

**Program of 2021 Intensive Course in
Basic Science Fundamentals & Multidisciplinary Seminars**

1st day: Sep 14 (Tue)

- 14:00-15:20 Visualize it (Lecture (in English)) [on-site•Zoom•video]
- Overview of Immunohistochemistry and Histochemistry -
BELLIER Jean-Pierre (Molecular Neuroscience Research Center)
- 15:30-16:50 Safety operation for centrifuges I (Lecture (in English))
[on-site•Zoom•video]
- 17:00-18:20 Safety operation for centrifuges II (Practice (in Japanese & English)) [on-site] *1
Hisakazu Ogita, Kinji Asahina, Masafumi Suzuki, Noboru Urushiyama,
Yukiko Koyama, Takuya Nakase (Central Research Laboratory)
Collaborator: Beckman Coulter, Inc.

2nd day: Sep 15 (Wed)

- 14:00-15:20 How to Use Laser Scanning Confocal Microscope TCS SP8 (Lecture (in English))
[on-site•Zoom•video]
Hisakazu Ogita, Kinji Asahina, Takefumi Yamamoto, Yasuhiro Mori
(Central Research Laboratory)
Collaborator: Leica Microsystems, Inc.
- 15:30-16:50 How to Use Flow Cytometer and Cell Sorter I (Lecture) [on-site•Zoom•video]
- 17:00-18:20 How to Use Flow Cytometer and Cell Sorter II (Practice) [on-site] *2
Hisakazu Ogita, Kinji Asahina, Takefumi Yamamoto, Yasuhiro Mori
(Central Research Laboratory)
Collaborator: Nippon Becton Dickinson Company, Ltd.

3rd day: Sep 16 (Thu)

- 14:00-15:20 Real-time quantitative PCR I (Lecture) [on-site•Zoom•video]
- 15:30-16:50 Real-time quantitative PCR II (Practice) [on-site] *3
Hisakazu Ogita, Kinji Asahina, Masafumi Suzuki, Takuya Nakase
(Central Research Laboratory)
Collaborator: Nippon Genetics Co, Ltd.
- 17:00-18:20 Radioisotope Experiments (Lecture) [on-site•Zoom•video]
Hisakazu Ogita, Kinji Asahina, Nobutoshi Fukuhori, Yasuhiro Mori
Yukiko Koyama, Takuya Nakase (Central Research Laboratory)

4th day: Sep 17 (Fri)

- 14:00-15:20 Introduce how to use laboratory animals in Research Center for Animal Life
Science (Lecture) [on-site•Zoom•video]
Toshifumi Morimura, Hideaki Tsuchiya
(Research Center for Animal Life Science)
- 17:00-18:20 Practical Use of MMC and IT Security for Medical Research (Lecture)
[on-site•Zoom•video]
Kenji Shigetoshi (MultiMedia Center)

*1: Centrifuge Room, 2nd floor, Central Research Laboratory

*2: Cell Engineering Lab #4, 4th floor, Central Research Laboratory

*3: Molecular Biological Analysis Lab, 2nd floor, Central Research Laboratory

Others: Lecture Room B, 2nd floor, Basic Lecture and Practice Building