Passaglia

Passaglia Receives NIH Grant

TAMPA, Fla. (April 7, 2014) Christopher Passaglia, associate professor in the Department of Chemical and Biomedical Engineering, is the recipient of a $388,769 grant from the National Eye Institute/National Institutes of Health. The two-year award "A Novel Method of Glaucoma Induction and Regulation" proposes to engineer a novel instrument for glaucoma treatment.

This project puts forward a wireless smart pump for inducing and monitoring pressure changes that stands to revolutionize how the causes and effects of glaucoma are investigated in animal models and offers the promise of arresting disease progression in humans without the need for drugs that can be expensive and have undesirable side effects.

Ocular Neuroscience and Neuroengineering Lab

-USF-

The University of South Florida is a high-impact, global research university dedicated to student success. USF is a Top 50 research university among both public and private institutions nationwide in total research expenditures, according to the National Science Foundation. Serving nearly 48,000 students, the USF System has an annual budget of $1.5 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.

The College of Engineering at the University of South Florida is ranked at #72 among public institutions by U.S. News &World Report's 2015 engineering graduate school rankings. The college serves 4,600 students offering ABET-accredited undergraduate degrees in seven programs, as well as eleven master's and nine doctoral degrees. The College is actively engaged in local and global research activities with foci on sustainability, biomedical engineering, computing technology and transportation and for the fiscal year 2013-14 had $30.5 million in research expenditures. There are 124 tenured / tenure track faculty and 80 instructors and research faculty.

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