

## R&D Overview



Makoto SUEMATSU,  
Director, CIEM

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:

### <Support>

👉 **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
- 3) Development of marmoset models genetically modified or genome-editing technologies



Humanized NOG mice