

Research Interests

Lewis Chodosh M.D., Ph.D.

Dr. Chodosh's laboratory has a major focus to understand the pathways regulating cancer development, metastasis and recurrence that can be controlled by antigens encoded by oncogenic viruses and the major integration sites that can create long term proliferation of major cancers including breast and lung cancers. Using genomics and computational approaches his group will explore the basic genetic programs in cancer. They are also interested in the use of non-invasive imaging approaches to study tumor biology. These strategies will use molecular, cellular, animal models and human and in silico model systems to study the functions of critical master regulatory molecules with the hope that they will eventually be able to provide clues for development of intervention strategies for clinical trials to treat viral associated cancers.

Interactions with other trainers: Dr. Chodosh interacts with numerous investigators on this training grant including Dr. Robertson, Feldser, Wellen, Greenberg and Yang. He has extensive experience in working with trainees at the pre and post-doctoral levels and is a major asset to this training program.