



2025 年国际昆虫学大会

暨第6届国际昆虫基因组学大会

第9届昆虫生理生化与分子生物学国际研讨会

正式通知（中文版）

为推动昆虫学科及相关领域的前沿研究发展，促进国内外科研工作者的学术交流与合作，2025年国际昆虫学大会暨第6届国际昆虫基因组大会和第9届昆虫生理生化与分子生物学国际研讨会将于2025年8月7-11日在中国历史文化名城——开封隆重召开。作为昆虫学领域最具影响力的国际学术盛会之一，本届大会以“Entomologists Advancing Global Innovation and Sustainability”为主题，旨在搭建全球顶尖学者交流平台，推动昆虫学科研创新与可持续发展。大会设有特邀大会报告、分会（专题）报告、墙报、青年沙龙等，诚挚邀请国内外昆虫学领域专家齐聚开封，共襄盛会（<https://icis2025.scievent.com>）。

一、会议信息

时间：2025年8月7-11日

地点：河南省开封市

主题：Entomologists Advancing Global Innovation and Sustainability

日程：

会议时间	会议日程
8月7日	报到、注册
8月8日	开幕式、大会报告、墙报
8月9日	分组报告、墙报
8月10日	分组报告、研究生论坛、闭幕式
8月11日	离会

二、组织机构

主办单位：

河南大学

承办单位：

河南大学棉花生物育种与综合利用全国重点实验室

河南大学省部共建作物逆境适应与改良国家重点实验室

河南大学生命科学学院

河南大学农学院

协办单位：

中国昆虫学会昆虫生理生化与分子生物学专业委员会

中国昆虫学会昆虫基因组学专业委员会

中国昆虫学会昆虫发育与遗传专业委员会

中国昆虫学会昆虫化学生态学专业委员会

中国昆虫学会昆虫微生物组学专业委员会

中国昆虫学会国际学术交流工作委员会

河南省昆虫学会

Insect Science

三、大会主席/共同主席

康 乐 研究员 中科院动物研究所

宋纯鹏 教 授 河南大学

John A. Pickett Professor University of Cardiff

Ted Turlings Professor University of Neuchatel / Henan University

四、征文内容及摘要提交

1.大会报告：组委会特邀十个大会报告（大会报告安排详见附件）。

2.专题报告：会议设10个研讨主题。参会代表可通过会议网页“在线投稿”页面选择“口头报告”上传摘要。截止时间为2025年7月20日。

3.墙报要求：高120cm，宽90cm；墙报语言为英文；参会代表可通过会议网页“在线投稿”页面选择“墙报”上传摘要。截止时间为2025年7月20日。

五、参会注册

参会人员需通过大会网站线上注册报名参会（<https://icis2025.scievent.com>）。会议注册费包括资料费、餐费、茶歇及会场相关费用。付费方式包括银行对公转账、扫码支付。转款时请务必备注“ICIS2025+姓名+单位名称”，更多注册费信息解释请见网页。

对公转账账户信息如下：

开户名称：河南大学文化产业基地有限公司

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银行账号（人民币）：371905656110701

扫码支付（二维码）：



表1. 会议注册费收费标准

人员身份	国内参会人 (人民币元)		国外参会人 (美元)	
	6月1日前	6月1日后	6月1日前	6月1日后
一般参会人	2300	2700	400	450
学生	1800	2100	260	300

六、住宿与交通

参会者的住宿及交通费用自理。大会推荐住宿酒店为开封大宏喜来登酒店和开封开元名都大酒店，会议期间将提供定时穿梭巴士。如您希望入住会议指定酒店，请通过会议网站“住宿与交通”页面进行预订（<https://icis2025.scievent.com>）。请参会代表自行乘车前往会议酒店，会务组将在新郑机场和两个高铁站（开封北站、宋城路站）设立志愿者服务点提供指引服务。更多交通指南请见附件和网页。

