

THE 5TH INTERNATIONAL

ONE
HEALTH
PLATFORM

ne health CONGRESS

Canada
SASKATOON 22-25 June
2018



The 5th International One Health Congress is the world's premier conference for the worldwide One Health community. Join the congress organizers, Prof. Ab Osterhaus, Prof. John Mackenzie and Prof. Karen Chad and One Health advocates from all over the globe in Saskatoon for four days of lectures, debates, workshops and symposia.

www.onehealthcongress.com

WHY SHOULD YOU ATTEND?

✓ Keynote lectures by

- **PETER DOHERTY** - Nobel Prize Laureate - University of Melbourne, Australia
- **MICHAEL RYAN** - World Health Organization
- **THERESA TAM** - Public Health Agency of Canada
- **JASPINDER KOMAL** - Acting Chief Veterinary Officer of Canada
- **MARK FEINBERG** - International AIDS vaccine initiative
- **GIUSEPPE CORNAGLIA** - University of Verona, Italy
- **WILLIAM B. KARESH** - EcoHealth Alliance

✓ 28 DIFFERENT SESSIONS to choose from

✓ Keep track of the latest data and insights on

• One Health Science

- zoonoses
- climate change
- food and water safety

• Antimicrobial Resistance

• Science Policy Interface

✓ Separate plenary sessions on

- **CHRONIC WASTING DISEASE (CWD)**
- **NEGLECTED ZOO NOTIC DISEASES** in underserved communities
- The impact of **VACCINATION** on the reduction of **ANTIBIOTIC RESISTANCE**
- **EMERGING AND RE-EMERGING INFECTIOUS DISEASES:** assessment, preparedness and eradication
- **TUBERCULOSIS:** A One-health problem in underserved communities

✓ Unique opportunity to meet and discuss with the world's leading One Health experts

✓ Be inspired with new ideas and fresh perspectives and join us in helping to improve the health of humans, animals and the environment

✓ Seize your chance to discover the most amazing places of beautiful Saskatchewan

✓ Participation and lectures by

- United Nations Office for Disaster Risk Reduction (UNISDR)
- World Bank
- DTRA
- Global Facility for Disaster Risk Reduction and Recovery (GFDRR)
- World Health Organization
- Southern African Centre for Infectious Disease Surveillance (SACIDS)
- USAID
- Global Health Security Agenda
- African CDC
- Development Alternatives Inc (DAI)



Prof. Ab Osterhaus
One Health Platform



Prof. John Mackenzie
One Health Platform



Prof. Karen Chad
University of Saskatchewan



Pathogen discovery

CHAIR: LINFA WANG
DUKE-NUS MEDICAL SCHOOL, SINGAPORE
CO-CHAIR: PENG ZHOU
CHINESE ACADEMY OF SCIENCES

Surveillance and early detection

CHAIR: AB OSTERHAUS
RIZ HANNOVER, GERMANY
CO-CHAIR: NISTARA RANDHAWA
ONE HEALTH INSTITUTE UC DAVIS, USA

Diagnostics

CHAIR: MARTYN JEGGO
GEELONG CENTRE FOR EMERGING INFECTIOUS DISEASES, AUSTRALIA
CO-CHAIR: DANG XUAN SINH
CENTER FOR PUBLIC HEALTH AND ECOSYSTEM RESEARCH, HANOI, VIETNAM

Intervention strategies

CHAIR: SARAH CLEAVELAND
UNIVERSITY OF GLASGOW, UK
CO-CHAIR: RACHEL HOPPER
LIVERPOOL SCHOOL OF TROPICAL MEDICINE, UK

Social science and politics

CHAIR: JONATHAN RUSHTON
UNIVERSITY OF LIVERPOOL, UK
CO-CHAIR: MIEGHAN BRUCE
MURDOCH UNIVERSITY, AUSTRALIA

Pathogenesis 1

CHAIR: MARIETJIE VENTER
UNIVERSITY OF PRETORIA, SA
CO-CHAIR: FELICITY BURT
UNIVERSITY OF THE FREE STATE, SOUTH AFRICA

Recent global disease events, like the outbreaks of Ebola, MERS and Zika, have underpinned the increasing impact of zoonotic diseases on human and animal health.

