

# **Medicinal Chemistry and Pharmacology of Antivirals Targeting Drug-resistant and Emerging Viruses**

**Dr. Jun Wang, Assistant Professor**

**Department of Pharmacology and Toxicology  
College of Pharmacy, University of Arizona, AZ**

My lab focuses on developing antivirals targeting drug-resistant and emerging viruses such as influenza virus and the enterovirus D68. In addition, we are interested in studying the pharmacology of antivirals, specifically their mechanism of action and mechanism of resistance. The goal is to develop antivirals with a high genetic barrier to drug resistance. In this seminar, I will present two projects: one is the drug resistance mechanism of influenza A virus M2 proton channel blockers; another is the discovery of enterovirus D68 (EV-D68) antivirals by targeting the viral capsid protein VP1, the 2C protein, as well as the newly identified 2A protease.

**Bell Hall 143**

**Friday, September 13, 2019, 10:30 AM**