

IUPUI Imaging Research Initiative

Indiana University-Purdue University Indianapolis

Imaging has become an essential research tool in several scientific disciplines. The ***IUPUI Imaging Research Initiative (IRI)*** has been established within the *IUPUI Office of the Vice Chancellor for Research (OVCR)* to provide the environment, infrastructure, and resources necessary for facilitating the development of new, innovative imaging-related technologies, the utilization of imaging technologies as quantitative tools for scientific research, and the dissemination of imaging technologies into the broader research and applied imaging communities.

The **goals** of the *IUPUI Imaging Research Initiative* include:

- To develop and implement a strategic plan that will enable IUPUI to become nationally and internationally recognized as a leading institution for imaging research and its applications.
- To encourage and coordinate collaboration among IUPUI researchers from different disciplines in the development of new, innovative imaging technologies and the utilization of imaging resources in support of research needs.
- To provide advice and guidance in the realization of highly competitive large grant proposals that will support and grow the IUPUI imaging efforts into major nationally and internationally recognized programs.
- To determine strategic areas of strength and growth, available and needed resources, and strategic external partnerships to foster imaging research and its implementation.

Imaging Research Funding Programs: In order to facilitate imaging research and its application within IUPUI, the *OVCR*, through the *Imaging Research Initiative*, has established two new programs designed to aid in the development and implementation of new, innovative imaging-related technologies: the ***IUPUI Graduate Student Imaging Research Fellowship (GSIRF)*** program and the ***IUPUI Imaging Technology Development Program (ITDP)***.

The objective of the ***GSIRF program*** is to provide a source of funding for IUPUI graduate students pursuing a doctoral degree focused on imaging technology development within an interdisciplinary, collaborative, research environment. It is anticipated that this program will serve as a means to enhance multidisciplinary research activities among investigators and provide the foundation for securing additional external funding to further the new imaging technology and its utilization. The aim of the ***ITDP*** is to fund pilot projects for the development of imaging-related technologies that enhance broader, multidisciplinary, research programs. It is anticipated that these pilot projects will provide the preliminary studies needed to demonstrate the feasibility of developing and implementing the new imaging-related technology and serve as the basis for securing additional external funding sources to further the new imaging technology and its utilization.

For further information regarding the *IUPUI Imaging Research Initiative* and its programs please visit the IRI website at <http://www.imaging.iupui.edu/> or contact the IRI Council Members at imgres@iupui.edu