

Grambling State University

Office of Sponsored Programs Fall 2019 Seminar Series

“Smoking/Vaping Induced Inflammation: Novel Therapeutic Targets & Intervention Strategies”



Guest Speaker: Dr. Sanjay Batra
Chair and Professor
Department of Environment
Toxicology
Southern University and A&M
Baton Rouge, Louisiana

When: 11:00 am-Thursday
September 12, 2019

Where: Carver Hall 22

Abstract of Presentation

Recent advances in e-cigarettes (e-cigs) related research has revealed the potential dangers associated with smoking/vaping. The composition of the vapors triggers oxidative stress



signals and inflammatory responses. These actions could result in similar pulmonary inflammation and pathologies as those observed by prolonged cigarette smoking. The mechanism of induction of inflammation and oxidative stress on exposure to e-cigs vapor is not completely understood. Further complicating the matter is the fact that a wide variety of flavors of e-liquids (used to fuel e-cigs) are available in the market with varying compositions.

This talk will focus on the work of the *Batra group* to understand the mechanisms of e-cigs vapor induced inflammation. Also discussed will be the identification of novel therapeutic targets/nutrivention strategies for the better management of vaping associated pathologies.

Seminar Series supported by Title III

For additional information please contact the Office of Sponsored Programs at 318-274-6299 or Dr. Waneene Dorsey at 318-274-2399.