

# The Third International Meeting on Rabbit Biotechnology

Jun 4-5, 2009. Xi'an, China



Xi'an Jiaotong University School of Medicine



# Program Agenda

**Thursday, June 4 English Session**    **Venue:** Cherry Hall (櫻花厅) the third floor of Oriental Hotel Xi'an

8:30~	Registration			
9:35~	Symposium Opening <b>Enqi Liu</b> (Xi'an Jiaotong University)			
9:45~	Welcome Remarks <b>Ke Sun</b> (Science and Technology Department of Shaanxi Province) <b>Jianqun Yan</b> (Xi'an Jiaotong University)			
<b>Symposium 1: Rabbit Genome and Cloning</b> <b>Moderators:</b> <b>Jianglin Fan (Japan)</b> <b>Szuzanna Bosze (Hungary)</b>				
10:00~	Current status of rabbit genome and genomics <b>Claire Rogel-Gaillard (France)</b> 10:00~	Current status of rabbit embryonic stem cells: where are we and where can we go? <b>Arata Honda (Japan)</b> 10:40~	Rabbit cloning: current status and future perspectives <b>Shangang Li (Germany)</b> 11:20~	
12:00~	Lunch <b>Chang Le Hall (长乐厅)</b> the second floor of Oriental Hotel Xi'an			
<b>Symposium 2: Rabbit Transgenesis and Applications</b> <b>Moderators:</b> <b>Claire Rogel-Gaillard (France)</b> <b>Masashi Shiomi (Japan)</b>				
13:00~	Transgenic rabbits produced by Lenti-virus technology <b>Szuzanna Bosze (Hungary)</b> 13:00~	Transgenic rabbits for translational research <b>Jianglin Fan (Japan)</b> 13:40~	$\beta$ -amyloid 1-42 Peptide Immunization in a Rabbit Model of Alzheimer's Disease <b>Richard Coico (USA)</b> 14:20~	WHHL rabbits, history and applications <b>Masashi Shiomi (Japan)</b> 15:00~
15:20~	Coffee Break			
<b>Symposium 3: Rabbit Breeding and Reproduction</b> <b>Moderators:</b> <b>Enqi Liu (China)</b> <b>Shuji Kitajima (Japan)</b>				
15:40~	Technology suitable for rabbit semen conservation <b>Shuji Kitajima (Japan)</b> 15:40~	Levels and patterns of genetic diversity among and within rabbit domestic breeds <b>Pedro José Esteves (Portugal)</b> 16:00~	Research progress of SPF rabbit cultivation and biological characteristics in China <b>Ke Liu (China)</b> 16:30~	Toll-like receptor 3 upregulation in macrophages participates in the initiation and maintenance of pristane-induced arthritis in rats <b>Shemin Lu (China)</b> 17:00~
17:30~	Poster Viewing			
18:30~	Welcome Banquet <b>Chang Le Hall (长乐厅)</b> the second floor of Oriental Hotel Xi'an			

**Thursday, June 5 Chinese Session Venue: Cherry Hall (樱花厅) the third floor of Oriental Hotel Xi'an**

8:30~	<b>Moderators:</b> <b>Jianglin Fan</b> (University of Yamanashi) <b>Enqi Liu</b> (Xi'an Jiaotong University)			
<b>Symposium 1: Special Lecture and the Current Status of Rabbit Study</b>				
8:40~	Current Status of Mini-swine in China <b>Hong Wei (Chongqing)</b> 8:40~	Rabbit Model for Human Atherosclerosis <b>Enqi Liu (Shaanxi)</b> 9:10~	Applications of transgenic rabbits in biomedical research <b>Sihai Zhao (Shaanxi)</b> 9:20~	
<b>Symposium 2: Rabbit Models for Human Diseases</b>				
9:30~	Study on Histological and Bio-mechanical Change of Rabbits' Compound Leg Fracture after Local Radiation <b>Xinze Ran (Chongqing)</b> 9:30~	Impact of BMP and TGF- $\beta$ 1 Expression on Healing of Rabbit's Fracture combined with Radiation Injury <b>Aiping Wang (Chongqing)</b> 9:40~	A Rabbit Iliac Artery Model of Stent Implantation in Both Left and Right <b>Qian xin (Beijing)</b> 9:50~	C-reactive protein is associated with experimental stroke in rabbits <b>Qi Yu (Shaanxi)</b> 10:00~
10:10~	Coffee Break			
<b>Symposium 3: New Technology in Rabbit</b>				
10:20~	Using Rabbit Plasma as a Substitute of Human Plasma for PTT and PT Evaluation of the Medical Devices and Materials Contacting With Blood <b>Tun Yuan (SiChuan)</b> 10:20~	Isolated and Cultured MSC of New Born Rabbit as a Model to Study the Interacton between Captopril and Stem Cells <b>Jing Shan (SiChuan)</b> 10:30~	The Examination of the Rabbits' Eyes with Slit-lamp Microscope <b>Liming Zhu (Beijing)</b> 10:40~	
<b>Symposium 3: Rabbit Breeding and Reproduction</b>				
10:50~	Comparison of Hematological and Biochemical Parameters of SPF and Conventional New Zealand Rabbits <b>Wang Gang (Guangdong)</b> 10:50~	Determination of Partial Hematological Parameters in Fujian Rabbits <b>YU Chunying (Fujian)</b> 11:00~	Isolation and Identification of Bordetella bronchiseptica from New Zealand White Rabbits <b>Yun Shifeng (Jiangsu)</b> 11:10~	Vaginal Irritation Test for Rubber Condom in the Japanese White Rabbit Model <b>Wen Zou (SiChuan)</b> 11:20~
11:30~	Discussion			
12:00~	Closed			

