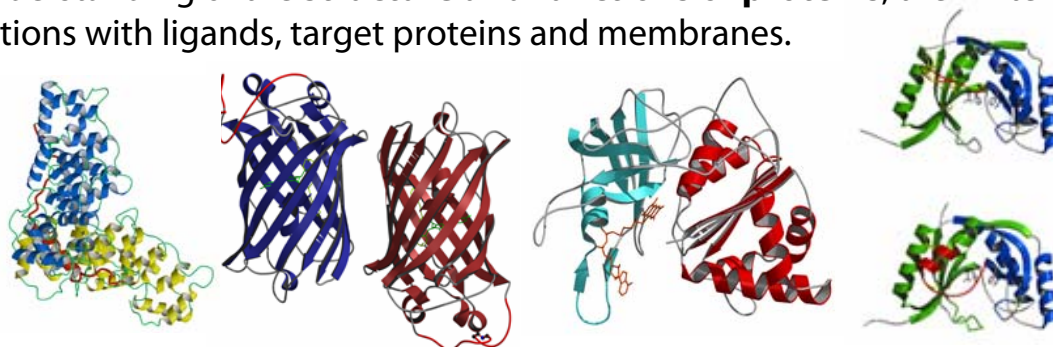


Projects available

Projects at all levels (Research Placement, MSc, PhD, Postdoc) are available in the Structural Chemistry Program at the Eskitis Institute for Cell & Molecular Therapies.

Structural Chemistry complements the research portfolio of the Eskitis Institute by providing **structural information** in order to understand **protein mechanisms at the molecular level**.

To improve the knowledge of the molecular mechanisms of diseases as well as to identify possible sites of interference, one needs to have a solid understanding of the **structure and functions of proteins**, their interactions with ligands, target proteins and membranes.



With **protein crystallography** on the one hand, and a variety of **bio-physical methods** on the other, Structural Chemistry provides information about structure, shape and properties of proteins. By establishing structure-function relationships, we obtain a rational for future therapeutic applications.

The Program is headed by Andreas Hofmann and projects focus on **structure-function relationships of proteins involved in inflammation, neurodegeneration, cell development and cell growth**. Cytoskeletal proteins and proteins residing at membrane sites are of special interest to the group.

For more **information** see

Structural Chemistry: <http://www.structuralchemistry.org/>

Eskitis Institute: <http://www.griffith.edu.au/centre/eskitis/>

or email a.hofmann@griffith.edu.au