



Stony Brook University

Biomedical Informatics Grand Rounds



Chuan Huang, Ph.D.

Assistant Professor of Radiology, Psychiatry; Director of PET/MR Clinical Research, Stony Brook Medicine

Images are more than nice pictures:

Quantitative Imaging and Machine Learning

Wednesday, October 10, 2018 3pm—4pm

BMI Conference Room HSC-L3 Room 045

Abstract:

In contrast to the traditional practice of treating medical images primarily as pictures for visual interpretation, the development of quantitative imaging including radiomics has been pushing the boundary of extracting useful data from medical images. Such data have been shown to be useful in diagnosis, prognosis, treatment selection. Moreover, the recent development of machine learning has been shown to be extremely useful in the field of medical imaging. In this talk, we will discuss the applications of quantitative imaging and machine learning in cancer research including bench, preclinical and clinical research

Bio:

Dr. Chuan Huang is an Assistant Professor of Radiology and Psychiatry, Director of PET/MR Clinical Research. He is also affiliated with Computer Science and Biomedical Engineering. He graduated from University of Arizona in 2012, Majored in Mathematics, and then joined Massachusetts General Hospital - Harvard Medical School as a postdoctoral fellow. In 2014, he was promoted to Instructor in Harvard Medical School and joined Stony Brook as Assistant Professor in the same year. He has received awards including Society of Nuclear Medicine and Molecular Imaging Young Investigator Honorable Mention (2 times), Brain and Behavior Research Foundation (aka NARSAD) Young Investigator Award. He is a committee member of ISMRM Education Committee. His Medical Image Research & Analysis (MIRA) lab currently has 3 PhD students and has published 8 journal publications so far this year.

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Questions? Please call the Biomedical Informatics Department at 631-638-2590.