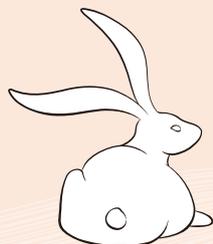
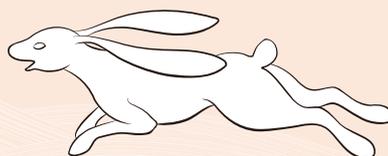
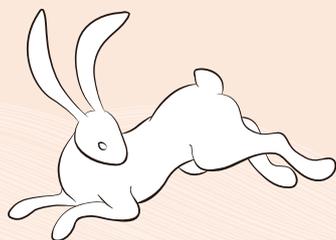
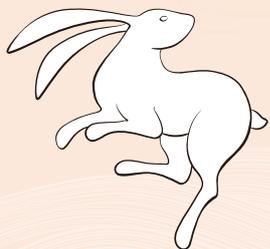


7th International Congress on Rabbit Biotechnology 2017

August 25-27, 2017

Hotel Kaiji, Isawa, Yamanashi, Japan



Welcome Message

Rabbits have been long used for many fields in human bioscience and agriculture. As an animal model, rabbits have made a great contribution to antibody production and understanding human disease and development of therapeutics. Therefore, it is essential for researchers to grasp both basic and modern knowledge about this species. The first transgenic rabbits were produced by microinjection in 1980, whereas knock-out rabbits now have emerged as another important model since 2011 due to the appearance of ZFN, TALEN and CRISPR-Cas9 technology. In 2014 and 2016, two groups have successfully completed genomic analysis of rabbits (European rabbits, New Zealand white rabbits, Japanese white rabbits, and Watanabe heritable hyperlipidemic rabbits) along with RNA sequencing of many organs with metabolic disorders and atherosclerosis.

The International Congress on Rabbit Biotechnology was first held in University of Tsukuba, Japan in 2005 aiming to enhance the use of transgenic rabbits for medical research. After that, this meeting was organized every two years in Jouy en Josas (France), Xi'an (China), Budapest (Hungary), Shanghai (China), and Lyon (France). This is an interdisciplinary meeting because we exchange all information on rabbit research among industry and academia.

This year, we planned to have this meeting held in Yamanashi, the most beautiful and famous place in Japan for the Mt. Fuji (the world heritage in 2014). Therefore, at this meeting, you can learn not only state of the art information on rabbit research but also enjoy visiting the Mt. Fuji. Yamanashi is also famous for sweet fruits and delicious wine in addition to Japanese historic sites. We welcome all of you to attend this compact and informative meeting in Yamanashi and spend a wonderful time in Japan.

Jianglin Fan

University of Yamanashi

Congress Chair

Organizing Committee

General Information

Dates

25 – 27 August, 2017

Venue

Hotel Kaiji

1607-40 Kawanakajima, Isawa, Fuefuki, Yamanashi, Japan

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<http://www.kaiji.co.jp/>

Congress language

The official language of the Congress is English.

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Jianglin Fan (University of Yamanashi, Japan)

Luca Fontanesi (University of Bologna, Italy)

Liangxue Lai (Chinese Academy of Science, China)

Local Organizing Committee

Jianglin Fan (University of Yamanashi, Japan)

Shin-ichiro Katsuda (Fukushima Medical University, Japan)

Shuji Kitajima (Saga University, Japan)

Kazutoshi Nishijima (Akita University, Japan)

Masashi Shiomi (Kobe University, Japan)

Atsushi Yamashita (University of Miyazaki, Japan)

Program

August 25 (Friday)

- 15:00 - 18:00 **Registration**
18:00 - 19:00 **Welcome Party**

August 26 (Saturday)

