“Controlling inflammation in tissue injury and repair”

Guest Speaker: Kurt Lu M.D. Northwestern University

Thursday April, 11th

**WHEN:** 12:00pm-1:00pm

**WHERE:** Vet Med Room2226

**HOST:** Dr. Swamy

**PIZZA SERVED IN FISH TANK LOBBY**

Seminar Details

Our laboratory conducts research in the areas of tissue injury, wound healing, and skin inflammation. We are interested in understanding the mechanisms of tissue damage following exposure to ultraviolet radiation or chemicals such as toxic alkylating agents (chemotherapeutics). In particular, our focus is on the role of host innate immune responses in mediating these processes. In the past few years we have some success in repurposing currently available medications as novel immune-modulating treatments for promoting tissue repair. In this seminar we will discuss our research with vitamin D3 and how it has been translated from bench work into the first-in-human clinical study. We will discussed how a single high dose of vitamin D3 can mitigate skin inflammation following severe experimental sunburns and other models including chemical-induced skin inflammation.

Next Week’s Speaker: **Pam Lein PhD**

**Topic:** The effects of traffic-related air pollution on Alzheimer’s disease phenotypes in a genetically susceptible animal model