)

13:00-14:40	<p>Session 1</p> <p>Venue: Acropolis 1</p> <p>Theme 1: Current and emerging foodborne pathogens</p> <p>Subtheme: <i>Listeria monocytogenes</i></p> <p>Chair of session: Marc Allard</p>
13:00-13:20	<p>Whole-genome Sequencing Analyses to Investigate a Nationwide Outbreak of Listeriosis Caused by Ready-to-Eat Processed Meat Products, South Africa, 2017-2018</p> <p>Mushal Allam, National Institute of Communicable Diseases</p>
13:20-13:40	<p><i>Listeria monocytogenes</i>: factors contributing to its survival in processing environments</p> <p>Pieter Gouws, Stellenbosch University</p>
13:40-13:55	<p>Whole genome sequence and growth analyses suggest <i>Listeria monocytogenes</i> persistence in food-associated environments is not determined by strain-specific phenotypes</p> <p>Matthew Stasiewicz, University of Illinois</p>
13:55-14:10	<p>Independent surveillance of <i>Listeria monocytogenes</i> in Ready-To-Eat meat polony, prior and during the 2017-2018 South African outbreak of listeriosis</p> <p>Lise Korsten and German Villamizar-Rodríguez, University of Pretoria</p>
14:10-14:25	<p><i>Lactobacillus casei</i> expressing internalin AB genes of <i>Listeria monocytogenes</i> protects Caco-2 cells from listeriosis associated damages under simulated intestinal conditions</p> <p>Mapitsi Thantsha, University of Pretoria</p>
14:25-14:40	<p>Questions and Discussion</p>

13:00-14:40	Session 2 Venue: Acropolis 4 Theme 4: Pesticides and mycotoxins: a food safety challenge Subtheme: Pesticides Chair of session: Oluwafemi Adebo
13:00-13:20	Impact of endocrine disruptors on the food chain Christiaan de Jager, University of Pretoria
13:20-13:40	Registration process and requirements of agricultural remedies/ pesticides in South Africa Thilivhali Nephumbada, Department of Agriculture, Forestry and Fisheries
13:40-13:55	Regulatory model for monitoring pesticide residue levels of fresh produce in South Africa Mbulaheni Mutengwe, Department of Agriculture, Forestry and Fisheries
13:55-14:10	Reports of adulteration of formalin and pesticides in food fish on the Malawian Markets: a quest for intensified collaboration of market monitoring Mexford Mulumpwa, Monkey bay Fisheries Research Unit
14:10-14:25	Acaricide resistance to ticks and chemical residues in food products of animal origin: A review Nkululeko Nyangiwe, Eastern Cape Rural Development and Agrarian Reform
14:25-14:40	Questions and Discussion

14:40-16:10	<p>Session 3</p> <p>Venue: Acropolis 1</p> <p>Theme 2: Zoonosis and biosecurity risks through transboundary movement of pathogens</p> <p>Subtheme: Transboundary biosecurity</p> <p>Chair of session: Thobela Nkukwana</p>
14:40-15:00	<p>Impact of transboundary zoonoses on food safety and security in Africa</p> <p>Alison Lubisi, Agricultural Research Council</p>
15:00-15:20	<p>Authorities involved in Export of animal containing products from South Africa. A summary of rolls and responsibilities</p> <p>Vincent Henwood, Department of Agriculture, Western Cape</p>
15:20-15:35	<p>Lowland grazing and Virus Disease outbreak in Kween district, Marburg, Uganda</p> <p>Siya Aggrey, Makerere University</p>
15:35-15:50	<p>The prevalence of subclinical mastitis causing agents by multiplex in Harrismith, Free-state</p> <p>Ntelekwane Khasapane, Central University of Technology</p>
15:50-16:05	<p>Prevalence of antibiotic resistance determinant of <i>Salmonella</i> isolates obtained from meat in the Eastern Cape Province, South Africa</p> <p>Ishmael Jaja, University of Fort Hare</p>
16:05-16:20	<p>Questions and Discussion</p>
16:20-16:40	<p>Refreshments in Exhibition Hall (Asteria)</p>

