



CADMS Seminar Series*

Faculty, Staff and Students

School of Veterinary Medicine

You are cordially invited Mark your calendars!

Title: Epidemiological modeling of an urban wild boar population in the wild boar-human interface of the Metropolitan Area of Barcelona, Spain

Invited Speaker: **Carlos González Crespo**

PhD Student (last year)

Universidad Autonoma de Barcelona, Spain

Brief BIO: Wildlife biologist with several years of conservation background in wildlife rescue centers and conservation programs. With the aim of helping wildlife by decreasing their threats from a higher level of decision, I decided to study for a master's degree in Biodiversity Management. Currently in my last year of PhD in Biodiversity focused on the management of urban wildlife.



Wild boar (*Sus scrofa*) population numbers have increased and their distribution area has spread worldwide in the last decades. As a generalist species, the wild boar is capable of successfully colonizing and exploiting a wide range of habitats, including the interface between urban areas. Colonization of urban areas and habituation to humans causes damage to green areas, attacks on people and domestic animals and poses a health risk, exacerbating conflicts with humans. Wild boars can act as reservoirs of diseases, some of them shared with domestic animals and /or people (zoonoses such as tuberculosis, toxoplasmosis, salmonellosis, brucellosis and hepatitis E). The fact that the habituation of wild boars increases contact with humans, and the attacks result in situations of risk and citizen insecurity and evaluation and forecast have not been studied until now.

Here we used Agent based models with real data from Barcelona, Spain, to allow the assessment of the best management methods to reduce the potential intra- and inter-species dissemination of infectious diseases such as Classical swine fever, Hepatitis E or Campylobacter.

The management of this invasive mammal is a difficult challenge far from being solved, facing both ecological and social factors.

12:00 p.m. - 1 p.m., 1043 Valley Hall

Friday, August 24th, 2018

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



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