It has also become clear that changes in the environment, like population

Pathogenesis 2

CHAIR: MALIK PEIRIS
UNIVERSITY OF HONGKONG
CO-CHAIR: WENDY KAREN JO LEI
RESEARCH CENTER FOR EMERGING INFECTIONS AND ZOOSES, HANNOVER, GERMANY

Drivers for emerging diseases 1

CHAIR: RITA COLWELL
JOHNS HOPKINS UNIVERSITY BLOOMBERG SCHOOL OF PUBLIC HEALTH, USA
CO-CHAIR: ANTAR JUTLA
WEST VIRGINIA UNIVERSITY, USA

Drivers for emerging diseases 2

CHAIR: PETER DASZAK
ECOHEALTH ALLIANCE

One Health in underprivileged communities

CHAIR: MARK RWEYEMAMU
THE SOUTHERN AFRICAN CENTRE FOR INFECTIOUS DISEASES AND SURVEILLANCE (SACIDS)

Vaccines 1

CHAIR: GEORGE GAO
CDC CHINA
CO-CHAIR: VOLKER GERDTS
UNIVERSITY OF SASKATCHEWAN, CANADA

Vaccines 2

CHAIR: LORNE BABIUK
UNIVERSITY OF ALBERTA, CANADA
CO-CHAIR: TERESIA MAINA
UNIVERSITY OF SASKATCHEWAN, CANADA

growth and climate change, are drivers for the emergence of such zoonoses. The 5th International One Health Congress will therefore carefully evaluate the most imminent potential hazards from various perspectives.

Infectious diseases from an ecohealth perspective 1

CHAIR: CRAIG STEPHEN
UNIVERSITY OF SASKATCHEWAN, CANADA
CO-CHAIR: PATRICK LEIGHTON
UNIVERSITY OF MONTREAL, CANADA

Infectious diseases from an ecohealth perspective 2

CHAIR: JONNA MAZET
UC DAVIS, USA
CO-CHAIR: JAMES BANGURA
UC DAVIS ONE HEALTH INSTITUTE, FREETOWN, SIERRA LEONE

Call for Late Breaker Abstracts

- ✓ Late breaker abstracts present data gathered after the regular abstract submission deadline has closed on 15 February 2018. Late breaker abstracts will be accepted to be presented orally or as posters at the congress if submitted online before 15 May 2018.
- ✓ Guidelines and the abstract submission tool are available at www.onehealthcongress.com.

AMR

ANTIMICROBIAL
AGENTS AND
RESISTANCE

Use of antibiotics in human and animals, in food and agriculture and the link to AMR and environmental impact

CHAIR: JORGEN SCHLUNDT

NANYANG TECHNOLOGICAL UNIVERSITY,
SINGAPORE

CO-CHAIR: JAAP WAGENAAR

UTRECHT UNIVERSITY, THE NETHERLANDS

Genomic epidemiology / evolution of AMR transmission

CHAIR: ROBERT SKOV

STATENS SERUM INSTITUT, DENMARK

CO-CHAIR: JESPER LARSEN

STATENS SERUM INSTITUT, DENMARK

Real life applications of whole genome sequencing

CHAIR: SURBHI MALHOTRA-KUMAR

UNIVERSITY OF ANTWERP, BELGIUM

In September 2016, the World Health Organization officially stated that “antimicrobial resistance is a global societal challenge and threat”.

Antimicrobial resistance had emerged as a health issue in the last decades, but only in the last couple of years has there been an understanding that we are facing a post-antibiotic era, in which common infections and minor injuries, which have been treatable for decades, can once again kill. Misuse and overuse in high levels of antibiotics in both human health and agriculture are at the basis of

the emergence of AMR. Whilst raising awareness of AMR is an important issue, new antibiotics urgently need to be developed. The organizers of the 5th International One Health Congress share WHO's concern and will investigate pathways to overcome the challenges posed upon us by AMR in a separate programme track. In seven sessions, world experts will elaborate on the use of antibiotics and the surge in antimicrobial resistance in food animals and humans, and scan the horizon for new antibiotics and antivirals.

Prevalence and surveillance of resistance

CHAIR: GERARD WRIGHT

M.G. DEGROOTE INSTITUTE FOR INFECTIOUS
DISEASE RESEARCH, CANADA

CO-CHAIR: GEORGINA COX

UNIVERSITY OF GUELPH, CANADA

Novel strategies for AMR interventions / preparedness

CHAIR: LAURA H. KAHN

PRINCETON UNIVERSITY, USA

CO-CHAIR: REEMA PERSAD-CLEM

UC BERKELEY, USA

Alternative approaches to tackling resistant infections

CHAIR: BRITTA LASSMAN

INTERNATIONAL SOCIETY FOR INFECTIOUS
DISEASES

CO-CHAIR: MOHAMED SIRDAR

UNIVERSITY OF PRETORIA, SOUTH AFRICA

Rapid diagnostics

CHAIR: RAFAEL CANTON

UNIVERSITY HOSPITAL OF MADRID, SPAIN

CO-CHAIR: MOON TAY YUE FENG

NANYANG TECHNOLOGICAL UNIVERSITY,
SINGAPORE

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The Science Policy Interface (SPI) reflects our strong belief in the need for a dialogue between the scientific and policy-making communities. Interaction and exchange are necessary to ensure the effective role of science in public policy making and to enhance the accessibility of scientific knowledge for policy makers. It is of utmost importance that international institutions and government agencies, NGO's and other organisations share their scientific and/or policy knowledge, practise and expertise in the One Health arena.

