

# Neural Prosthesis Seminar

## Development of Advanced Neurostimulation Systems

Friday, October 21, 2016 • 8:30 AM

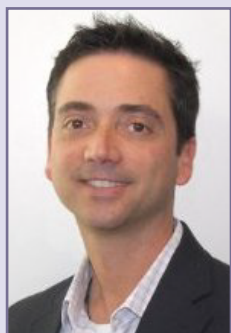
Wolstein Research Building, Room 1413

Case Western Reserve University

# Boston Scientific

Boston Scientific will host an Info Session this Friday. Hear from Rafael Carbanaru, VP of R&D and a University Relations representative and learn more about the company and internship opportunities.

Friday, October 21, 2016 • 2-4:00 PM • Rockefeller 309



### Rafael Carbanaru, PhD

Vice-President Research & Development  
Boston Scientific Neuromodulation

#### Abstract

It is an exciting time in the world of neurostimulation, with accelerating advancements in technology and explorations into different indications.

Boston Scientific has developed innovative systems for Spinal Cord Stimulation (SCS) for the treatment of chronic pain, and Deep Brain Stimulation (DBS) for the treatment of movement disorders. The advanced features are designed to provide more flexibility, control and stability of stimulation of neural tissues, intended to improve these therapies today. This should also allow

the scientific community to further explore and bring meaningful innovation to the neurostimulation space.

Key clinical challenges that these products faced will be described from a basic engineering level in order to inspire the audience to envision the technical solutions of these important therapies.

For those considering a career in industry, the process of turning ideas into commercial products will also be discussed through the roles that different experts play in the development community of the medical device industry.

For more information, please contact Cheryl Dudek  
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Live stream video link for each lecture at [www.FEScenter.org/Seminar](http://www.FEScenter.org/Seminar)