UCDAVIS VETERINARY MEDICINE

CADMS Seminar Series*

Faculty, Residents, Staff and Students

School of Veterinary Medicine

You are cordially invited - mark your calendars!

Thursday, February 28th, 2018
12:00 p.m. - 1 p.m., 1043 Valley Hall

Title: Epidemiological investigations of highly pathogenic avian influenza H5N8 spread in France, 2016-17

Invited Speaker: **Claire Guinat**
Post-Doctoral Student
National Veterinary School of Toulouse, France

Brief BIO: Claire obtained her degree in Veterinary Medicine from the National Veterinary School of Toulouse (ENVT), France, 2012. She completed her MSc on Animal Health and Epidemiology at the French Agricultural Research Centre for International Development (CIRAD), France, 2013. She completed a PhD in Veterinary Epidemiology at the Royal Veterinary College and the Pirbright Institute, UK, 2016. In January 2017, she joined the Chair of Avian Biosecurity at the ENVT as a postdoctoral researcher. Her research activities are based on the development of strategies for infectious disease control. Since the beginning of her PhD, her research has been focusing on understanding and modelling disease transmission dynamics in livestock populations, taking into account the population specificities in the transmission processes, with the aim at improving our capacity to efficiently control epidemics.

Summary: In winter 2016-2017, Highly Pathogenic Avian Influenza (HPAI) virus of the subtype A(H5N8) caused severe and unprecedented epizootics across Europe, in terms of number of outbreaks in poultry and wild birds and number of affected countries. France was massively affected, resulting in the culling of over 6 million poultry. Here we will describe the spread pattern of H5N8 during the 2016-2017 epidemics, identify the risk factors of H5N8 infection in poultry holdings and generated predictive risk maps for H5N8 in France, and investigate the role of live poultry trade in the spread of H5N8 in France.

***Organized by the Center for Animal Disease Modeling and Surveillance (CADMS)**

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If you have any questions or comments please contact Beatriz Martinez Lopez (beamartinezlopez@ucdavis.edu)