



## POPULATION HEALTH GRAND ROUNDS PRESENTS

### TOPIC:

# The Impact of Climate Change on Zoonoses: Here, Now, Tomorrow? Mississippi as a representative microcosm

Monday, September 27, 2021 • 12:00 – 1:00 pm

Location: BigBlueButton or dial in 1-863-208-0022 (pin: 337 216 271)



Elise Peery Gomez Sanchez DVM, PhD  
Professor  
Department of Pharmacology  
& Toxicology  
University Of Mississippi Medical Center

### Objectives:

1. Measure the complexity of the life cycle of many disease organisms and how climate limits or facilitates vector(s), reservoir host(s), and the disease organism itself.
2. Recognize diseases previously limited to tropical areas are extending their previously known range; those thought to be vanquished decades ago are reappearing
3. Identify the role of surveillance for (re)emergent autochthonous diseases including anthrax, chagas disease, leprosy, malaria, lymphatic filariasis, paragonimiasis, and fungi and their toxins.

My original training prepared me to return to the neotropics for the study and prevention of zoonotic and enzootic diseases. My primary recent research focus has been the regulation of the synthesis and action of adrenal steroids, especially aldosterone (1,2) (3-7), and the biology of the mineralocorticoid receptor (MR) and its ligands, reviewed in (8,9), with particular focus on its role in pathological cardiac, renal and vascular remodeling and its actions in the central nervous system (10-12). I recently broadened my focus to include neuro and muscular degenerative diseases (13-18). Among techniques used have been pharmacological and physiological studies in animals and cultured cells, including those genetically engineered by us, biochemistry and molecular biology, and histopathology and immunohistochemistry. My change from full-time investigator at the VA for 30 years with 1/8th affiliation in the Department of medicine, to a full time professor position in the Department of Pharmacology & Toxicology allowed me much greater opportunity to teach Medical, Dental, and Graduate students, which I enjoyed immensely, while allowing me to continue research collaborations. The University and VA are across the street from each other, thus the distance posed no problem for communication. I was asked to retire in May of 2020, ostensibly as a cost saving measure for the university during the Sar-Cov2 pandemic. I retained enough University hours to honor commitments to ongoing funded research and continue collaborations while based primarily at the VA except for animal work, as the VA contracts space in the research animal facilities at UMMC.

**DISCLOSURE:** Speakers, moderators and activity planners for CME activities are required to disclose any relevant financial relationships or personal benefits that may be associated with their presentations. The planners of this activity, as well as the speakers and moderators today, have no relevant conflict of interest related to this activity.

— THERE ARE NO FEES FOR PARTICIPATING IN THIS LIVE ACTIVITY. —

**AMA – American Medical Association** – The University of Mississippi School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. As an organization accredited for continuing medical education, the University of Mississippi School of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit toward the AMA Physician's Recognition Award. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**ADA CERP – American Dental Association Continuing Education Recognition Program** – The University of Mississippi School of Dentistry is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. The University of Mississippi School of Dentistry designates this activity for 1.0 continuing education credits.

**Nursing** – The University of Mississippi Medical Center School of Nursing is approved as a provider of nursing continuing professional development by The Mississippi Nurses Foundation, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. As an approved provider, the University of Mississippi Medical Center School of Nursing awards this activity 1.0 contact hour(s)

 **APA – American Psychological Association** – The University of Mississippi Medical Center is approved by the American Psychological Association to sponsor continuing education for psychologists. The University of Mississippi Medical Center maintains responsibility for this program and its content. Psychologists will receive 1.0 continuing education clock hour in participating in this course.

**Social Work:** This organization The University of Mississippi Medical Center provider number SWB 120016 is approved as a provider for continuing education by the Mississippi Board of Examiners and Marriage & Family Therapists; Approval Period: 1/15/2020 through 1/15/2022. Social workers will receive 1.0 continuing education clock hours in participating in this course (Clinical \_\_\_/Supervision \_\_\_/Cultural/Competency \_\_\_/Ethics \_\_\_/General \_\_\_X\_\_\_)

For more information, please contact [prevmed@umc.edu](mailto:prevmed@umc.edu)