14:40- 16:10	<p>Session 4</p> <p>Venue: Acropolis 4</p> <p>Theme 5: Risk assessment, -management and -communication</p> <p>Subtheme: Social economic aspects of food safety</p> <p>Chair of session: Palesa Sekhejane</p>
14:40- 15:00	<p>“Attainment of Global Food Safety Standards in South Africa, A Tall Mountain To Climb – A Family Physician’s Perspective”</p> <p>Fundile Nyathi, Proactive Health Solutions</p>
15:00- 15:20	<p>Food Safety Culture and Economics: A Fairly Odd Couple</p> <p>Ryk Lues, Central University of Technology</p>
15:20- 15:35	<p>Dietary fibre intake and metabolic syndrome risk factors among young South African adults</p> <p>Derrick Sekgala, Human Science Research Council</p>
15:35- 15:50	<p>Socioeconomic inequalities in child health: Food insecurity and malnutrition Zimbabwe</p> <p>Akim Lukwa, University of Cape Town</p>
15:50- 16:05	<p>Eating outside home: Children living in urban peripheral townships in Cape Town at risk of unhealthy food</p> <p>Michael Belebema, University of the Western Cape</p>
16:05- 16:20	<p>Questions and Discussion</p>
16:20- 16:40	<p>Refreshments in Exhibition Hall (Asteria)</p>

16:40-18:20	<p>Session 5</p> <p>Venue: Acropolis 1</p> <p>Theme 3: Antimicrobial Resistance in the agroecosystem</p> <p>Subtheme: Antimicrobial Resistance in the Plant Agroecosystem</p> <p>Chair of session: Eric Etter</p>
16:40-17:00	<p>Modelling risks of antimicrobial resistance from food production</p> <p>Dov Stekel, <i>The University of Nottingham</i></p>
17:00-17:20	<p>Antimicrobial resistance in fruits and vegetables: piecing the puzzle</p> <p>Shirley Micallef, <i>University of Maryland</i></p>
17:20-17:35	<p>Multidrug resistant extended-spectrum and AmpC β-lactamase producing Enterobacteriaceae in agroecosystems and fresh vegetable supply chains: an emerging health threat in South Africa?</p> <p>Erika Du Plessis, <i>University of Pretoria</i></p>
17:35-17:50	<p>Misuse of antibiotics and antimicrobial resistance in the environment: Implications for human exposure</p> <p>Ovokeroye A. Abafe, <i>Agricultural Research Council</i></p>
17:50-18:05	<p>Questions and Discussion</p>
19:00	<p>Welcome Function in Exhibition Hall (Asteria)</p>

16:40-18:20	<p>Session 6 Venue: Acropolis 4 Theme 6: Consumer and food safety and security assurance Subtheme: Consumer Preferences, Perception and Policy Chair of session: Gerrie Du Rand</p>
16:40-17:00	<p>Harmonization and application of SPS regulations and standards to facilitate trade and ensuring consumer health protection: Challenges and perspectives in the developing world Benoit Gnonlonfin, <i>Economic Community of West African States</i></p>
17:00-17:20	<p>Food Safety, Consumer Perceptions and Policies relating to Food Safety Gabriel Adegoke, <i>University of Ibadan</i></p>
17:20-17:35	<p>Consumers' preference and willingness to pay for graded beef in Polokwane municipality, South Africa Florah Makweya, <i>University of Limpopo</i></p>
17:35-17:50	<p>Perceptions of medicinal plants safety: A review Siza Mthi, <i>Dohne Agricultural Development Institute</i></p>
17:50-18:05	<p>Consumer preferences for indigenous foods: A focus on indigenous chicken meat in Zimbabwe Joseph Manzvera, <i>University of Zimbabwe</i></p>
18:05-18:20	<p>Questions and Discussion</p>
19:00	<p>Welcome Function in Exhibition Hall (Asteria)</p>

