



Embassy of  
**J**apan  
in the UK



東京工業大学  
Tokyo Institute of Technology



## PERSONAL INVITATION

The Embassy of Japan requests the pleasure of your company at the

### **Japan-UK Joint Workshop on Life Science and Biomedical Engineering**

Deeper cooperation between industry, academia and government is needed to promote technological innovation in the field of advanced medical technology based on life science and biomedical engineering. Clusters in the biomedical field are expected to play an important role, both in Japan and the UK, efforts towards achieving real innovation are taking place in such clusters. Cooperation between clusters is also anticipated to promote both countries' biomedical industries, and lead to mutual investment.

With the aim of further promoting Japan-UK cooperation in the field of bio-engineering, particularly, in the development of biomedical devices and equipment for bio-sensing and bio-imaging, the Embassy of Japan will co-host a workshop titled "Japan-UK Joint Workshop on Life Science and Biomedical Engineering", bringing together leading Japanese and UK experts.

This event will consist of cutting-edge presentations introducing recent research trends in the UK and Japan, and will be followed by discussion on future collaboration and investment opportunities between the two countries.

We would be delighted if you could attend this symposium. A reception is also arranged for a more relaxed opportunity to network, meet fellow participants and exchange information.

on **Thursday, 3rd December 2015**

Seminar: **14:15**

followed by a networking reception from **18:00**

at the **Embassy of Japan**, 101/104 Piccadilly, London W1J 7JT

Please register at <https://www.jetro.go.jp/form5/pub/ldn/workshop20151203>

by Tuesday 1st December

Please note that registration prior to the event is essential.  
You will be asked to present a print-out of your confirmation email together with photographic identification upon entry to the Embassy of Japan for security purposes, and to have your belongings scanned by security equipment.

## Draft Programme

Please note that the programme may change without prior notice

- 13:45** Doors open  
**14:15 – 14:30** Opening remarks – Ambassador of Japan  
The UK Government

### **Session 1 Efforts towards innovation from clusters in Japan and the UK**

- 14:30 – 14:45** Ms. Sarah Haywood, Chief Operating Officer of MedCity  
**14:45 – 15:00** Mr. Kentaro Yamaguchi,  
Bureau for promoting "Healthcare New Frontier", Kanagawa prefectural government, Japan

### **Session 2 Latest trends and future of biomedical sensing and imaging in Japan and the UK**

- 15:00 – 15:15** Prof. Quentin Pankhurst, University College London  
“Biomedical Applications of Magnetic Nanoparticles”  
**15:15 – 15:30** Prof. Tony Cass, Imperial College London  
“Engineering Nucleic Acid Aptamers for Healthcare Applications”  
**15:30 – 15:45** Prof. Eiry Kobatake, Tokyo Institute of Technology  
“Design of DNA-Protein Hybrid Molecules for Biosensing”  
**15:45 – 16:00** **Coffee break**  
**16:00 – 16:15** Dr. Adrien Desjardins, University College London  
“Optical ultrasound and photoacoustic imaging for guiding minimally invasive procedures”  
**16:15 – 16:30** Prof. Sergei G. Kazarian, Imperial College London  
“Spectroscopic imaging for biomedical research”  
**16:30 – 16:45** Prof. Natsue Yoshimura, Tokyo Institute of Technology  
“The possibility of electroencephalography signals  
towards non-invasive brain-machine interfaces”

### **Session 3 Industrial Collaboration between Japan and the UK**

- 16:45 – 17:30** Presentations from Japanese companies and UK Companies, Touchlight Genetics Ltd.  
(The programme will be updated soon)

### **Q&A / Discussion**

- 17:30 – 17:55** Promoting innovation in Japan and the UK, and future investment  
**17:55 – 18:00** Closing Remarks – Professor Susumu Kajiwara, Tokyo Institute of Technology  
**18:00 -** Networking Reception