



Precision Global Health in the Digital Era

by

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Time : 10:30 a.m. – 11:45 a.m.
Venue : Seminar Room 1A & 1B, G/F, The HKJC Building for Interdisciplinary Research,
5 Sassoon Road, Hong Kong

Abstract:

Precision global health is an approach similar to precision medicine, which facilitates, through innovation and technology, better targeting of public health interventions on a global scale, for the purpose of maximizing their effectiveness and relevance. This is particularly interesting in the context of infectious diseases and their emerging threats with for example the use of remote sensing data to fight vector-borne diseases or social networks and internet search engines for tracking the emergence and spread of infections etc. Precision global health also involves open science and open data sharing platforms for global and urgent research, as well as innovative approaches to global and massive education and capacity building from citizen to health professionals based on MOOCs and other innovative e-tools (Flahault et al. 2017). This presentation will reflect on the opportunities around information-driven approaches enabled by digital technologies to help improving global health with greater equity. It will bring some of the ongoing activities and discussions in this field at the University of Geneva and in collaboration with other Swiss and international partners and more widely so called International Geneva.

Bio-sketch:

With an interdisciplinary and international background at the interface of avian veterinary microbiology and disease ecology, and with several years of experience in the field of medical informatics, Dr. Rafael Ruiz de Castañeda co-leads the One Health Unit at the Institute of Global Health of the Faculty of Medicine of the University of Geneva. His research and education activities bring together One Health with innovation from computers sciences and ITCs, and result from interdisciplinary collaborations with experts from the University of Geneva, the University Hospitals and institutions from International Geneva (e.g. WHO, MSF etc.) and Lemanic region (e.g. EPFL).