

Online Conference Program: Day 1

Saturday, January 27, 2018

Time (EST)	Topic	Speaker
7:00 – 7:15 am	Opening Ceremony – Introduction and Welcome from BSI	Dr. Eleanor Fish Toronto, Canada
Scientific Session 1: Global Health		
7:15 – 7:50 am	Keynote - Finding direction on the inflammation highway	Dr. Gerard Graham, University of Glasgow, Scotland
7:55 – 8:10 am	<i>Schistosoma mansoni</i> infection and socio-behavioral predictors of HIV risk in women from Entebbe, Uganda	Sergey Yegorov Toronto, Canada
8:15 – 8:30 am	Control of HIV infection <i>in vivo</i> using gene therapy with a secreted entry inhibitor	Dr. Jastaran Singh Toronto, Canada
8:35 – 8:50 am	CCR5 and CXCR4 coreceptor profile in resistant HIV exposed but seronegative individuals of Nigerian Origin	Dr. Eleanor Fish Toronto, Canada
8:55 – 9:10 am	Atg8-associated autophagy in <i>Leishmania</i> parasites govern its mitochondrial health, differentiation and infectivity	Sagnik Giri New Delhi, India
9:15 – 9:20 am	HotDoc: The potential of solar-powered water infrastructure in South Sudan	James Thuch Madhier Toronto, Canada
9:20-9:35 am	CCR5 and CXCR4 coreceptor profile in resistant HIV exposed but seronegative individuals of Nigerian origin	Ibeh Bartholomew Abuja, Nigeria
9:35 – 9:45 am	Break	
Scientific Session 2: Global Health		
9:45– 10:20 am	Keynote – People and parasites: learning to win	Dr. Faith Osier, KEMRI – Wellcome Trust, Kilifi, Kenya
10:25 – 10:40 am	Cigarette smoke extracts inhibits M2 macrophage polarization and inhibition of IRE-1/XBP-1 pathway exacerbates behaviour	Sohail Mahmood Hamilton, Canada
10:45–11:00 am	Measure once and cut twice: how CRISPR/Cas is revolutionizing biotechnology	Dr. Jason De Melo Toronto, Canada
11:05–11:20 am	Effect of dietary monosodium glutamate on the development of metabolic syndrome in Sprague Dawley rats	Prabjot Sehmi Nairobi, Kenya
11:25–11:40am	Modulation of <i>Bulkholderia cenocepacia</i> virulence in response to environmental factors of lung tissue in cystic fibrosis patients	Ivana Bogado Duque de Caxias, Brazil
11:45–12:00 pm	Assessment of mental health and psychosocial support needs of refugee students in Kakuma Refugee Camp	Ruth Anyango Nairobi, Kenya
12:05-12:20pm	Hot Doc: BSI Nairobi: Knowledge, attitude and practice of drugs and substance abuse among teenagers at Kabete Rehabilitation School	Esther Anyango Nairobi, Kenya
12:20-12:35 pm	Day 1 Closing Comments	

Online Conference Program: Day 2

Sunday, January 28, 2018

Time (EST)	Topic	Speaker
Scientific Session 3: Cancer		
7:00 – 7:35 am	Keynote – Cancer immunotherapy: a paradigm shift with much promise	Dr. Bruno Silva-Santos , Institute of Molecular Medicine, Lisbon, Portugal.
7:40 – 7:55 am	A role for adseverin in MCF-7 breast adenocarcinoma cell invasion	Jelena Tanic Toronto, Canada
8:00 – 8:15 am	Sestrin2 facilitates glutamine dependent survival and mitochondrial biogenesis in cancer cells under glucose limitation.	Ashish Kumar New Delhi, India
8:20 – 8:35 am	Anticancer mechanism of a soy phytoestrogen against breast cancer	Dr. Swarnendra Singh Gurugram, India
8:40 – 8:55 am	Polymorphisms and haplotype structures from transforming growth factor beta 1 gene (TGFB1) show subtype-specific associations with susceptibility and clinical presentation in women breast cancer	Glauco Vitiello Londrina, Brazil
9:00 – 9:15 am	HotDoc: BSI goes to Kakuma!	Ashwinder Bhamra Eldoret, Kenya
9:15 – 9:30 am	Break	
Scientific Session 4: Global Health		
9:30 – 10:05 am	Keynote – A small jab, a big effect: non-specific immunomodulation by vaccines	Dr. Christine Stabell Benn University of Southern Denmark, Denmark
10:10–10:25 am	The Immunological Genome Project	Alison Cook and Kumba Seddu Boston, USA
10:30– 10:45 am	Mapping the 3D enhancer architecture of T-regulatory cells	Dr. Ricardo Ramirez Boston, USA
10:50 – 11:05 am	Boolean network modeling of T cell development predicts heterogeneous single cell transcriptional trajectories	Matthew Langley Toronto, Canada
11:10 - 11:25 am	Effects of nutritional and dietary supplements on renal function among university bodybuilders in Ghana.	John Taylor Kumasi, Ghana
11:30-11:45am	Killing Filarial Nematode Parasites	Samuel Terkper Ahuno Kumasi, Ghana
11:45 – 12:00 pm	HotDoc: Life after female genital mutilation: A case report	Pavanraj Chana & Atiyya Tul Munim Eldoret, Kenya
12:00 pm	Closing Ceremony – Awards and Acknowledgements	

