

Data from Rafick Sekaly's laboratory suggests that cocaine use alters immune cell metabolomics resulting in larger HIV reservoir. The purpose of this grant is to validate this data in a new cohort and the impact of concurrently used substances (methamphetamine, marijuana, opioids) on the HIV reservoir.

Years 1-3 snapshot studies of various substances.

Year 4 and 5 will propose the impact of a substance use intervention on metabolomics longitudinally.

For preliminary data for this grant we are inquiring about availability of samples (plasma and cells) to evaluate the metabolomics of the following

Please provide the total samples available for unique patients AND over time

Virologically suppressed and actively using

- Cocaine
- Methamphetamine
- Marijuana
- Opioids
- Cocaine and marijuana
- Cocaine and opioids
- Meth and marijuana
- Meth and opioids
- Opioids and marijuana