

Program of 2019 An Intensive Course in  
Basic Science Fundamentals & Multidisciplinary Seminars

【 1st day: Sep 3 (Tue) 】

- 14:00-15:20 Visualize it (Lecture (in English))  
– Overview of Immunohistochemistry and Histochemistry –  
BELLIER Jean-Pierre (Molecular Neuroscience Research Center)
- 15:30-16:50 Safety operation for centrifuges (Lecture (in English))
- 17:00-18:20 Safety operation for centrifuges (Practice)  
Masafumi Suzaki, Noboru Urushiyama, Yukiko Koyama,  
Takuya Nakase (Central Research Laboratory)  
Collaborator: Beckman Coulter, Inc.

【 2nd day: Sep 4 (Wed) 】

- 14:00-15:20 How to Use Laser Scanning Microscope SP8 (Lecture (in English))  
Takefumi Yamamoto, Yasuhiro Mori (Central Research Laboratory)  
Collaborator: Leica Microsystems, Inc.
- 15:30-16:50 How to Use Flow Cytometer and Cell Sorter (Lecture)
- 17:00-18:20 How to Use Flow Cytometer and Cell Sorter (Practice)  
Takefumi Yamamoto, Yasuhiro Mori (Central Research Laboratory)  
Collaborator: Nippon Becton, Dickinson and Company, Ltd.

【 3rd day: Sep 5 (Thu) 】

- 14:00-15:20 Real-time quantitative PCR (Lecture)
- 15:30-16:50 Real-time quantitative PCR (Practice)  
Takahiro Isono, Masafumi Suzaki, Toshinaga Maeda,  
Takuya Nakase (Central Research Laboratory)  
Collaborator: Nippon Genetics Co, Ltd.
- 17:00-18:20 Radioisotope Experiments (Practice) \*1  
– How to Use Beta IMAGER System & Liquid Scintillation Counter –  
Toshinaga Maeda, Nobutoshi Fukuhori, Yukiko Koyama,  
Takuya Nakase (Central Research Laboratory)  
Collaborator: SOWA Trading Co., Inc., PerkinElmer Japan, Co., Ltd.

【 4th day: Sep 6 (Fri) 】

- 14:00-15:20 Introduce how to use laboratory animals in Research Center for Animal Life Science (Lecture)  
Hideaki Tsuchiya, Shinichiro Nakamura  
(Research Center for Animal Life Science)
- 15:30-16:50 How to Use a Micropipette Correctly (Lecture)  
Takahiro Isono (Central Research Laboratory)  
Collaborator: LMS Co., Ltd.
- 17:00-18:20 Practical Use of MMC and IT Security for Medical Research (Lecture) \*2  
Kenji Shigetoshi (MultiMedia Center)

Place of seminar:

\*1: RI Research Facility, 2nd floor, Central Research Laboratory Build.

\*2: Practice Room, 1st floor, Multimedia Center

Others: Staff Lobby, 2nd floor, Basic Medicine Education & Research Build.