

Providing technical information

- In-Vivo Science Inc. provides technical information based on the extensive experience of CIEA (Central Institute for Experimental Animals) through web conference. Please feel free to contact us.
- Technical information includes:
 - ✓ Information on the characteristics of NOG and next-generation NOG mice.
 - ✓ Experimental methods using NOG and next-generation NOG mice.
For example, establishing PDX tumors, differences between severely immunodeficient mice, NOD-scid and nude mice.
 - ✓ Know-how for establishment of humanized mice.
Differences in phenotype due to transferred immune cells, strains, donors, etc.
Also, the number of cells to be transferred, X-ray irradiation conditions, etc.
 - ✓ Technical information based on experience in actual anti-tumor drug efficacy testing conducted at CIEA.

Seminar on NOG, next-generation NOG, and humanized mice

- In-Vivo Science Inc. has seminars providing technical information under the following programs by web conference.
- We can conduct even just one person. Please feel free to contact us.

Program overview :

NOG and NSG mice, which are severely immunodeficient, are commonly used as tools for cancer, immunology and/or regenerative medicine research.

However, in some experiments, the model could not be created as expected, and further improvements were desired.

We would like to introduce the characteristics and usefulness of the next-generation NOG mice with severe immunodeficiency, which has been improved so far.

At the same time, we will introduce the characteristics of humanized mice and experimental methods.

■ Program :

Introduction to the use of humanized NOG and humanized next-generation NOG mice as human cancer/immunology research tools

- ① Antitumor effects of immune checkpoint inhibitors using hHSC-engrafted NOG mice.
- ② Improvement of myeloid cell differentiation in hHSC-engrafted NOG-EXL (NOG-hGM-CSF/hIL-3 Tg) mice.
- ③ Antitumor effect of PD-1 inhibitor in hPBMC engrafted NOG-ΔMHC (NOG-Iab KO, B2m KO2) mice.
- ④ Antitumor evaluation model of anti-human PD-1 antibody using antibody receptor-deficient FcResolv NOG (NOG-FcγR KO) mice.
- ⑤ In vivo ADCC activity evaluation model using NOG-hIL-2Tg NOG, IL-15Tg NOG mice .

➤ Contact : In-Vivo Science Inc.

- Please contact us from Contact form on webpage :
<https://www.invivoscience.com/contact/>