Day 2, Tuesday 16 October 2018

07:30-08:30	Poster session 1: Food Safety
08:30-10:15	Plenary Session 2 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
08:30-09:00	Food safety through the lens of microbial ecology Shirley Micallef, University of Maryland
09:00-09:15	Session Closing Remarks
09:15-10:40	Session 7 Venue: Acropolis 1 Theme 6: Consumer and food safety and security assurance Subtheme: Food Security Chair of session: Lerato Matsaunyane
09:15-09:35	The moral dilemma of safe food vs food security Francois Stepman, Platform for African – European Partnership in Agricultural Research for Development
09:35-09:55	Food Law and Regulations: the food safety measures to mitigate food fraud vulnerability Mmathaha Mosala, Agricultural Research Council
09:55-10:10	Effects of some preservation treatments on indigenous vegetables used by the Basotho People of Southern Africa Tholoana Ntho, Central University of Technology
10:10-10:25	Exploration of factors affecting technical efficiency of maize smallholder irrigators in the Eastern Cape Province of South Africa Lelethu Mdoda, University of Fort Hare
10:25-10:40	Questions and Discussion
10:55-11:25	Refreshments in Exhibition Hall (Asteria)

09:15-10:40	<p>Session 8 Venue: Dorian Water Research Commission Dialogue on water, food, nutrition and safety Session: Water, Food and Nutrition Facilitator: Sylvester Mpandeli</p>	
09:15-09:30	<p>Opening remarks Dhesigen Naidoo <i>Water Research Commission</i></p>	
09:30-10:00	<p>Water, Food and Nutrition Tafadzwanashe Mabhaudhi, <i>University of KwaZulu Natal</i></p>	
10:00-10:30	<p>About water, produce and small scale farmers in KwaZulu-Natal - a microbiological perspective Stefan Schmidt, <i>University of KwaZulu Natal</i></p>	
10:30-11:00	<p>Water quality for animal agriculture: A 30-year quest Norman Casey, <i>University of Pretoria</i></p>	
11:00-11:25	<p>Refreshments in Exhibition Hall (Asteria)</p>	
11:25-13:00	<p>Session 10 Venue: Dorian Water Research Commission Dialogue on water, food, nutrition and safety Session: Water, Food and Nutrition Facilitator: Sylvester Mpandeli</p>	
11:25-11:50	<p>The link between water quality and microbiological safety of fruit and vegetables from farming to retail Lise Korsten, <i>University of Pretoria</i></p>	
11:50-12:10	<p>Rain water harvesting: water quality challenges among rural households Lizyben Chidamba, <i>University of Pretoria</i></p>	
12:10-12:30	<p>How safe do you think your salad is versus the reality... Erika Du Plessis, <i>University of Pretoria</i></p>	
12:30-13:00	<p>Food safety challenges in producing healthy food: Variation in <i>Escherichia coli</i> strain resistance to various irrigation water treatment options Gunnar Sigge, <i>Stellenbosch University</i></p>	
13:00-13:15	<p>Closure Sylvester Mpandeli, Water Research Council</p>	
13:15-13:45	<p>Lunch in Exhibition Hall (Asteria)</p>	

11:25-13:00	<p>Session 9 Venue: Acropolis 1 Theme 6: Consumer and food safety and security assurance Subtheme: Agri and food processing technologies Chair of session: Mmathaha Mosala</p>
11:25-11:45	<p>NMISA Reference Material Programme and Method Alignment collaboration with AOAC Sub-Saharan Africa Section Jayne De Vos, NMISA</p>
11:45-12:00	<p>Post-harvest application of medicinal plant extracts for controlling stored maize grains pathogens Alfred Seepe, Agricultural Research Council</p>
12:00-12:15	<p>The optimal seed germination temperatures for amylase activity in finger millet malt Mary Amos-Awoniye, University of Zululand</p>
12:15-12:30	<p>Prevalence and risk assessment of <i>Cronobacter sakazakii</i> in low moisture foods in Mauritius Hudaa Neetoo, University of Mauritius</p>
12:30-13:00	<p>Questions and Discussion</p>
13:00-13:45	<p>Lunch in Exhibition Hall (Asteria)</p>

