

## Research Interests

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### ***George Shaw M.D., Ph.D.***

Dr. Shaw lab is one of the world renowned groups in the molecular biology of the human immunodeficiency virus (HIV) and the hepatitis C virus (HCV). He investigates the quasi-species of HIV in vivo and the dynamic nature of the persistent infection and viral replication. A critical component of the lab studies is to understand the mechanism of virus persistence as the cellular and humoral immune response evolves. His laboratory has cloned a number of HCV species from early in vivo infection and is investigating how these clones may contribute to pathogenesis. This has direct impact on potential therapeutic avenues for treatment of long term infection in patients that are refractory to current treatment regimens.

*Interactions with other trainers:* Dr. Shaw is one of our senior members of the community of investigators working on HCV and interacts with a number of other groups in this training program including Drs. Weiner, Chang and Li. He is active in all training activities related to this training program which is critical for our trainees.