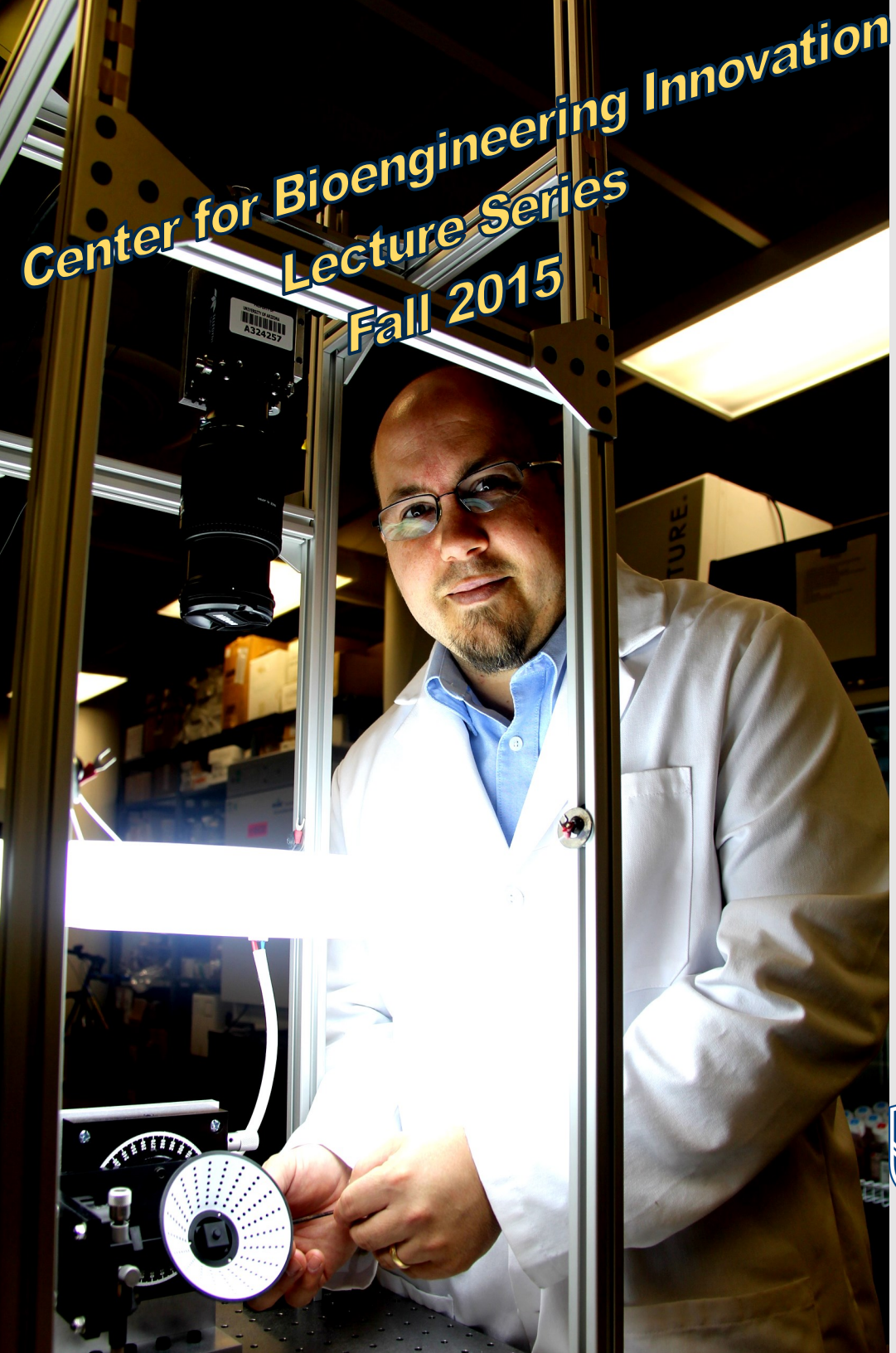

Friday, December 4, 10-11am

Biology (Bldg 21)

617 S Beaver St

Room 256

Primary open angle glaucoma: is intraocular pressure all that matters?

Primary open angle glaucoma (POAG) is the 2nd leading cause of blindness in the world. While it is known that the risk of POAG is increased in individuals with increasing intraocular pressure (IOP), the level of IOP alone is not a tell all biomarker for the incidence and progression of vision loss from this disease. In this presentation the role of posterior ocular biomechanics will be discussed in POAG, especially as it relates to those populations known to be at higher risk for this disease.

Dr. Vande Geest is the Principal Investigator of the Soft Tissue Biomechanics Laboratory (STBL) at the University of Arizona. The goal of the STBL is to understand structure-function relationships in soft tissues and use this knowledge to better understand, diagnose, and treat human disease.

The STBL is particularly interested in how the structure and function of soft tissues develop and how mechanical forces play a role in tissue growth and remodeling. Dr. Vande Geest's laboratory has developed state of the art tools in computational and experimental biomechanics that are poised to address complex challenges in cell and tissue mechanobiology.

Dr. Vande Geest holds appointments in Aerospace and Mechanical Engineering, Biomedical Engineering, the BIO5 Institute, and the Applied Mathematics Program. He also received the Y. C. Fung Young Investigator Award, a society level award from the Bioengineering Division of the American Society of Mechanical Engineers.

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College of Engineering, Forestry & Natural Sciences

Center for Bioengineering Innovation

nau.edu/CBI/Events for more information