

FY2021 JH Interdisciplinary Research Promotion Fund
"Construction of 6NC common educational platform" project

Introduction of "Ethical Education Training Contents for Animal Experiments"

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Necessity of undergoing education and training in order to conduct appropriate animal experiments, etc.

Basic guidelines for conducting animal experiments, etc. at institutions under the jurisdiction of the Ministry of Health, Labor and Welfare (Partially revised on June 1, 2006 and February 20, 2015)

The director of the implementing institution shall instruct the animal experimenter and other persons involved in the care, custody, etc. of experimental animals (hereinafter referred to as "animal experimenter, etc.") to conduct appropriate animal experiments, etc. and implementation of education and training to acquire knowledge about storage. In addition, take necessary measures to improve the qualifications of those conducting animal experiments.

What is the specific basic knowledge required? ?

- (1) Related laws and regulations, guidelines, center (internal) regulations, etc.
- (2) Basic matters concerning methods of animal experiments, etc. (Example: anesthesia, euthanasia, etc.)
- (3) Basic matters concerning the care and storage of laboratory animals (Example: Handling of experimental animals, etc.)
- (4) Items related to ensuring safety and safety management (e.g. infectious diseases common to humans and animals, etc.)
- (5) Other matters related to implementation of appropriate animal experiments (e.g. planning of experiments, 3Rs of animal experiments, etc.))



List of Lectures for Ethics Education and Training on Animal Experiments

	Lecture name	Educator
1	Related laws and regulations related to laboratory animals and animal experiments	Toshio Imai (National Cancer Center Research Institute Animal Experimental Facility)
2	Basic matters concerning methods of animal experiments, etc.	Kyoko Shioya(Animal Experiment Management Office, Research Promotion Support Department, National Cerebral and Cardiovascular Center)
3	Pain level classification and perioperative management of animal experimental procedures	Kazuhiro Yamamoto (Laboratory Animal Management Office, National Center for Psychiatry and Neurology)
4	Humane Endpoints and Euthanasia in Animal Experiments	Kazuhiro Yamamoto (Laboratory Animal Management Office, National Center for Psychiatry and Neurology)
5	Fundamentals of anesthesia for laboratory animals	Tadashi Okamura (National Center for Global Health and Medicine Research Institute Animal Experimental Facility)
6	Characteristics of triple mixed anesthetics	Tadashi Okamura (National Center for Global Health and Medicine Research Institute Animal Experimental Facility)
7	Introduction to anesthesia for medium-sized animals (dogs and pigs)	Kenjiro Konno (Animal Experiment Management Office, Research Promotion Support Department, National Cerebral and Cardiovascular Center)
8	Euthanasia method for laboratory animals	Tadashi Okamura (National Center for Global Health and Medicine Research Institute Animal Experimental Facility)
9	Matters concerning safety assurance and safety management related to animal experiments, experimental animals, facilities, etc.	Noboru Ogiso (Laboratory Animal Management Office, Research Institute, National Center for Geriatrics and Gerontology)
10	Experimental Animal Welfare -Environmental Enrichment (Focusing on Rodents)-	Noboru Ogiso (Laboratory Animal Management Office, Research Institute, National Center for Geriatrics and Gerontology)
11	Infectious diseases in laboratory animals	Hideki Tsumura (Laboratory Animal Management Office, Research Institute, National Center for Child Health and Development)
12	Zoonotic disease	Hideki Tsumura (Laboratory Animal Management Office, Research Institute, National Center for Child Health and Development)
13	Regulation of genetically modified organisms and pathogens	Takashi Hamabata (Bacterial Infection Laboratory, National Center for Global Health and Medicine)