

## Special Sessions

**SS3.2****Antimicrobial Resistance****14:30 Theatre 2**

### One Health Approach to the Control of Antimicrobial Resistance in Hong Kong

Ng KHL

*Infection Control Branch, Centre for Health Protection, Department of Health, The Government of the Hong Kong Special Administrative Region*

Antimicrobial resistance (AMR) brings significant impact to healthcare settings, and is regarded as one of the most serious public health threat. It limits clinicians' choice of antibiotics for treating infections, renders conventional treatment for common infections ineffective, and increases healthcare burden for treating them. Novel resistance mechanisms continue to emerge and spread among microorganisms globally and we are on the edge of a post-antibiotic era. The Government of the Hong Kong Special Administrative Region has launched the Hong Kong Strategy and Action Plan on Antimicrobial Resistance in July 2017 to tackle the threat of AMR. The action plan includes six key areas under the One Health framework with considerations from human, animal and environment health aspects.

In this session, the One Health Approach, suggested by the World Health Organization as the preferred approach in controlling AMR, will be discussed, illustrating the complex interactions between human health, animal health, and the environment; its relationship with AMR; and the importance of multi-sectoral collaboration for effective AMR control. Examples of AMR control initiatives will be shared, with the latest results of General Public's Knowledge, Attitude and Practice Survey, which shows the view and practice of local general public concerning AMR, and its implication to daily practices of health professionals will be discussed.