**The 12th Joint Rumen Metabolism and Physiology Symposium**

**Second announcement**

Dr. Yasuo Kobayashi (Japan) and Dr. Jong K. Ha (Korea) proposed to hold an annual joint meeting in rumen metabolism and physiology in 1995 to facilitate the collaboration in research and graduate student education. The symposium would provide graduate students with opportunities to deliver oral presentations and personal discussions in English to improve their communication skill in English. The 1st Joint Rumen Symposium was held in Japan in 1997. So far, eleven sessions have been successfully held in China, Japan, and Korea every two years since 2005.  **The 12th Joint Rumen Metabolism and Physiology Symposium will be held in Nanjing on October 23-26, 2019** hosted by Nanjing Agricultural University and the National Center for International Research on Animal Gut Nutrition. The goal of the symposium is to improve the exchange of research discovery, progress, and ideas in the field of rumen metabolism and physiology, and to explore the research collaboration opportunities among researchers. The details of the meeting are as follows:

1. **Organizer**

National Center for International Research on Animal Gut Nutrition,

Nanjing Agricultural University

**Co-organizer**

Zhejiang University

Animal Nutrition Branch of Chinese Association of Animal Science and Veterinary Medicine

1. **Organizing Committee**

Weiyun Zhu, Nanjing Agricultural University

Jianxin Liu, Zhejiang University

Yanfen Cheng, Nanjing Agricultural University

1. **Date**

October 23-26, 2019

1. **Meeting Venue**

Hanyuan Hotel, Tongwei Road, Xuanwu District, Nanjing 210095, China

1. **Content and Requirements**

**(1) Topic**

Rumen Metabolism and Physiology

**(2) Content**

（I）Rumen physiology and metabolism

（II）Ruminant nutrition regulation and greenhouse gas emission reduction

（III）Ecology and function of rumen microorganisms

1. **Abstract requirements**

**Submission and abstracts formatting guidelines (see the example below)**

* Abstract/s will be reviewed for inclusion in the symposium program as either an oral or a poster presentation. Only the abstracts following the adequate format and of high scientific standard will be accepted. The final decision of abstracts submitted will be informed authors via E-mail.
* Abstracts must be written in English with a maximum of 400 words in an MS Word document, formatting with 12 point Times New Roman font and single space (do not use "bold" type)
* The abstract should include title, authors, affiliations, and address
* The main body of the abstract must be divided into three parts, including [Introduction], [Materials and Methods] and [Results and Conclusion] (do not include keywords).

**Deadline**

Please send an abstractto **njlgm@njau.edu.cn** before **September 15, 2019.**

1. **Invited participants**

|  |  |
| --- | --- |
| Rod I. Mackie | University of Illinois at Urbana-Champaign, USA |
| Leluo Guan | University of Alberta, Canada |
| Hauk Smidt | Wageningen University, The Netherlands |
| Nigel Scollan | Queen`s University Belfast, UK |
| Sharon Huws | Queen`s University Belfast, UK |
| Zhongtang Yu | The Ohio State University, USA |
| Chris McSweeney | CSIRO Livestock Industries, Australia |
| Veerle Fievez | Ghent University, Belgium |
| Evelyne Forano | Centre INRA Auvergne-Rhône-Alpes, France |
| Harinder Paul Singh Makker | Food and Agriculture Organization of the United Nations (FAO), Germany |

1. **Registration fee**

USD 400 for general. USD 300 for students（Please remit before September 15, 2019）. International and domestic travel expenses are covered by participants.

Account information：

|  |  |
| --- | --- |
| **Name：** | NanJing Agricultural University |
| **Swif：** | BKCHCNBJ940 |
| **Bank：** | 517058226079 （dollar $） |
| **Address：** | Nanjing Mei Hua Shan Zhuang Sub-Branch Nanjing，Jiangsu，P.R.China |
| **Note：** | 2019 JRS Registration  |
| **Contact：** | Zhanying Sun +8618351889670；E-mail：njlgm@njau.edu.cn  |

1. **Contact**

Zhanying Sun +8618351889670 njlgm@njau.edu.cn

Xiangyu He +8615005167836 hexiangyu@njau.edu.cn

Yanfen Cheng +8613770531153 yanfencheng@njau.edu.cn

National Center for International Research on Animal Gut Nutrition

October 23, 2019

**Attachment 1 Abstract template**

**Exopolysaccharides from Lactobacillus rhamnosus GG ameliorate hepatic steatosis in high fat-diet-fed zebrafish by modulating the gut microbiota**

Xinyao Xu, Chenyu Xue, Chensi Wang, Na Dong\*

Animal Science and Technology Collage, Northeast Agricultural University, Harbin, 150030, PR China

Introduction

Porcine intestinal epithelium is an important immunity barrier to protect the intestines.

Materials and Methods

Adult zebrafish were fed control diet, high fat diet (HFD) , HFD containing 0.5% or 1.0% LGG EPS for 4 weeks.

Results and Conclusion

Liver TAG levels were significantly decreased in the 0.5% and 1.0 % LGG EPS groups compared to the HFD group (P<0.05).