

Program of 2024 Intense Course in Basic Science Fundamentals & Multidisciplinary Seminars

■ Tuesday, September 10

- 14:00-15:20 **Introduction of How to Handle Laboratory Animals (In Japanese)**
Toshifumi Morimura, Hideaki Tsuchiya (Research Center for Animal Life Science)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 15:30-16:50 **Overview of Immunohistochemistry and Histochemistry (In English)**
Kinji Asahina (Central Research Laboratory (CRL))
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 17:00-18:20 **Preparation of tissue sections from frozen and paraffin blocks (In English/Japanese)**
Kinji Asahina, Takefumi Yamamoto, Yasuhiro Mori, Tokio Terado, Kumi Okamoto,
Sachiko Fukunaga (CRL)
Microscopy Sample Preparation Room #2, 4th floor, CRL [[on-site](#)]

■ Wednesday, September 11

- 14:00-15:20 **Practical Use of MMC and IT Security for Medical Research (In Japanese)**
Kenji Shigetoshi, Takashi Ashihara (MultiMedia Center)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 15:30-16:50 **Introduction to Modern Confocal Microscopy and its Applications (In English)**
Claudia Florindo, Toshiyuki Watanabe (Andor Technology, Oxford Instruments)
Asahina K, Yamamoto T (CRL)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 17:00-18:20 **Observation of Tissue Sections Using Microscope (In English/Japanese)**
Asahina K, Yamamoto T, Mori Y, Terado T, Okamoto K, Fukunaga S (CRL)
Confocal Laser Scanning Microscope Lab #2 & #4, 4th floor, CRL [[on-site](#)]

■ Thursday, September 12

- 14:00-15:20 **Principle and Application of Nuclear Magnetic Resonance Spectroscopy (In Japanese)**
Yasuyuki Mori, Yoshio Furusho (Division of Chemistry)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 15:30-16:50 **Cytometry and Fluorescence Activated Cell Sorter (In English)**
Mariko Ikuo, Yoshiyasu Ooie (Nippon Becton Dickinson), Asahina K, Mori Y (CRL)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 17:00-18:20 **Cytometry and Fluorescence Activated Cell Sorter (In English/Japanese)**
Ikuo M, Ooie Y (Nippon Becton Dickinson), Asahina K, Yamamoto T, Mori Y, Terado T,
Okamoto K, Fukunaga S (CRL)
Cell Engineering Lab #4, 4th floor, Central Research Laboratory [[on-site](#)]

■ Friday, September 13

- 14:00-15:20 **Introduction to magnetic resonance imaging (MRI) in animals (In Japanese)**
Atsushi Yamada (Medical Innovation Research Center)
Lecture Room A, 2nd floor, Basic Lecture and Practice Building [[on-site/zoom/video](#)]
- 15:30-16:50 **Introduction of Bioinformatics - Next Generation Sequencer and RNA-seq (In Japanese)**
Yosuke Kadota, Takashi Ashihara (Information Technology and Management Center)
MultiMedia Center, 1st floor, Browsing room [[on-site](#)]
- 17:00-18:20 **Cell culture and passaging (In English/Japanese)**
Asahina K, Yamamoto T, Mori Y, Terado T, Okamoto K, Fukunaga S (CRL)
Cell Culture Room, 4th floor, Central Research Laboratory [[on-site](#)]