<p>11:25- 13:00</p>	<p>Session 11 (SPONSORED BY SCIEX SEPARATIONS) Venue: Acropolis 4 Theme 4: Pesticides and mycotoxins: a food safety challenge Subtheme: Technologies addressing food safety challenges Chair of session: Patrick Njobeh</p>
<p>11:25- 11:45</p>	<p>Combining non-targeted SWATH® acquisition with highly selective MRMHR for the analysis of veterinary drugs in tissue using the SCIEX X500R QTOF system Ashley Sage, SCIEX</p>
<p>11:45- 12:00</p>	<p>Sensitive and specific allergen screening analysis using LC-MS/MS Volker Kruft, SCIEX</p>
<p>12:00- 12:15</p>	<p>Simultaneous quantitation of fat soluble vitamins in infant milk formulae by LC-MS/MS Ashley Sage, SCIEX</p>
<p>12:15- 12:30</p>	<p>The development of mass spectrometry methods to analyse cannabis for its potency, possible contaminants and abuse Volker Kruft, SCIEX</p>
<p>12:30- 13:00</p>	<p>Questions and Discussion</p>
<p>13:00- 13:45</p>	<p>Lunch in Exhibition Hall (Asteria)</p>

13:45-14:20	Plenary Session 3 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
13:45-14:05	Kap(ing) the South African Consumer Gerrie Du Rand , <i>University of Pretoria</i>
14:05-14:20	Session Closing Remarks

14:20-15:55	Session 12 Venue: Acropolis 1 Theme 3: Antimicrobial Resistance in the agroecosystem Subtheme: Antimicrobial resistance in livestock sector Chair of session: Erika Du Plessis
14:20-14:40	Antimicrobial resistance in livestock sector in South Africa: lessons learnt from the past towards informed and prudent use of antibiotics, the example of poultry and milk sector Eric Etter , <i>University of Pretoria</i>
14:40-15:00	Antibiotic resistance profiles of <i>Escherichia coli</i> , <i>Enterococcus faecalis</i> and <i>Staphylococcus aureus</i> originating from the meat and feces of game species Michaela van den Honert , <i>Stellenbosch University</i>
15:00-15:20	Replacement of antibiotics in livestock feeds with non-antibiotic phytogetic products may enhance food safety in human populations Ibukun Famuyide , <i>University of Pretoria</i>
15:20-15:40	Questions and Discussion
15:40-16:25	Refreshments in Exhibition Hall (Asteria)
16:25-17:30	Poster viewing and judging
18:00-21:00	African Braai (Laconia)

13:45-14:20	Plenary Session 3 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
13:45-14:05	Kap(ing) the South African Consumer Gerrie Du Rand , <i>University of Pretoria</i>
14:05-14:20	Session Closing Remarks

14:20-15:55	Session 13 Venue: Acropolis 4 Theme 5: Risk assessment, -management and -communication Subtheme: Risk management in food systems Chair of session: Palesa Sekhejane
14:20-14:40	Genetically modified crops and food safety Dave Berger , <i>University of Pretoria</i>
14:40-15:00	Food security in Madagascar : Facts and Perspectives in a context of technology transition Freddie Mahazoasy , <i>Madagascar National Assembly</i>
15:00-15:20	Mapping the Food System: Towards a Participatory Approach to Food Systems Governance in Masiphumelele Thandeka Mbambo , <i>University of Cape Town</i>
15:20-15:40	Groundnut aflatoxin exposure and the food safety policy environment – need for a systems approach Willeke De Bruin , <i>University of Pretoria</i>
15:40-15:55	Questions and Discussion
15:40-16:25	Refreshments in Exhibition Hall (Asteria)
16:25-17:30	Poster viewing and judging
18:00-21:00	African Braai (Laconia)

