## Take a screen short for each view that you obtain in the following exercises excepting Exercise 1

## Exercise 1: Basic Molecule Manipulations

* Open PDB file of 1FIW to DeepView
* Spend a few minutes familiarising yourself with the basic movement controls. Make sure you are happy you know how to:
* Rotate, Translate and Zoom just using the mouse
* Rotate the molecule about the Z-axis using the keyboard modifier
* Add a slab to the view, change its thickness and drag the molecule through it

## Exercise 2: Different Structural Representations

* Create the following views of the 1FIW molecule.
* A view of the backbone atoms coloured by their type
* A ribbon view coloured by secondary structure
* A Backbone and sidechain view of residues 16-20 only, coloured by CPK.
* A ribbon view of the whole structure, coloured grey, with the following resides shown as backbone and sidechains coloured red, and labelled.
  + - His 57
    - Ser 195

## Exercise 3: Making Selections

* Use the selection mechanisms to create the following views 1FIZ
* A backbone view, (coloured green) with sidechains added (coloured by type)

## Exercise 4: Finding Regions of Interest

* Open 1FIW structure
* What is the reference for the original paper which published this structure
* Does this structure contain Prosite Motifs?

## Exercise 5: Working with Multiple Structures

* Open the 1FIZ and 1FIW
* Fit the two structures together using just the CA atoms
* Colour the alignment by alignment diversity.

Reference

Simon Andrews. *Deep Review Exercise*