

Online Conference Program: Day 1

Saturday, February 15, 2020

Time (EST)	Topic	Speaker
7:00 – 7:15 am	Opening Ceremony – Introduction and Welcome from BSI	Dr. Eleanor Fish, Univ. of Toronto, Canada
Scientific Session 1: Inflammation		
7:15–7:50 am	Keynote – Adventures in Inflammation Research	Dr. Luke O’Neill, Trinity College, Dublin, Ireland
7:55–8:10 am	Effects of Vit. D supplementation and seasonality on circulating cytokines in adolescents: lessons from a feasibility trial in Mongolia	Dr. Sergey Yegorov, Suleyman Demirel University, Kazakhstan
8:15–8:30 am	Glycerol phosphate shuttle enzyme GPD2 regulates macrophage inflammatory responses	Dr. Kent Langston, Harvard University, USA
8:35–8:50 am	Malonylation of GAPDH is an inflammatory signal in macrophages	Dr. Silvia Galvván-Peña, Trinity College/ Harvard University, Ireland/USA
8:55–9:10 am	Polyunsaturated fatty acids and p38 MAPK pathway – Bridging the gap between metabolic reprogramming and cytoprotective gene expression during dietary restriction	Anita Goyal, National Institute of Immunology, India
9:15–9:30 am HotDoc	Beyond Sciences Initiative Moi University Chapter - Projects and Experiences	BSI Moi, Moi University, Kenya
9:30–9:45 am	Break	
Scientific Session 2: Chronic Diseases and Cancer		
9:45–10:20 am	Keynote – Towards Precision Medicine: Data-driven Machine Learning Approaches Towards Understanding Autoimmunity	Dr. Rae Yeung, University of Toronto, Canada
10:25–10:40 am	Increased metformin dosage suppresses pro-inflammatory cytokine levels in systemic circulation and might contribute to its beneficial effects	Benjamin Amoani, Cape Coast University, Ghana
10:45–11:00 am	Vitamin C increases the potential of human T cells for cancer immunotherapy	Dr. Léonce Kouakanou, University of Kiel, Germany
11:05–11:20 am	Profiling of chemotherapeutic drugs as modulators of MRP1 protein expression in cancer cells	Vivian Osei Poku, South Dakota State U., USA
11:25–11:40 am	Gene expression analysis of the TRIM family genes reveals TRIM8 as an independent adverse prognostic factor in acute myeloid leukemia	César Alexander Ortiz Rojas, University of Sao Paulo, Brazil
11:45–12:00 pm	Screening of the ARX gene in Moroccan patients with non syndromic X-linked intellectual disability	Yousra Benmakhlof, U. Abdelmalek Essadi, Morocco
12:05–12:20 pm	Reduced VIP content accompanied by disrupted innervation in young Cystic Fibrosis (CF) mice	Anna Semaniakou, Dalhousie University, Canada
12:20–12:45 pm HotDocs	Environmental Contaminants: a population-based study to explore association with relevant cancers in Newfoundland and Labrador Wash a Hand, Wash Another	Md Arifur Rahman, Memorial University, Canada Diego Gonçalves Fernandes, University of Franca, Brazil

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Online Conference Program: Day 2

Sunday, February 16, 2020

Time (EST)	Topic	Speaker
Scientific Session 3: Bioinformatics/ Biotechnology		
7:00–7:35 am	Keynote – Nanotechnology Opportunities in Health	Dr. Archana Bhaw-Luximon, Univ. of Mauritius, Mauritius
7:40–7:55 am	A Machine Learning based algorithm for deciphering complex chemical structures of secondary metabolites by genome mining	Priyesh Agrawal, National Institute of Immunology, India
8:00–8:15 am	Hyaluronic acid-dihydroartemisinin conjugate: synthesis, characterization and <i>in-vitro</i> evaluation of its anti-proliferative potential	Mamta Singh, National Institute of Immunology, India
8:20–8:35 am	Biodegradation of plastics by bacteria and fungi isolated from a solid waste plant in Zarumilla-Tumbe	Miluska Baylon, Incabiotec SAC, Peru
8:40–8:55 am	Cell free DNA-sequencing detects breast cancer in majority of newly diagnosed women in Ghana	Samuel Ahuno, KNUST, Ghana
8:55–9:10 am	Different flavors of T cells: single cell analysis of colonic lymphocytes following infection	Dr. Evgeny Kiner, Harvard Medical School, USA
9:15–9:30 am	Exploring the potential of <i>Acinetobacter baumannii</i> Carbapenemase Bla-Oxa proteins in the design of B and T Cell M-ES vaccine using an immunoinformatics approach	Mary Kaka, Adeleke University, Nigeria
9:35–9:50 am HotDoc	Uhai – the blood donation integrated system	Pavanraj Chana, Moi University, Kenya
9:50–10:00 am	Break	
Scientific Session 4: Infectious Diseases		
10:00–10:35 am	Keynote – Crossing channels: from academic research to the corporate boardroom	Dr. Dirk Gewert, Horizon Discovery, UK
10:40–10:55 am	The effect of riboflavin analogues on the intraerythrocytic stage of Plasmodium and identification of flavokinase as a potential antimalarial target	Ayman Hemasa, Australian National University, Australia
11:00–11:15 am	Resistance pathways for potent and broadly active HIV-1 maturation inhibitors	Puong Pham, Oxford University, England
11:20 –11:35 am	Cholera toxin promotes pathogen acquisition of host-derived nutrients	Dr. Fabian Rivera-Chavez, Harvard Medical School, USA
11:40–11:55 am	IgA : a unique key for tuning E.coli “connectivity”	Dr. Nahla Hussein, U. Louvain/ AM U Cairo Belgium/ Egypt
12:00–12:15 pm	Polyoxometallates inhibit ZIKA virus by targeting the viral E protein	Ana Enderle, CIBION-CONICET, Argentina
12:20–12:35 pm	Role of RHIM proteins in bacterial gut infection	Vik Ven Eng, Monash University, Australia/Malaysia
12:40–12:55 pm	Macrophage function and underlying mechanisms in TB-IRIS development	Lalit Pal, National Institute of Immunology, India
1:00–1:25 pm	Cross-Sectional Study on Rejection and Its Effects on Students of Moi University College of Health Sciences.	Faith Chepkorir, Moi University, Kenya
HotDocs	Towards a Europe free of cancer: Youth Ambassadors of the European Code Against Cancer Program	Christos Tsagkaris, University of Crete, Greece
1:30 pm	Closing Ceremony	

Online Conference Program: Day 3

Saturday, February 22, 2020

Career session and short talks

Time (EST)	Topic
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Career development session and round table	
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Featured panelists include:

Dr. Nana (Hyung-Ran) Lee,
Director of Graduate Professional Development
Assistant Professor, Teaching Stream
Dept. of Biochemistry and Immunology
University of Toronto, **Canada**

Dr. Menattallah Elserafy,
Assistant Professor, Center for Genomics
Zewail City of Science and Technology, **Egypt**

8:00–10:00 am

Dr. Deepali Ravel,
Curriculum Fellow, Harvard Infectious Diseases
Consortium
Lecturer, HMS Dept. of Microbiology and HSPH
Dept. of Immunology and Infectious Diseases, **USA**

Marion Girth,
Career Service Project Coordinator, DKFZ,
Heidelberg, **Germany**

Dr. Rodrigo Javier Gonzalez,
Immunology Research Fellow, Harvard
Medical School, **USA**

Poster session/ short talks	
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10:00-11:30 am	Moderated poster session
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