The AIST International Imaging Workshop is a residential one-week course held at the Biomedical Research Institute, AIST offering a wide range (from the principles of light microscopy to super resolution imaging) of microscopy training to young talented researchers. Participants will be trained through hands-on practical sessions in several critical and important issues related to imaging technologies.

**Who can join?**
The course is suitable for both beginners and experienced users wanting to gain a greater understanding of the microscope. Students are selected through recommendation from their supervisor internationally from a range of backgrounds. Preference will be given to masters and doctoral level students. The course will have a maximum of 10 delegates.

**Language?**
The course, including the course materials, will be conducted in English.

**Support?**
Selected candidates will be provided (1) Travel (return) by economy class through the most direct route from the home institute to AIST Japan, (2) Single room accommodation at the AIST Guest House and (3) Allowance to cover the daily meals.

### Details

1. **Human Cell Culture and Imaging - Basic Tools and Application for Drug Discovery**
2. **Bioluminescence - Basics and Applications**
3. **Live-cell and Animal Imaging - Basic Tools and Application for Drug Discovery**
4. **Introduction - High Resolution Imaging Tools**
   - Laser Confocal Microscope
   - Electron Microscope
   - Super Resolution Microscope

### Program

**January 26 - Arrival, Reception & Networking**

**January 27 - Orientation for Laboratory Safety and Security. Human Cell Culture and Imaging Based Drug Discovery.**

**January 28 – Live-cell Imaging & Introduction of High Resolution Imaging Tools**

Symposium- “Imaging Tools & Technologies-based Innovations”

**Poster Presentation & Awards**

**January 29 - Bioluminescence Assays, Networking**

**January 30 – Report submission and Departure**

**Instructors:** Y. Ohmiya, T. Katoh, T. Ebihara, T. Ochiishi, Y. Sasaki, K. Kiyosue, T. Tomita, Y. Shinkai, H. Inagaki, K. Ogawa and M. Doi

**Organizers:** Y. Ohmiya, R. Wadhwa, Y. Onishi, M. Doi and S. Kaul

**Deadline for application - December 25, 2019**

For further information: s-kaul@aist.go.jp
Lecture and Hands-on training Jan 28, 2020