

**Amgen Seminar Series in Chemical Engineering**  
in  
Cherry Auditorium, Kirk Hall, 1 PM

**Presents on December 7, 2017**

**Nanotechnology-based approaches for Imaging and Therapy**

By

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Improved therapeutics and diagnostic tools are needed in the clinic, contributing towards better treatment and survivorship. During this presentation, we will discuss how nanoparticle-based tools can support decision-making through imaging, and provide new insights on how nanoparticles interact with their environment. Overall, we will explore how nanoparticles can serve as sensitive probes, as well as translational platforms for personalized medicine.

Bio: Charalambos “Bambos” Kaittanis, PhD is an Assistant Professor at the Harvard Medical School and Assistant Chemist in the Department of Radiology, Massachusetts General Hospital. His research focuses on the development of imaging platforms that can guide therapy in oncology and brain disorders. Prior to this, he worked at the Memorial Sloan Kettering Cancer Center with Dr. Jan Grimm, and synthesized multifunctional platforms to address the needs of solid-tumor therapy. He received his doctoral training in Biomedical Sciences at the NanoScience Technology Center of UCF, under the mentoring of Dr. J. Manuel Perez, where he developed diagnostic platforms for infectious diseases and cancer. He is a reviewer for several high-impact journals, and an ad hoc NIH study section member.

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