

An Invitation to Lecture by

Miiri Kotche, Ph.D.

University of Illinois at Chicago



Interdisciplinary Design of Medical Devices

Friday, April 6, 2018

9:00 – 11:00 am

Building IC, Conference room

“User-centered design focuses on engaging stakeholders throughout the development process. My aims are to provide experiential opportunities for students to work on interdisciplinary teams to develop medical devices. By gaining hands-on training on “real world” problems, our engineering students are better prepared for the rapidly changing medical device industry. These projects engage engineering, design, marketing and medical students to address clinical needs in a variety of ways, including industry sponsors, internships, and working in a medical device accelerator lab.”

Dr. Kotche is a Clinical Associate Professor at the Department of Bioengineering at the University of Illinois at Chicago. She received a M.S. in Mechanical Engineering and PhD in Bioengineering from the University of Illinois at Chicago. She directs the Medical Accelerator for Devices Laboratory, or MAD Lab, an interdisciplinary program for engineers, industrial designers, MBA students and medical students that examines early concept generation, market opportunity, and intellectual property considerations. Using a combination of various areas of expertise (Engineering, Medicine, Industrial Design, Business, and Design Research), MAD Lab conducts problem validation, creates concept solutions and provides an understanding of the market opportunity for new ideas.

Dr. Kotche also leads Innovation Medicine, a co-curricular program in the UIC College of Medicine that combines technology and health care, and she is director of a clinical immersion internship program that offers engineering and medical students opportunities to conduct needs assessments in clinical settings.

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