



Rodent Tail Vein Injections (TVINJ)

Hands-on Laboratory

This lab includes:

- **Restraint**

- Discussion and demonstration of restraint procedures/restrainers for either mice or rats.

- **General Consideration**

- Discussion and demonstration on how to choose needle and syringe size and how to keep solutions sterile.
- Discussion and demonstration on the anatomical location of the lateral tail veins.

- **Tail Vein Injection Techniques**

- Discussion and demonstration on how to safely and effectively perform tail vein injections in either mice or rats, using different types of restraint.
- Perform IV tail vein injections on anesthetized rodents first and then place animals in restrainers to perform conscious tail vein injection (will be tailored to the procedure that will need to be performed in the researcher's lab).

- **Potential Complications**

- Discussion of potential complications caused by tail vein injections and ways to respond to those situations.