

Support institution: Small animal supply & animal model development Center

AMED SCA

Central Institute for Experimental Medicine and Life Science: CIEM

Japan Initiative for World-leading Vaccine Research and Development Center

R&D Overview



Makoto SUEMATSU, Director, CIEM < Support >

Our role in this project is to provide small laboratory animals necessary for vaccine development against various infectious diseases to the researchers of a flagship center and synergy centers. Additionally, we will develop new experimental animal models for vaccine development. To achieve this, we will undertake the following initiatives:

☞ to provide appropriate experimental animals for various infectious diseases

- 1) Collection, preservation and supply of experimental animals, and their database creation and the publication on the internet
- 2) Rapid production and supply of genetically modified animals
- 3) Development of new technologies

<Advanced research>

- To develop new infectious disease models
- 1) Development of a mouse model with human lung
- 2) Development of a mouse model with human liver
- Development of marmoset models genetically modified or genome-editing technologies









