

第五届奶畜泌乳生物学国际研讨会

会议日程

会议主题：健康 优质 高效

会议时间：2025 年 6 月 6 日 - 8 日 （周五 - 周日）

会议语言：英语

会议食宿：紫金港国际饭店

会议安排：

时 间		会议内容	地 点
6 月 6 日 (星期五)	9:00-13:30	注册、报到	紫金港国际饭店
	13:30-18:00	研究生论坛	浙江大学动物科学学院 E122 会议室
6 月 7 日 (星期六)	8:30-12:00	开幕式	
		学术会议	
	14:00-18:15	学术会议	
		闭幕式	
6 月 8 日 (星期日)	自由交流、离会		

会务咨询：

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会议网站：

<https://www.zjuyh.com/LBDL2025/df>

Agenda

June 6

13:30-13:45 Introduction to Award Evaluation of Graduate Forum
Prof. **Feng-Qi Zhao** (University of Vermont)

Session 1: Chaired by

Prof. **Di-Ming Wang** (Zhejiang University)

Assoc. Prof. **Qing-Biao Xu** (Huazhong Agricultural University)

Student O1

13:45-14:00 Effects of different dry cow vaccination schedules on systemic inflammation, immunity, and subsequent performance of dairy cows
Jing Gao (University of Georgia)

Student O2

14:00-14:15 Single-nucleus RNA sequencing and spatial metabolomics reveals the mammary epithelial-specific lipogenesis during pregnancy and lactation
Teng Wang (Zhejiang University)

Student O3

14:15-14:30 PROX1 promotes α_{S1} -casein synthesis in mammary epithelial cells
Wei-Wei Yao (Northwest A&F University)

Student O4

14:30-14:45 Multi-omics reveals multilevel regulations of ruminal and systemic metabolism and homeostasis by dietary patterns and circadian clocks in sheep
Jian-Jun Ma (Yangzhou University)

Student O5

14:45-15:00 CTCF modulates DDR1 expression in bovine mammary epithelial cells to influence milk production traits
Shu-Ya Ma (Anhui Agricultural University)

Student O6

15:00-15:15 The mechanism of leucine regulating milk protein synthesis through the mTOR-ATF4 axis in bovine mammary epithelial cells
Zi-Yan Yang (Zhejiang University)

Student O7
15:15-15:30 Purslane supplementation improved antioxidant capacity and milk quality of dairy goats
Meng-Yu Wang (Northwest A&F University)

Student O8
15:30-15:45 Inhibition of DHHC9-mediated CD36 palmitoylation improves HFD-impaired pubertal mammary gland development through the JNK-ERK pathways
Yi-Ming Fu (South China Agricultural University)

15:45-16:00 **Coffee Break**

Session 2: Chaired by
Prof. **Chong Wang** (Zhejiang A&F University)
Assoc. Prof. **Cong Li** (Northwest A&F University)

Student O9
16:00-16:15 Phosphatidylcholine cytidine transferase α (CCT α) affects LD formation through fusion and lipophagy in bovine mammary epithelial cells
Jing-Na Yang (Henan Agricultural University)

Student O10
16:15-16:30 The transition from pregnancy to lactation remodels the mammary adipose tissue through p38 MAPK pathway mediated adipogenesis in ruminants
Tao Luo (Zhejiang University)

Student O11
16:30-16:45 Metagenomic insights into the inhibitory effect of phytochemical supplementation on antibiotic resistance genes and virulence factors in the rumen of transition dairy cows
Lin-Wei Wang (Beijing University of Agriculture)

Student O12

16:45-17:00

Trans-10, Cis-12 CLA inhibits *de novo* milk fat synthesis in mammary epithelial cells through CREB phosphorylation-mediated regulation of lipid metabolism

Ang Zhao (Shandong Agricultural University)

Student O13

17:00-17:15

CTCF regulates RND1 through methylation and affects the transdifferentiation of mammary preadipocytes

Bing-Han Li (Northwest A&F University)

Student O14

17:15-17:30

Effects of dietary α -ketoglutarate supplementation on rumen fermentation and production performance in mid-lactating dairy cows

