



**EUGENE AND MARILYN GLICK
EYE INSTITUTE**

INDIANA UNIVERSITY
School of Medicine

FOR IMMEDIATE RELEASE

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Glaucoma research continues with Alfred Mann Foundation grant

INDIANAPOLIS – The Glick Eye Institute at the Indiana University School of Medicine will continue research to help determine the diagnosis and management of glaucoma with \$30,000 of a \$100,000 grant from the Alfred Mann Foundation.

The research will be conducted by Dr. Louis B. Cantor, chairman of the Department of Ophthalmology and the Jay C. and Lucile L. Kahn Professor of Glaucoma and Education, and director of Glaucoma Service, and Dr. Babak Ziaie, associate professor of the School of Electrical and Computer Engineering at the Wheldon School of Biomedical Engineering, Birck Nanotechnology Center, at Purdue University.

Drs. Cantor and Ziaie are studying the continuous measurement of intraocular pressure to help determine the diagnosis and management of glaucoma. The researchers will use wireless telemetry to obtain the continuous pressure measurement in the eye. Their study is targeted toward the design, development and testing of a minimally invasive transponder for intraocular pressure measurement.

“This study is significant for several reasons,” Dr. Cantor explains. “Glaucoma is the leading cause of irreversible, yet preventable, blindness throughout the world (more than 3 million Americans have glaucoma but only half of those know they have it). Continuous measurement – over several hours to several days or months - of intraocular pressure would be extremely helpful to obtain an accurate diagnosis of glaucoma, and enable improved management of glaucoma. Wireless telemetry is an attractive method for obtaining continuous pressure measurements.”

The study is expected to be completed by January of 2010. The department’s share is for the experiments; the remainder will be used by the Purdue team to fabricate the implant.

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The Eugene and Marilyn Glick Eye Institute will be constructed over the next 18 months on the IUPUI campus, becoming the new home of the Department of Ophthalmology. For more than 100 years, doctors and staff in the Department have provided excellent patient care, educated physicians, advanced clinical and biomedical research in vision sciences and offered humanitarian service to the citizens of Indiana. Learn more about the Department of Ophthalmology at www.iueye.iu.edu