

Research Interests

Jianxin You Ph.D.

The research activities of Dr. You's laboratory are to investigate the contributions of HPV oncoproteins to human cancers. She focuses on the role of the HPV encoded E2 protein and its interaction with cellular Brd4 protein, in tethering the viral genome in the latently infected cells, and regulation of transcriptional activities of cellular genes. She is determining the contributions of the HPV E2 protein to chromatin remodeling which determines the modifications at specific loci within the genome. She showed that the HPV E2 protein can also regulate p53 mediated apoptosis and so increase survival of the viral infected cells. She also has developed a new program in Merkel cell polyoma virus and has actively engaged a number of our trainees in this work.

Interactions with other trainers: Since her recruitment Dr. You has shown that she is a highly interactive member of our faculty and interacts with numerous other trainers in the program. She interacts with Drs. Lieberman and Weiner on development of therapeutic interventions for HPV associated human cancers.