

# Industrial & Physical Pharmacy Seminar

## IPPH 69600

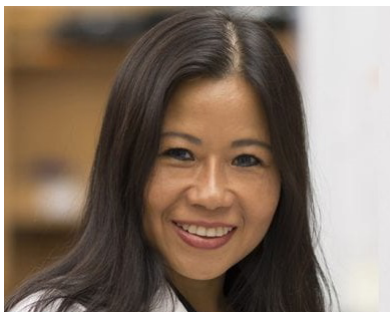
Monday, November 29, 2021

3:30 PM via **Zoom**

<https://purdue-edu.zoom.us/j/96279717918?pwd=UjZsUVQwbExBZFhnOC8zVnpkRGZOQT09>

Meeting ID: 962 7971 7918 Passcode: seminar

*“Beyond Immune checkpoint Blockade: Harnessing NKG2D/NKG2DL pathway for cancer immunotherapy”*



**Dr. Jennifer Wu**

Northwestern University

Oncogenic-induced membrane-bound NKG2D ligands stimulates NK and CD8 T cell anti-tumor immunity. Conversely, tumor-edited soluble NKG2D ligands in the tumor microenvironment suppresses anti-tumor immunity. In this lecture, I will present evidence of how the human tumor-bound and tumor-shed NKG2D ligand, the MHC I-chain related molecule (MIC) edit anti-tumor immune responses through multiple pathways. I will also present evidence that antibody targeting soluble MIC generates effective anti-tumor responses as a single agent and effectuates other immunotherapeutic modalities when used in combination.