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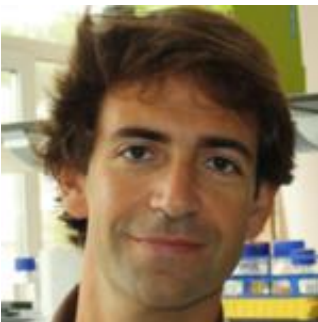
Keynote Speakers



Professor Gerry Graham BSc, PhD, FRSE, is Head of the Chemokine Research Group (www.chemokineresearchgroup.org) at the University of Glasgow and Deputy Head of the Institute of Infection, Immunity and Inflammation. He works in the field of chemokine biology and is responsible for many of the seminal discoveries in this area. His two major interests in chemokine research are: (i) his group is amongst the world leaders in the study of atypical chemokine receptors and their role in the regulation of chemokine function; (ii) he is using complex genomic approaches to understand the orchestration of the chemokine-driven inflammatory response. His research is supported by a Medical Research Council Programme Grant and by the Wellcome Trust, for which he is Chair of their Expert Review Group in the Immune system in Health & Disease. He received a Wolfson Royal Society Merit Award and was elected Fellow of the Royal Society of Edinburgh.



Faith Osier, MBChB, MSc, PhD, is a 2018 TED Fellow and holds a Sofja Kovalevskaja Award from the Humboldt Foundation. She is Vice-President and President-elect of the International Union of Immunological Societies. Her research is focused on understanding how humans acquire immunity to malaria, with the ultimate aim of translating this knowledge into effective malaria vaccines. She is the leader of SMART (South-South Malaria Antigen Research Partnership), a network of researchers that have shared resources to study antibody responses to the malaria parasite in multiple longitudinal cohorts in Africa. Her research group is spread over two continents, at the KEMRI-Wellcome Trust Research Programme in Kenya and at Heidelberg University Hospital in Germany. She is passionate about the training of African scientists to tackle the health issues the continent faces.



Bruno Silva-Santos, MSc, PhD, is Professor of Immunology and Vice-Director of the Institute of Molecular Medicine of the University of Lisbon, Portugal. He trained as an immunologist at Cancer Research UK and King's College London. As an independent group leader, he has been funded by prestigious grants from the European Research Council (ERC) and the European Molecular Biology Organization (EMBO). His research is dedicated to Oncoimmunology, having dissected novel molecular mechanisms of T-cell differentiation and tumor cell recognition, published in journals such as *Science* or *Nature Immunology*, among a total of 70 international peer-reviewed papers. His translational work was recognized with various awards; and led to a start-up company focused on cancer immunotherapy, Lymphact, where he heads the Scientific Council.



Christine Stabell Benn, MD, PhD, DMSc has worked at the Bandim Health Project in Guinea-Bissau (BHP, www.bandim.org) since 1993, starting as a medical student. She spent postdoc time at the Danish National Hospital and at Stanford University. In 2010, Dr. Benn received an ERC Starting Grant. In 2012, Dr. Benn was selected by the Danish National Research Foundation to establish and lead a Center of Excellence, the "Research Center for Vitamins and Vaccines" (CVIVA, www.cviva.dk). Since 2013, Dr. Benn is Professor in Global Health at the University of Southern Denmark. Dr. Benn's research focuses on how vaccines and vitamins affect the immune system in more general ways than previously thought.