This programme track therefore aims to bring together science and policy, to share knowledge and expertise and to stir the debate about solutions in order to address major One Health issues.

The audience of the SPI programme generally does not have a scientific background. Presentation proposals for this track should therefore be tailored for a non-scientific audience. They are also expected to bridge science and policy and to be triggers for debate.

The impact of zoonotic diseases - why should One Health be of importance to policy makers? Lessons learnt from One Health crises

CHAIR: JOHN MACKENZIE
CURTIN UNIVERSITY, AUSTRALIA
CO-CHAIR: Casey Barton-Beravesh, CDC, USA

Addressing zoonotic diseases at the animal-human-ecosystem interface. What are the threats? How to be prepared?

CHAIR: AB OSTERHAUS
RIZ HANNOVER, GERMANY

The drivers of emerging zoonotic diseases

CHAIR: MOIRA MCKINNON
MEDICAL PRACTITIONER, CANBERRA, AUSTRALIA

Resistance to antibiotics and antivirals: challenges for policy makers and scientists

CHAIR: LAURA H. KAHN
PRINCETON UNIVERSITY, USA
CO-CHAIR: CHRISTIANNE BRUSCHKE
CHIEF VETERINARY OFFICER, THE NETHERLANDS

One Health and Global Health Security - disaster risk reduction

CHAIR: BILL KARESH
ECOHEALTH ALLIANCE

Making One Health operational: the barriers to change and glimmers of hope

CHAIR: ROBERT SALERNO
USAID

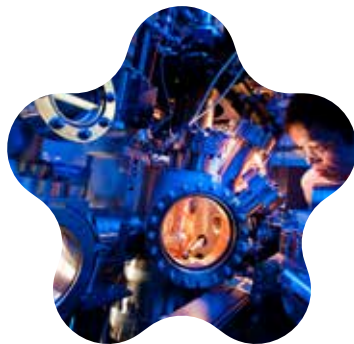
One Health in underserved, resource-poor and marginalized communities / funding needs and funding mechanisms / funding policies for One Health

CHAIR: MARIETJIE VENTER
UNIVERSITY OF PRETORIA, SA

DISCOVER CANADA

The city of Saskatoon is favourably positioned with the South Saskatchewan River winding through it. Eight bridges span its gentle flow, linking east to west. An active city, residents and visitors alike flock to the Meewasin Valley trails, traversing sixty kilometres of pathways in all seasons. The city's youthful vitality and cultural richness are evident in every neighbourhood, thanks in part to the University of Saskatchewan, where leading-edge technology such as the Canadian Light Source synchrotron draws the best minds from around the world.

The Farewell Dinner will specifically appeal to all art lovers attending the Congress, as it will be held in the **Remai Modern Museum** which has just opened its doors to the public in October 2017. This brand-new museum of modern and contemporary art offers a unique perspective on art and culture in the 21st century and houses the most comprehensive collection of linocuts by Pablo Picasso (1881-1973).





THE VENUE

TCU Place

35 22nd Street East
SK S7K 0C8
Saskatoon, Canada
tcuplace.com

Situated in beautiful downtown Saskatoon, TCU Place, Saskatoon's Arts & Convention Centre is considered one of the best conference facilities in western Canada.

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The 5th International One Health Congress
is a registered One Health Day event



Online registration via www.onehealthcongress.com

What is included in the registration rate?

- 1 Access to **ALL PROGRAMME TRACKS** and **SEPARATE PLENARY SESSIONS** during the 4 days of the Congress – starting at 12:00 am on 22 June 2018 and ending at 1:45pm on 25 June 2018
- 2 **WELCOME RECEPTION** on 22 June 2018: walking dinner buffet at the conference venue
- 3 **FAREWELL DINNER** on 24 June 2018, which will take place at the **REMAI MODERN**, the brand-new museum of modern and contemporary art that offers a unique perspective on art and culture in the 21st century
- 4 **COFFEE BREAKS** – Refreshments
- 5 **CONFERENCE LUNCHES**: healthy sandwich lunches with fresh vegetables on Saturday, Sunday and Monday
- 6 **SHUTTLE BUS TRANSFER** between the airport and the conference venue on the first day of the conference, 22 June, and the last day of the conference, 25 June, after the last session.

If you have any questions about the 5th International One Health Congress, please contact:

semiotics



CHRIS VANLANGENDONCK

*Co-founder One Health Platform Foundation
Director of Semiotics,
experts in science communication
Member of the IOHC 2018 Organizing Committee*

c.vanlangendonck@onehealthplatform.com