



Pictured above is a crystal structure of a pyruvate carboxylase monomer color according to the individual protein domains. This structure, solved at Marquette University, was the first to reveal the molecular level interaction between the biotin carrier domain (red) and the biotin carboxylase domain (blue).

## Hi-intensity X-Ray Diffractometer Macromolecular Crystallography

The laboratory works at the exciting interface of chemistry and biology, using the tools of protein engineering, kinetic analyses and X-ray crystallography to determine the structure and function of various enzyme systems at the molecular level. Structural and kinetic analyses, used in tandem, provide a powerful means to probe underlying mechanisms of disease and unveil new targets for therapeutic applications.

### Location

Wehr Life Sciences

### Contact

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