

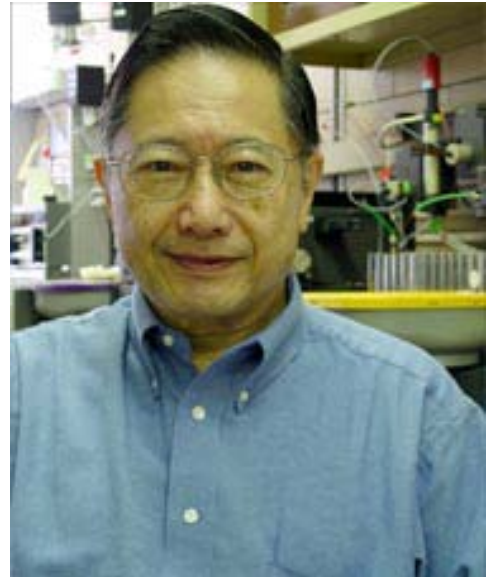


Biomedical Engineering Seminar Series

Johns Hopkins School of Medicine and the Whiting School of Engineering

Chien Ho, PhD

Director, Pittsburgh NMR Center for
Biomedical Research
Professor
Department of Biological Sciences
Carnegie Mellon University



Monday, February 20, 2012, at 1:30

Medicine Campus, Talbot Library, Traylor 709
Video-conferenced to Homewood Campus,
Rome Room, Clark 110

Hosts: Dr. Peter van Zijl and BME PhD
Students of the Hopkins Imaging Initiative

Light lunch will be served in Traylor 709

Iron Oxide Nanoparticles as MRI Contrast Agents to Track Immune Responses

Dr. Ho currently has two well-established research programs.

The goal of research project (1) is to find the molecular basis/mechanism for the cooperative oxygenation of hemoglobin (Hb) by using multi-nuclear nuclear magnetic resonance (NMR) and other biochemical-biophysical techniques to investigate the structural, dynamic, and functional features of the Hb molecule.

The goal of research project (2) is to develop a novel magnetic resonance imaging (MRI) methodology to monitor immune response in vivo using rat models for cardiac transplant rejection. See <http://www.cmu.edu/bio/faculty/ho.html>

Following the seminar there will be an informal "chalk talk" discussion in Talbot Library from 2:30-3:30 pm. Dr. Ho will be answering *Your Questions* .

Please submit your questions by February 15 using the form on the Hopkins Imaging Initiative website:

<http://imaging.jhu.edu/lectures/imaging-seminars-chalk-talks-2011-2012>

Upcoming Seminars

February 27: Michael Smith, Boston University

March 5: Graham Wright, University of Toronto

<http://www.hopkinsmedicine.org/ibbs/news/events.html>

<http://www.hopkinsmedicine.org/scical>

<http://www.bme.jhu.edu>

For more information call 410-955-3132