

Conference on Antibiotic Stewardship and Conservation in Africa
20-23 October 2019
Senate Chamber¹, Westville Campus, University of KwaZulu-Natal, Durban South Africa

Programme Overview

Day	09H00-10H00	10H00-10H30	10H30-12H00	12H00-13H00	13H00-14H00	14H00-16H30	Time
Sun 20 Oct 2019			Registration <i>Senate Chamber</i>			Opening Plenary and Keynote Presentation: <i>Dr Mirfin Mpundu</i>	17H00-19H00 Welcome Reception <i>COMSA Lounge</i>
Mon 21 Oct 2019	Keynote Presentation: <i>Professor Ramanan Laxminarayan</i>	TEA <i>Senate Chamber</i>	Oral Presentations	Debate: Containing Antibiotic Resistance: Social Compacts vs. Regulation	LUNCH and POSTER VIEWING <i>COMSA Lounge</i>	Oral Presentations (14H00-16H00)	Evening at Leisure
Tues 22 Oct 2019	Keynote Presentation: <i>Professor Lenore Manderson</i>		Oral Presentations	Panel Discussion: Regional and Continental Initiatives		Oral Presentations (14H00-16H00)	19H00-21H00 Gala Dinner <i>COMSA Lounge</i>
Wed 23 Oct 2019	Panel Discussion: Antibiotic Resistance and One Health		Rotational Brainstorming: Mobilizing Political Will, Civil Society and the Private Sector	Closing Plenary			

¹ Registration and all academic sessions will be in the Senate Chamber
Poster presentations, lunches, the Welcome Reception and the Gala Dinner will be in the COMSA Lounge

Programme by Day

Day 1: Sunday, 20th October 2019

10H30-13H00 Registration

13H00-14H00 Lunch

14H00 **Welcome**

Session chair: *Professor Sabiha Essack*

- *Professor Deresh Ramjugernath, Deputy Vice Chancellor (Research), UKZN*
- *Ms. Signe Breivik, NORAD*
- *Dr Niresh Bhagwandin, Executive Manager: Strategic Research Initiatives, SAMRC*
- *Professor Janelisa Musaya, PI, University of Malawi*
- *Dr Tomas Zimba, PI, ISCISA*
- *Professor Arnfinn Sundsfjord, PI University of Tromso*

15H00 Antibiotic Stewardship and Conservancy in Africa

Professor Sabiha Essack, PI, UKZN

15H30 **Key Note Presentation 1**

AMR and UHC: Can We Achieve Both Agendas Simultaneously?

Dr Mirfin Mpundu, ReACT Africa

16H30 **Close of Day 1**

17H00-19H00 **Welcome Reception**

Programme Director: *Professor Sabiha Essack, UKZN*

17H00 Address: *Honorary Consul Ms Button, Royal Norwegian Embassy*

Address: *National Department of Health*

17H30-19H00 Entertainment and networking

Programme by Day

Day 2: Monday, 21st October 2019

09H00 Keynote Presentation 2

Session Chair: *Professor Janelisa Musaya*

State of the Worlds Antibiotics

Professor Ramanan Laxminarayan, Centre for Disease Dynamics, Economics & Policy

10H00 TEA

10H30-12H00 Oral Presentations: Antimicrobial Resistance in Gram-negative Bacteria

Session Chair: *Professor Arnfinn Sundsfjord*

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|-------------|---------------------|--|
| 10H30-10H40 | <i>Zimba, TF</i> | Faecal colonization of <i>E. coli</i> and <i>Klebsiella</i> spp. producing extended-spectrum β -lactamases and plasmid-mediated AmpC β -lactamases in Mozambican university students |
| 10H45-10H55 | <i>Estaleva, CL</i> | High prevalence of MDR ESBL-and plasmid mediated AmpC-producing clinical isolates of <i>Escherichia coli</i> at the Central Hospital of Maputo, Mozambique |
| 11H00-11H10 | <i>Pillay, S</i> | Antibiotic resistance, virulence and clonality of <i>Campylobacter</i> spp. from poultry |
| 11H15-11H25 | <i>Ramjathan, P</i> | Imipenem resistant <i>Pseudomonas aeruginosa</i> in King Edward VIII Hospital, Durban, South Africa |
| 11H30-11H40 | <i>Ramsamy, Y</i> | Molecular characterization of carbapenem resistant <i>Klebsiella pneumoniae</i> isolates collected from a central public hospital in Durban, South Africa between 2016 and 2017 |
| 11H45-11H55 | <i>Somboro, AM</i> | Tackling metallo- β -lactamase mediated antibiotic resistance through the use of zinc chelating agent as metallo- β -lactamase inhibitors |