Hong-Wei Duan (Nanjing Agricultural University)

Student O15

17:30-17:45

Integrative transcriptomic and metabolomic analysis coupled with machine learning reveals the molecular regulatory network of lactation traits in Kazakh Horses

Chen Meng (Xinjiang Agricultural University)

Student O16

17:45-18:00

Tert high cells repopulate mammary gland

Fan-Ming Liu (Zhejiang University)

June 7

Opening Ceremony & Group Photo

8:30-9:00

Chaired by: Prof. **Hong-yun Liu** (Zhejiang University)

Session 1: Chaired by

Prof. **Zhong-Hua Wang** (Shandong Agricultural University)

Prof. **Chao-Chen Wang** (Zhejiang University)

9:00-9:30

TBD

Prof. **Joseph W. McFadden** (Cornell University)

9:30-10:00

Regulation of milk production and mammary epithelium

Dr. **Bao-Wei Jiao** (Kunming Institute of Zoology, CAS)

10:00-10:30

Estrus and precision technologies: Impact biology and fertility of dairy cows

Prof. **Ronaldo Cerri** (University of British Columbia)

10:30-10:50

Coffee Break

Session 2: Chaired by

Prof. **Lin-Shu Jiang** (Beijing University of Agriculture)

Prof. **Yan-Xia Gao** (Hebei Agricultural University)

10:50-11:20

The role of MRCK α in prolactin- and amino acid-evoked lactogenesis of dairy cows

Dr. **Deng-Pan Bu** (Beijing Institute of Animal Science and Veterinary Medicine, CAAS)

11:20-11:50 Effect of heat stress on immunity and inflammation of dairy cattle
Prof. **Tao Sha** (University of Georgia)

12:00-13:30 **Lunch**

Session 3: Chaired by

Prof. **Su-Mei Yan** (Inner Mongolia Agricultural University)

Prof. **Jun Meng** (Xinjiang Agricultural University)

14:00-14:20 The study on anti-mastitis gene-edited dairy goats
Prof. **Jun Liu** (Northwest A&F University)

14:20-14:40 Proteins from cultivated mammary epithelial cells derived from bovine milk
Dr. **Jing Che** (Aarhus University, Denmark)

14:40-15:00 Advances in dairy buffalo genetic resources and genomic research
Prof. **Yi Zhang** (China Agricultural University)

15:00-15:20 Advances in systemic metabolic hypoxia of postpartum dairy cows
Assoc. Prof. **Feng-Fei Gu** (Zhejiang University)

15:20-15:40 The circadian rhythm of ruminal polyamine metabolism and its regulation on the aging injury of mammary gland
Prof. **Meng-Zhi Wang** (Yangzhou University)

15:40-16:00 Epigenetic effects and potential contributions of m6A modification to mammary gland development and lactation of Laoshan goats explored by MeRIP-seq
Assoc. Prof. **Zhi-Bin Ji** (Shandong Agricultural University)

16:00-16:20

Coffee Break

Session 4: Chaired by

Prof. **Yang-Chun Cao** (Northwest A&F University)

Dr. **Ke Zhao** (Zhejiang Academy of Agricultural Sciences)

16:20-16:40 Regulatory role of fats or fatty acids on porcine mammary gland development

Prof. **Song-Bo Wang** (South China Agricultural University)

16:40-17:00 Implications of metabolite change in Saanen goat milk across lactation stages

Assoc. Prof. **Bao-Long Liu** (Northwest A&F University)

17:00-17:20 Precision nutrition for improving dairy cows health and milk quality

Prof. **Tao Wang** (Jilin Agricultural University)

17:20-17:40 Nutritional regulation of donkey milk components and bioactive compound synthesis

Assoc. Prof. **Yan-Li Zhao** (Inner Mongolia Agricultural University)

17:40-18:00 The effect of meloxicam on inflammatory response and oxidative stress induced by klebsiella pneumoniae in dairy cow mastitis

Prof. **Heng Wang** (Yangzhou University)

18:00-18:15 **Closing Ceremony**