



IEEE Miami Section Invited Seminar Announcement

“A Neurosurgeon's View of Bioelectronic Implant Packaging Needs for Deep Brain Stimulation”

Speaker: Julie G. Pilitsis, M.D., PH.D., M.B. A

Date: Tuesday, November 22, 2022

Lecture: 5:00 pm

Zoom Meeting: <https://fiu.zoom.us/j/96819201560>

Meeting ID: 968 1920 1560 **Passcode:** Y2Ubxp



Abstract:

In this seminar, Prof. Pilitsis will describe her experiences with neurosurgeries for deep brain stimulation for treatment of chronic pain and Parkinson's Disease. This informal discussion is mostly oriented for students to ask questions regarding the surgical constraints for bioelectronic implants, device enhancement needs, challenges and opportunities. The discussion will also focus on new treatment modalities that she has been pioneering, such as minimally invasive catheter-based ultrasound technology or MRI-guided focused ultrasound for brain tumor ablation.

Speaker's Bio

Julie Pilitsis, M.D., Ph.D., M.B.A., is Dean of the Charles E. Schmidt College of Medicine, Vice President for Medical Affairs, and Professor of Neurosurgery at Florida Atlantic University. Prior to joining FAU, Dr. Pilitsis served as division chief of functional neurosurgery and chair and professor of the basic neuroscience department at Albany Medical College (AMC) in New York. As chair of the Department of Neuroscience and Experimental Therapeutics at AMC, Pilitsis oversaw departmental teaching programs, including graduate school, research and outreach programs such as community service, translational research efforts, alumni relations and development. Together with a colleague, she designed an inter-professional (M.D., Ph.D., nursing, allied health) team-based master's degree curriculum in clinical investigation.

For more information, please contact:

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