Project Requirement:

Cyclic peptides were to be analyzed for Kinetic solubility, Chrom Log D, MDCK, PAMPA, & Caco2 experiments, while overcoming the challenges associated with the impact of cyclization of peptides on in vitro experiments and bioanalysis

What were the challenges!

- 1. Nonspecific Binding (NSB)
- 2. Precipitation of peptides while spiking DMSO stock to buffer
- 3. Impact of pH on the compounds
- 4. Low recovery of peptides
- 5. Proteolysis in buffer and cellular enzymes
- 6. Inconsistent data