- 09:00 - 09:05 **Opening Remarks (Jianglin Fan)**
09:05 - 09:50 **Keynote Lecture**
(Moderator: Jianglin Fan, University of Yamanashi, Japan)
Rabbit models for translational research
Y. Eugene Chen, University of Michigan Medical Center, USA
- 09:50 - 10:50 **Invited Lectures**
(Moderator: Shuji Kitajima, Saga University, Japan)
Insights into the genetics of animal domestication using rabbits
Miguel Carneiro, Universidade do Porto, Portugal
A rabbit model of MODY2 generated by CRISPR/Cas9-mediated glucokinase (*GCK*) knockout
Liangxue Lai, Chinese Academy of Science, China
- 10:50 - 11:10 **Coffee Break**
- 11:10 - 11:50 **Oral Presentations**
(Moderator: Kazutoshi Nishijima, Akita University, Japan)
Mutations within the *FGF5* gene are associated with long-hair phenotype in rabbits
Rong Wang, Xi'an Jiaotong University, China
Cholesteryl Ester Transfer Protein Deficiency Protects Diet-induced Atherosclerosis in Rabbits
Jifeng Zhang, University of Michigan Medical Center, USA
- 12:00 - 13:30 **Lunch**
- 13:30 - 14:30 **Joint Meeting Lectures of Non-rodent Animal Models**
(Moderator: Atsushi Yamashita, Miyazaki University, Japan)
The world's smallest microminipig and its clone: A novel atherosclerosis-prone miniature pig
Akihide Tanimoto, Kagoshima University, Japan
Toxicology of ZnO Nanoparticles on Zebrafishes
Li Li, Harbin Institute of Technology, China
- 14:30 - 14:35 **Group Photo**

14:35 - 15:15 **Poster Viewing and Coffee Break**

Reliability of diffusion weighted magnetic resonance imaging on qualitative detection of deep vein thrombus

Toshihiro Gi et al., Miyazaki University, Japan

Effect of inhibin antiserum administration and vulva color on superovulation in rabbit

Kazutoshi Nishijima et al., Akita University, Japan

Comparison of cryoprotectants for ultra-rapid vitrification (Cryotop method) in rabbit embryos

Fumikazu Matsuhisa et al., Saga University, Japan

Increased hepatic expression of endothelial lipase inhibits cholesterol diet-induced hypercholesterolemia and atherosclerosis in transgenic rabbits

Chuan Wang et al., University of Yamanashi, Japan

Bisphenol A exposure induces metabolic disorders in hyperlipidemic rabbits

Sijun Dong et al., Chinese Academy of Science, China

Characterization of Myocardial Infarction-Prone Watanabe heritable hyperlipidemic (WHHLMI) rabbits using imaging

Heejaung Kim et al., DGMIF, Korea

Premature termination codon (PTC) mutation in Fibrillin-1 (FBN1) induce Marfan syndrome (MFS) with lipodystrophy in rabbit

Mao Chen et al., Jilin University, China

A rabbit model of MODY2 generated by CRISPR/Cas9-mediated glucokinase (GCK) knockout

Yuning Song et al., Jilin University, China

15:15 - 16:15 **Invited Lectures**

(Moderator: Jifeng Zhang, University of Michigan Medical Center, USA)

Gene targeting experiments in rabbits for agricultural and medical research

László Hiripi, NARIC-Agricultural Biotechnology Institute, Hungary

Shaping the rabbit genome: a landscape of relicts of natural and human driven evolution

Luca Fontanesi, University of Bologna, Italy

16:15 - 16:20 **Closing Remarks (Jianglin Fan)**

18:00 - 20:00 **Dinner**

August 27 (Sunday)

10:00 ~ 12:00 **Administrative meetings**

Acknowledgements

The Organizing Committee would like to express their gratitude and acknowledgement to the following companies for their generous support in the 7th International Congress of Rabbit Biotechnology 2017.

Astellas Pharma Inc.

アステラス製薬株式会社

Guangzhou Sande Medical Technology Co., Ltd.

广州三得医疗科技有限公司

Immuno-Biological Laboratories Co., Ltd.

株式会社 免疫生物研究所

Japan SLC, Inc.

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北山ラベス株式会社

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