Day 3, Wednesday 17 October 2018

07:30-08:30	Poster session 2: Food Security
08:30-09:15	Plenary Session 4 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
08:30-09:00	The Global Plant Biosecurity - Food Security Challenge: Protecting Plant Systems to Keep People Healthy James Stack, Kansas State University
09:00-09:15	Session Closing Remarks
09:15-10:50	Session 14 Venue: Acropolis 1 Theme 1: Current and emerging microbial foodborne pathogens Subtheme: Current and emerging microbial foodborne pathogens and indicator systems Chair of session: Erika Du Plessis
09:15-09:35	Use of quantitative microbial risk assessment to estimate risk of infection by <i>Salmonella</i> and <i>Escherichia coli</i> O157:H7 due to the consumption of lettuces in Southern Brazil Eduardo Tondo, Federal University of Rio Grande do Sul
09:35-09:55	Microbiological quality and safety of coleslaw and related fresh vegetables sold at retailers in Gauteng, South Africa Stacey Duvenage, University of Pretoria
9:55-10:10	The evaluation of the microbiological safety of fresh produce in the informal market in the Cape Town metropolitan area, South Africa Anika Laubscher, Stellenbosch University
10:10-10:25	Microbiological quality and safety of fresh produce sold in informal street vending green grocers in Atteridgeville, South Africa Tintswalo Baloyi, University of Pretoria
10:25-10:40	Food safety assessment of fresh produce served and grown at schools in the Tshwane West District of the Gauteng Province, South Africa Thabang Msimango, University of Pretoria
10:40-10:55	Questions and Discussion
10:50-11:15	Refreshments in Exhibition Hall (Asteria)

Day 3, Wednesday 17 October 2018

07:30-08:30	Poster session 2: Food Security
08:30-09:15	Plenary Session 4 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
08:30-09:00	The Global Plant Biosecurity - Food Security Challenge: Protecting Plant Systems to Keep People Healthy James Stack, Kansas State University
09:00-09:15	Session Closing Remarks
09:15-10:50	Session 15 Venue: Acropolis 4 Theme 4: Pesticides and mycotoxins: a food safety challenge Subtheme: Mycotoxins Chair of session: Dharmarai Naicker
09:15-09:35	Distribution and control of mycotoxins in food and feed commodities: An update on research findings at the University of Johannesburg, South Africa Patrick Njobeh, University of Johannesburg
09:35-09:55	Aflatoxin human exposure in Africa and challenges in management and control strategies Sheila Okoth, University of Nairobi
9:55-10:10	Fumonisin Contamination as Food Safety Concern on Maize Grown in Rural Communities of the Eastern Cape Bongani Kubheka, Dohne Agricultural Development Institute
10:10-10:25	Aflatoxin contamination of grain in sub-Saharan Africa: Public health implication, application of novel postharvest technology in grain drying and the role of policy in adoption Francis Agbali, University of Kentucky
10:25-10:40	Multi-mycotoxin risk assessment among adult maize consumers living in rural subsistence farming areas in the Eastern Cape Province of South Africa Hester-Mari Burger, Cape Peninsula University of Technology
10:40-10:55	Questions and Discussion
10:55-11:15	Refreshments in Exhibition Hall (Asteria)

PROGRAMME

11:15-12:50	Session 16 Venue: Acropolis 1 Theme 1: Current and emerging foodborne pathogens Subtheme: Waterborne Pathogens Chair of session: Eduardo Tondo
11:15-11:35	Pathogenic <i>Escherichia coli</i> associated with food and irrigation water in South Africa Matthew Aijuka, University of Pretoria
11:35-11:55	Adhesion and competitive exclusion of probiotic bacteria against enteroaggregative <i>Escherichia coli</i> Wisdom Agbemavor, University of Pretoria
11:55-12:10	A review of toxic and non-toxic cyanobacteria species occurrence in water supplies destined for maize meal production process: A case study of Vhembe district Mulalo Mutoti, University of Venda
12:10-12:25	Investigating LP UV disinfection efficacy of selected Shiga-Toxin in <i>Escherichia coli</i> strains in water Elizabeth Sivhute, Stellenbosch University
12:25-12:40	Hepatitis A virus in wastewater discharge: a public health concern? Said Rachida, University of Pretoria
12:40-12:50	Questions and Discussion
12:50-13:35	Lunch in Exhibition Hall (Asteria)

