



**The Consulate-General
of Japan in Boston**



**Synergistic collaboration between
device-focused Japanese R&D and system-focused US R&D**

“How to Catch a Wave in Medical Robotics”

by

Dr. Nobuhiko Hata

Associate Professor of Radiology

Brigham and Women’s Hospital and Harvard Medical School

The Consulate General of Japan in Boston and The Massachusetts Life Sciences Center cordially invite you to attend an exclusive seminar “How to Catch a Wave in Medical Robotics” presented by Dr. Nobuhiko Hata, a prominent Japanese researcher at Brigham & Women's Hospital.

Medical robotics is emerging as an enabling technology for a minimally invasive alternative to traditional treatment. Commercial success of robotized high-dexterity tools in laparoscopy has ignited world-wide commercial interest to explore the business opportunity of medical robotics and image-guided therapies. Dr. Hata will address the potential of medical robotics, its future direction, and its unmet needs based on his own experience of developing and deploying medical robots and associated technology. In particular, he will present his recent successful experience in US-Japan collaborations in medical robotics research that produced commercial deployment of affiliated technology. He will highlight the complementary strengths of US and Japanese research and development, the former being more strong in software and system development, and the latter being more focused on device research.

Date : March 2, 2012

<Time Schedule>

18:00 – 18:30 Registration

18:30 – 19:45 Seminar

19:45 – 21:00 Reception (A complimentary dinner will be provided by the Consulate)

Venue: Official Residence of the Consul General of Japan in Boston

(142 Clyde Street, Chestnut Hill, MA 02467-2902)

RSVP: Email to Mariko Yanagita (jresearchers@cgjbos.org) with your name, affiliation, position, and email address by **Thursday, February 23, 2012**

(As space is limited, it will be first come first serve.)

Speaker Profile:



Dr. Nobuhiko Hata was born in Kobe, Japan. He received a B.E. degree in precision machinery engineering in 1993 from School of Engineering, The University of Tokyo, Japan, and a M.E. and a Doctor of Engineering degree in precision machinery engineering in 1995 and 1998 respectively, also in the Graduate School of Engineering, The University of Tokyo.

He is currently an Associate Professor of Radiology at Harvard Medical School and Technical Director of Image Guided Therapy Program, Brigham and Women's Hospital. He started his career at Brigham and Women's Hospital initially as a research fellow in 1995, then became Instructor of Radiology in 2000 and Assistant Professor of Radiology in 2005. In 2008, he founded a research group called Surgical Navigation and Robotics Laboratory, under the Image Guided Therapy Program.

In the Image Guided Therapy Program and Surgical Navigation and Robotics Laboratory, he continues to work on medical image processing and robotics in image-guided surgery. His major achievements include neurosurgical navigation combined with ultrasound imaging, surgical robot for magnetic resonance imager, and motion-adaptable surgical robot for image-guided therapy. More importantly, he developed key technologies in many "the first" therapy in MRI-guided therapy; MR-guided prostate biopsy, MR-guided laser ablation therapy of brain tumor, and MR-guided microwave ablation therapy of liver tumor. In total, he has co-authored 49 original articles and has been involved in 11 federal and non-federal grants during the course of his research career.

Contact:

Mariko YANAGITA
Researcher/Adviser
Consulate General of Japan in Boston

Federal Reserve Plaza 22nd Floor
600 Atlantic Ave
Boston, MA 02210
Phone:+1-617-973-9772(ex. 146)
Fax:+1-617-542-1329

<http://www.boston.us.emb-japan.go.jp/>