12H00 Debate

Session Chair: *Professor Gunnar Skov Simonsen*

Containing Antibiotic Resistance: Social Compacts vs. Regulation

Professor Lenore Manderson and Professor Ramanan Laxminarayan

13H00 LUNCH and Poster Viewing

Day 2 continued: Monday, 21st October 2019

14H00-15H45 Oral Presentations: The Pharmaco-Epidemiology of Antibiotics

Session Chair: *Dr Tomas Zimba*

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| 14H00-14H10 | <i>Upham, G</i> | From Ebola to AMR: Engaging women in infection prevention and control |
| 14H15-14H25 | <i>Aboderin, AO</i> | Situation analysis on antibiotic prescription for in-patient care in Osun State, Nigeria |
| 14H30-14H40 | <i>Buthelezi, G</i> | An audit of bloodstream infections and antibiotic prescriptions in children admitted to King Edward VIII Hospital in 2016, Durban, South Africa |
| 14H45-14H55 | <i>Mabota, N</i> | Investigation of medicine supply to Maputo Central Hospital 2014-2015, Mozambique |
| 15H00-15H10 | <i>Matambo, E</i> | Antibiotic prescribing in treatment of non-severe paediatric community acquired pneumonia at an urban health centre in Southern Malawi |
| 15H15-15H25 | <i>Skosana, P</i> | A point prevalent survey of antimicrobial utilization across public healthcare sector facilities in South Africa |
| 15H30-15H45 | <i>Torres, NF</i> | Prevalence of non-prescribed antibiotics usage in low-and-middle-income countries: A systematic review and meta-analysis |

15H45 Close of Day 2

Evening at leisure

Programme by Day

Day 3: Tuesday, 22nd October 2019

09H00 Keynote Presentation 3

Session Chair: Dr Lyn Middleton

Vigilance, Resistance and Care: Understanding Antibiotic Use in Urban South Africa

Professor Lenore Manderson

10H00 TEA

10H30-12H00 Oral Presentations: Surveillance and Diagnostics of Antimicrobial Resistance

Session Chair: Dr Rajhab Mkakosya

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| 10H30-10H40 | <i>Asante, J</i> | Molecular characterization of methicillin-resistant <i>Staphylococcus aureus</i> isolates from a hospital in Ghana |
| 10H45-10H55 | <i>Amoako, DG</i> | Genomic analysis of methicillin-resistant <i>Staphylococcus aureus</i> isolated from poultry and occupational farm workers in uMgungundlovu district, South Africa |
| 11H00-11H10 | <i>Flach, VF</i> | Surveillance of sewage bacteria to predict the clinical antibiotic resistance situation in Sub-Saharan Africa |
| 11H15-11H25 | <i>Zimba, TF</i> | Antimicrobial susceptibility profiles of bacterial isolates from patients attending the Central Hospital of Maputo, Mozambique from 2010 to 2017 |
| 11H30-11H40 | <i>Baluka, SA</i> | <i>E. coli</i> , <i>Salmonella</i> spp. and <i>Campylobacter</i> spp. prevalence and antimicrobial resistance profiles in dairy farms in Mukono, Uganda |

12H00 Panel Discussion

Session Chair: Professor Lars Småbrekke

Regional and Continental AMR Initiatives

Dr Jay Varma (Africa CDC) and Dr Walter Fuller (WHO AFRO)

13H00 LUNCH and Poster Viewing

Day 3 continued: Tuesday, 22nd October 2019

14H00-15H45 Oral Presentations: Antibiotic Stewardship

Session Chair: *Ms. Sesaltina Nora Muzime*

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| 14H00-14H10 | <i>Engler, D</i> | Compliance to South Africa's national antimicrobial resistance strategy framework |
| 14H15-14H25 | <i>Lester, R</i> | Sustained reduction in third-generation cephalosporin usage following introduction of an antimicrobial stewardship programme in a large urban hospital in Malawi |
| 14H30-14H40 | <i>Mathibe L J</i> | Parents' influence on prescribing of antibiotics for upper respiratory tract infections in their children |
| 14H45-14H55 | <i>Sambakunsi, CS</i> | Knowledge, attitudes and practices (KAP) related to self-medication with antimicrobials in Lilongwe, Malawi |
| 15H00-15H10 | <i>Torres, NF</i> | Evidence of factors influencing self-medication with antibiotics in lower middle-income countries: A systematic scoping review |
| 15H15-15H25 | <i>van Hecke, O</i> | Point-of-care testing for common infections in South Africa: Primary care clinicians' perceptions on adoption |
| 15H30-15H45 | <i>Kasambara, W</i> | Feasibility studies of the WHO toolkit for antimicrobial stewardship programmes in hospitals in four low- and middle- income countries |

15:45 **Close of Day 3**

19H00 **Gala Dinner**

Director of Proceedings: *Professor Sabiha Essack*

Address: *National Department of Health*

19H45 **Entertainment and Dinner**

Programme by Day
Day 4: Wednesday 23rd October 2019

09H00

Panel Discussion

Session Chair: *Professor Fanuel Lampiao*

Antibiotic Resistance and One Health

- *Professor Gunnar Skov Simonsen, Human Health*
- *Professor Moritz van Vuuren, Animal Health*
- *Dr Nonhlanhla Kalebaila, Environmental Health*

10H00

TEA

11H00

Rotational Brainstorming

Facilitator: *Mr Vernon Solomon*

Mobilizing Political Will, Civil Society and the Private Sector in AMR Containment

Rapporteurs: *Professor Janelisa Musaya, Ms Neusa Torres and Dr Fanuel Lampiao*

12H00

Closing Plenary

Session Chair: *Professor Sabiha Essack*

Strengthening Health and Higher Education Systems in Africa

- *Education and Research Committee Perspectives*
- *Steering Committee Perspectives*
- *Ms Signe Breivik, NORAD*

13H00

End of Conference, Lunch and Departure