PAP Seminar Announcement

Date: 19 January 2017, Thursday
Time: 2pm – 3.45pm
Venue: Hilbert Space (PAP-02-02)
Host: Assoc Prof Lee Cheow Lei James

Title: Introduction of the DKU Medical Physics program by Danni Shen (2pm – 3pm)

Abstract

Become a leader in the emerging field of Medical Physics, fusing your expertise in physics with improved medical care. This is a dynamic profession that applies the concepts of physics to the diagnosis and treatment of human disease, with career paths that include academic, research and clinical settings. With an advanced degree in Medical Physics, you will be empowered to contribute cutting-edge medical care, whether in China or diverse international spheres. And there’s no better place to receive your professional training than through a program that delivers state-of-the-art classroom instruction and clinical exposure from Duke University, one of the most preeminent educational institutions in the world, with carefully designed study in the United States and China. Build upon your talent for physics and apply it to the real-life needs of medicine- with a Master of Science in Medical Physics (MSc-MP) at Duke Kunshan University. Students successfully completing the requirements of the program will receive a Master of Science degree from Duke University in Durham, NC, USA.

Title: Perspective on Medical Physics by Anna Rodrigues (3pm – 3.45pm)

Abstract

The purpose of this talk is to introduce the educational, research, and professional aspects of Medical Physics from the perspective of a recent Duke Medical Physics graduate. Through my education and research activities in the Duke Medical Physics MSc and PhD program, residency training in the Duke Radiation Therapy Medical Physics Program, and professional activities in the American Association of Physicists in Medicine (AAPM), we will explore tools and skills undergraduate students can cultivate now to prepare for an exciting career in Medical Physicists. In this talk you will learn (a) what a clinical and academic Medical Physicist does, (b) how to prepare for a career in Medical Physics, and (c) what type of research you could do as a Medical Physicist. In particular, my talk will cover my research developing a novel radiation therapy technique called Dynamic Electron Arc Radiotherapy (DEAR), work as the Chair of the AAPM Students and Trainees Subcommittee helping medical physics students and trainees navigate their career paths, and perspective on the professional development from student to physicist.