New molecular tools to support veterinary diagnostics during multiple infections and potential vaccine approaches

By
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Time: 10:45am – 11:45am
Venue: Room 2-130, 1/F, Block 2, To Yuen Building

Abstract
One of the key responsibilities for veterinarians, animal scientists and researchers is to develop, fast, reliable and ideally targeting a broad spectrum of potential pathogens simultaneously. Then he/she can decide what the best treatments possible are and what are the preventative control methods to put in place for other animals not yet infected. This talk will highlight some molecular techniques able to deliver such holistic approach and how control approaches (vaccinations, biological and chemical control methods) can lower the risks of spreading diseases between animals. Such methodologies can be translated to many animal species and different farming/animal husbandry systems of interests for students and staff at The College of Veterinary Medicine and Life Sciences.

Biography
Professor Olivier Sparagano is currently the Associate Pro Vice-Chancellor for Research at Coventry University in UK, Professor of Animal Health and Biotechnology and is the Chair of a EU Cost Action (scientific network of 28 countries, over 300 members) focusing on the poultry red mite, Dermanyssus gallinae (control methods, One Health, genomics, epidemiology). He wrote over 150 peer-reviewed papers and circa 350 conference abstracts. He is the former President and a Fellow of the Society for Tropical Veterinary Medicine, a Fellow of the Royal Entomology Society, the Royal Society for Biology and the Higher Education Academy. His research interests are focusing on molecular diagnostics and vaccine development techniques.

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