<p>11:15-12:50</p>	<p>Session 17 Venue: Acropolis 4 Theme 6: Consumer and food safety and security assurance Subtheme: Knowledge and Practices Chair of session: Lerato Matsaunyane</p>
<p>11:15-11:35</p>	<p>The Participatory Guarantee System for Organic Produce: A model for a collegial food safety approach Naude Malan, University of Johannesburg</p>
<p>11:35-11:55</p>	<p>Integration of modern science and indigenous knowledge as an effective tool for food safety and security Stephan Amoo, Agricultural Research Council</p>
<p>11:55-12:10</p>	<p>Asymmetry in Food Safety Information - The Case of the Recent Listeriosis outbreak and Marginalised Consumers in South Africa Marlene Louw, University of Pretoria and Bureau for Food and Agricultural policy</p>
<p>12:10-12:25</p>	<p>Knowledge about safety of chicken meat and practices related to handling chicken meat by consumers in South Africa Wendy Katiyo, University of Pretoria</p>
<p>12:25-12:40</p>	<p>Food safety culture – time to think beyond our systems Linda Jackson, Food Focus</p>
<p>12:40-12:50</p>	<p>Questions and Discussion</p>
<p>12:50-13:35</p>	<p>Lunch in Exhibition Hall (Asteria)</p>

PROGRAMME

13:35-14:20	Plenary Session 5 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
13:35-14:05	Mycotoxins in food safety: future challenges and MycoKey actions Logrieco Antonio , <i>Research National Council</i>
14:05-14:20	Session Closing Remarks
14:20-15:45	Session 18 Venue: Acropolis 1 Theme 1: Current and emerging foodborne pathogens Subtheme: Microbiological food safety and the consumer Chair of session: Stacey Duvenage
14:20-14:35	Microbial profiling of street vended food contact surfaces and food handler hands in Maseru, Lesotho Ponts'o Letuka , <i>Central University of Technology</i>
14:35-14:50	Efficiency of detergents against microbial biofilm formation on hospital kitchen surfaces in Maseru Lesotho Salminah Maliehe , <i>Central University of Technology</i>
14:50-15:10	Questions and Discussion
15:10-16:30	Drinks and Poster viewing in Exhibition Hall (Asteria)
16:30-17:30	Establishment of a Food Safety Platform Discussion in Exhibition Hall (Asteria)
18:00	Gala Dinner (Salonica)

13:35-14:20	Plenary Session 5 <i>Plenary Venue: Dorian Room</i> Chair of session: Lise Korsten
13:35-14:05	Mycotoxins in food safety: future challenges and MycoKey actions Logrieco Antonio, Research National Council
14:05-14:20	Session Closing Remarks
14:20-15:30	Session 19 Venue: Acropolis 4 Theme 2: Zoonosis and biosecurity risks through transboundary movement of pathogens Subtheme: Animal product safety Chair of session: Alison Lubisi
14:20-14:35	Potential risks of live chicken markets on food safety and security: The SA perspective Thobela Nkukwana, University of Pretoria
14:35-14:50	Prevalence and characterisation of <i>Campylobacter</i> species from chickens sold in informal poultry markets in Gauteng, South Africa Matshie Phosa, University of Pretoria
14:50-15:10	Questions and Discussion
15:10-16:30	Drinks and Poster viewing in Exhibition Hall (Asteria)
16:30-17:30	Establishment of a Food Safety Platform Discussion in Exhibition Hall (Asteria)
18:00	Gala Dinner (Salonica)