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#### Research Area: Visualization and Mathematics

Research in visualization of geometrical images to develop a PC Window platform to connect (3D) three-dimensional models of the human body to ontologies, or hierarchies of knowledge, of the corresponding anatomy will be performed in this project. As the user moves the cursor within the 3D space, the anatomical label map will be queried to obtain the organ. This will be passed to a web service for the anatomical ontology (the Foundational Model of Anatomy, developed at the University of Washington), which will return other information, including adjacency information, related to that organ. The project thus integrates both visualization of geometrical images and textual information supplied via a web service.

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