



Discovery Science Emerging Scholars Lecture

“Investigating the molecular regulation and function of death signaling complexes”



The cellular response to danger signals such as pathogens or DNA damage is important for survival and many diseases. The response is usually mediated by large multiprotein death signaling complexes that can either eliminate the damaged cells or promote homeostatic restoration pathways. However, the specific inputs that initiate the death signaling complex formation as well as the downstream signaling pathways activated by these complexes are not well understood. Here, we demonstrate how small molecule inhibitors of the serine peptidases, DPP8/9, induce formation of the CARD8 and NLRP1 inflammasomes, which activate caspase-1 to cause an immunostimulatory type of death called pyroptosis.

Cornelius Taabazuing, Ph.D.
Postdoctoral Fellow
Memorial Sloan-Kettering Cancer Center

Thursday
November 19, 2020
9:30 am

Zoom

This lecture series features the most promising young scientists who are making notable discoveries as postdoctoral fellows or early career faculty.

Sponsored by



VANDERBILT
SCHOOL OF MEDICINE

Basic Sciences | Molecular Physiology & Biophysics