# CONTENTS

- S1. Current status of rabbit embryonic stem cells: where are we and where can we go? ..... Arata Honda (1)
- S2. Rabbit cloning: current status and future perspectives..... Shangang Li, Valeri Zakhartchenko, Tatiana Adamowicz, et al (2)
- S3. Transgenic rabbits produced by lentivirus technology..... Hiripi L, Kvell K, Czömpöly T, et al (3)
- S4. Transgenic Rabbits for Translational Research ..... Jianglin Fan (4)
- S5.  $\beta$ -amyloid 1-42 Peptide Immunization in a Rabbit Model of Alzheimer's Disease ..... Richard Coico and Diana S (5)
- S6. Technology suitable for rabbit semen conservation..... Shuji Kitajima, Tatsuhiro Maeda, Enqi Liu, et al (6)
- S7. Current status of rabbit genome and genomics..... Claire Rogel-Gaillard, H el ene Hayes, Nuno Ferrand, et al (7)
- P1. Transgenic rabbits expressing human C-reactive protein ..... Tomonari Koike, Ying Yu, Shuji Kitajima, et al (8)
- P2. On the role of LIF and bFGF in rabbit ESC line derivation, characterization of pluripotency marker expression in rabbit ESC lines ..... Maraghechi P, Lichner Zs, Hiripi L, et al (9)
- P3. Comparison of two rabbit semen cryopreservation protocols – a pilot study..... Szikra D, Nagy Sz, BendeR B, et al (11)
- P4. Levels and patterns of genetic diversity among and within rabbit domestic breeds: insights into the domestication process and breed formation ..... Pedro Jos e Esteves, Miguel Carneiro and Nuno Ferrand (13)
- P5. Immunoreactivity of neuropeptides in hypothalamus of the transgenic rabbits using immunohistochemical staining ..... Masatoshi Morimoto, Shuji Kitajima, Kazutoshi Nishijima, et al (14)
- P6. Isolation and Identification of *Bordetella bronchiseptica* from New Zealand White Rabbits ..... FAN Zhi-yu, YUN Shi-feng, XUE Jia-bing , et al (15)
- P7. The examination of the rabbits' eyes with slit-lamp microscope..... Liming Zhu, Shengli Li, J. Wang, et al (16)
- P8. Vaginal Irritation Test for Rubber Condom in the Japanese White Rabbit Mode ..... Wen Zou, Tun Yuan, Xun Gu, et al (17)
- P9. Isolated and Cultured MSC of New Born Rabbit as a Model to Study the Interaction between Captopril and Stem Cell ..... Jing Shan, Tun Yuan, XiaoBing Sun, et al (20)

- P10. Using rabbit plasma as a substitute of human plasma for partial thromboplastin time and prothrombin time evaluation of the medical devices and materials contacting with blood ..... Tun Yuan, Wen Zou, Jing Shan, et al (22)
- P11. Study on histological and bio-mechanical change of rabbits' compound leg fracture after local radiation ..... Xinze Ran, Aiping Wang, Jianfu Li, et al (25)
- P12. Clinical observation on radiation injury combined with radial fracture of rabbits ..... Xin-ze RAN, Qing-jia HE, Tian-min CHENG (26)
- P13. Impact of BMP and TGF- $\beta$ 1 expression on healing of rabbit's fracture combined with radiation injury ..... Aiping Wang, Xinze Ran, Jianfu Li, et al (27)
- P14. Comparison of hematological and biochemical parameters of SPF and conventional New Zealand Rabbits ..... Wang Gang, Liu Ke, Kuang Shao-song (28)
- P15. Comparison of hematological and biochemical parameters of SPF New Zealand Rabbits in different sex and age ..... Liu Ke, Wang Gang, Kuang Shao-song, et al (32)
- P16. Research progress of SPF rabbit cultivation and biological characteristics in China ..... Wang Gang, Liu Ke, Zhao Wei-jian, et al (36)
- P17. Determination of partial hematological parameters in Fujian Rabbits ..... YU Chun-ying, XIE Jin-dong, LIN Xiu-hong, et al (37)
- P18. Establishment of hematological and biochemical parameters in Fujian Rabbits ..... Chun-ying Yu, Jin-dong Xie, Xiu-hong Li, et al (38)
- P19. Applications of transgenic rabbits in biomedical research – a review based on the literature search ..... Zhao Sihai, Fan Jianglin, Wei Kena, et al (39)
- P20. C-reactive protein is associated with experimental stroke in rabbits ..... Lin Yan, Zhang Chunfang, Yu Qi, et al (40)
- P21. A Rabbit iliac artery model of stent implantation in both left and right ..... Qian xin, Tian yi, Yuan weimin, et al (41)
- P22. Development and application of PCR assay for detection of bordetella bronchiseptica in rabbits ..... WANG Xin, YUN Shi-feng, WANG Fang, et al (42)
- P23. Preparation and identification of monoclonal antibodies against bordetella bronchiseptica from rabbits ..... XIONG Fu-qiang, YUN Shi-feng, WANG Fang, et al (43)
- P24. Study on the chief organ weight and coefficient of different species rabbit ..... Yun shi feng, Hu yu hong, Tian xiao yun , et al (44)
- P25. The Effects of Bevacizumab on Retinopathy in Diabetic Rabbit Model ..... Chunling Lei, Wentao Sun, Lilun Wang, et al (45)