



## CADMS Seminar Series\*

### **Faculty, Staff and Students**

School of Veterinary Medicine

*You are cordially invited Mark your calendars!*

**Title: EFFECT OF CLIMATIC VARIABLES IN THE  
OCCURRENCE OF VIRAL DISEASES  
IN FRESHWATER FISH SPECIES IN CALIFORNIA: A  
RETROSPECTIVE ANALYSIS FROM 2000 TO 2018**

**Invited Speaker: Shadira Gordon**

DVM Student (last year)

Universidad Nacional Autónoma de México, Mexico

**Brief BIO:**

Veterinary student with experience in genetics and wildlife conservation research. Main interests are emerging diseases surveillance and eradication, wildlife conservation and new approaches to improve animal, human and environment interaction.



National Fish Hatcheries System was created in order to address the California fish population decrease at 1871. Despite of its success, significant shifts in the worldwide environment conditions now pose a fundamental threat to several freshwater fish species health. In this study, conducted in collaboration with the Fish diagnostic laboratory at UC Davis and the CDFW, we analyze spatiotemporal dynamics of Infectious Necrotic Virus and Cutthroat Virus in several fish freshwater species at different hatcheries of NFHS and also, we explore the influence that climatic changes have in the occurrence of those viral diseases from 2000 to 2018. Our results show how drought and other climatic factors have severely affected the pattern of occurrence of viral diseases over time and highlights the importance of work collaboratively with stakeholders to improve cost-effective interventions and surveillance programs and preserve, promote, and maintain healthy, self-sustaining populations of fish.

**12:00 p.m. - 1 p.m., 1047 Valley Hall**

**Thursday, October 4th, 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](mailto:beamartinezlopez@ucdavis.edu))