



UNIVERSITY OF PITTSBURGH
SCHOOL OF MEDICINE
DEPT. OF PHARMACOLOGY & CHEMICAL BIOLOGY



PHARMACOLOGY & CHEMICAL BIOLOGY SEMINAR

“Synthetic lethality and DNA repair networks”

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12:00 p.m.

Thursday, January 16, 2020

1395 Conference Room, Biomedical Science Tower

The orchestration of DNA repair is of fundamental importance to the maintenance of genomic integrity and tumor suppression. In my presentation, I will discuss our recent efforts in mapping genome maintenance pathways using genome-scale CRISPR/Cas9 screens in human cells. I will highlight how these screens can be used to identify new genome stability factors and how they can uncover actionable synthetic lethal genetic interactions that could form the basis of new oncology drug discovery efforts.