I Sample preparation

Cell culture

|

Immunoaffinity purification

|

HLA proteins and peptides

|

HPLC separation

|

HLA peptides

II Mass spectrometry

Separate peptides

|

Ionize peptides

|

Analyse Mass

|

Detect ions

III Peptide identification

De novo tags

|

Database search

|

Identify PTMs

|

Filter results

IV Bioinformatics

Peptide distributions

|

Binding motifs

|

Literature searches, do the results makes sense?