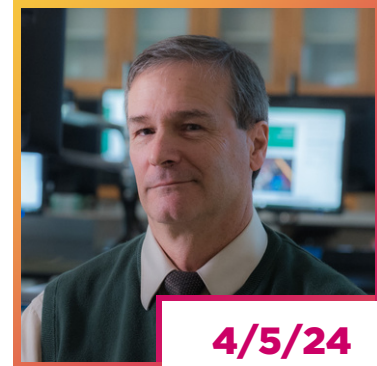


ROBERT FRISINA, PHD received his Ph.D. in Bioengineering and Neuroscience from Syracuse University's College of Engineering. He pursued postdoctoral research as an NIH Fellow in Sensory Physiology and Biophysics at the University of Rochester (NY) Medical School. He is currently Professor, Chair and BME Director in the Medical Engineering Dept. at USF. Previously, he was Professor of Otolaryngology, Neurobiology & Anatomy, and Biomedical Engineering (Founding Faculty Member), and Associate Chair of Otolaryngology at the University of Rochester Medical School for 2 decades. Dr. Frisina's main research currently centers on the etiologies and possible treatments for acquired hearing loss; as well as other areas related to drug delivery/biomedical engineering and neural stimulation systems. Major themes of these lines of neuroengineering research are aimed at developing novel therapies, devices and systems for diagnosing, preventing, delaying or treating cases of environmentally or drug-induced hearing loss, and age-related hearing deficits.



Dr. Robert Frisina

Distinguished University Professor & Endowed Chair
University of South Florida

Friday, April 5th | 9:00 AM | EC 2300

Highlights of Recent Advances in BME and Neuroengineering Approaches to Treating Hearing Loss

ABSTRACT: Recent breakthroughs in current areas of biomedical engineering and sensory neuroengineering will be presented. Three projects will be focused upon, including drug development for preventing or reversing acquired hearing loss, such as age-related hearing impairment; development and testing of micropumps for inner ear and targeted drug delivery; and formulation and proof-of-concept for new neural stimulation technologies, with applications for future cochlear implants, the bionic ear for the deaf.



Through the generous support of the Wallace H. Coulter Foundation, the Department of Biomedical Engineering facilitates weekly lectures each year during academic terms. Experts in all areas of Biomedical Engineering are invited to provide a research seminar and to meet with faculty and students to discuss the latest developments and research in Biomedical Engineering.

Friday, April 5th, 2024 | 9:00AM - 10:00AM | EC 2300

<https://bme.fiu.edu/seminars>