七、会议联系方式：

注册与缴费：曾保娟 baojuanz@henu.edu.cn

酒店与交通：闫 强 yanqiang@henu.edu.cn

报告与墙报：张 茜 xizhang@henu.edu.cn

荆玉谱 yupujing@henu.edu.cn

主办单位：河南大学

承办单位：棉花生物育种与综合利用全国重点实验室（河南大学）

省部共建作物逆境适应与改良国家重点实验室

河南大学生命科学学院

河南大学农学院



2025国际昆虫学大会会议通知附件

目录

- 附1.会议日程概览
- 附2.大会报告
- 附3.专题报告
- 附4.会务组联系方式
- 附5.交通指南

附件1：会议日程概览

Time	August 8	August 9						August 10			
8:30-9:00	Opening Ceremony	S1: Insect Physiology Biochemistry and Molecular Biology	S2: Insect Vector and Microbiome	S3: Insect Development and Genetics	S4: Insect Chemical Ecology	S5: Insect Toxicology	S6: Insect Synthetic Biology	S7: Insect Genomics and Evolution	S8: Insect-Plant Interaction	S9: Insect Invasion Biosafety	S10: Pest Biological Control
	Plenary Lecture										
9:00-12:00											
12:00-12:20		Lunch						Closing Ceremony			
12:20-14:00								Lunch			
14:00-18:00	Plenary Lecture	S1: Insect Physiology Biochemistry and Molecular Biology	S2: Insect Vector and Microbiome	S3: Insect Development and Genetics	S4: Insect Chemical Ecology	S5: Insect Toxicology	S7: Insect Genomics and Evolution	Departure			

附件2：大会报告

大会报告安排

序号	姓名	单位	职称
1	John A. Pickett	英国卡迪夫大学	教授、院士
2	(Xuexin Chen) 陈学新	浙江大学	教授
3	Siegfried Roth	德国科隆大学	教授
4	(Sheng Li) 李 胜	华南师范大学	教授
5	Gary W. Felton	美国宾夕法尼亚州立大学	教授
6	(Qing Yang) 杨 青	中国农业科学院植物保护研究所/ (深圳) 农业基因组研究所	教授
7	Ryusuke Niwa	日本筑波大学	教授
8	(Shuai Zhan) 詹 帅	中国科学院分子植物科学卓越创新中心	研究员
9	Adam Steinbrenner	华盛顿大学	教授
10	(Shutang Zhou) 周树堂	河南大学	教授

附件3：专题报告

专题报告详细安排

S1: Insect physiology biochemistry and molecular biology



Chair: Fei Li (李飞) Juan Du (杜娟) Zhongxia Wu (吴忠霞)

 August 9, 8: 00-18: 00

Time	Speaker	Title
8:30-8:50	Gongyin Ye (叶恭银)	Molecular mechanisms underlying chromatin remodeling during spermatogenesis in an endoparasitic wasp, <i>Pteromalus puparu</i>
8:50-9:10	Qingfa Wu (吴清发)	Regulation of phase separation and antiviral activity of Cactin by glycolytic enzyme PGk in insects
9:10-9:30	Xiaojiao Guo (郭晓娇)	Decoding 4-vinylanisole biosynthesis and pivotal enzymes in locusts
9:30-9:50	Juan Du (杜娟)	Tissue-Specific CLOCK Isoforms Modulate Circadian Feedback Loops to Govern Reproductive Fitness in <i>Drosophila</i>
9:50-10:10	Huimin Deng (邓慧敏)	Dumpleless1 regulates mature follicle rupture by integrating ecdysone and octopamine signaling in <i>Drosophila</i>
10:10-10:30	Break	
10:30-10:45	Dandan Li (李丹丹)	Functional roles of SRPK in the sperm development of insects
10:45-11:00	Huimeng Lu (卢慧蕊)	Probing the optimal architecture and molecular mechanism of insect odorant receptor heteromeric channels
11:00-11:15	Zhimao Wu (吴志卯)	Ccdc13 is essential for the assembly of ciliary central microtubules in <i>Drosophila</i>
11:15-11:30	Zongyuan Ma (马宗源)	R-loop modulates odor-guided behavior in migratory locusts
11:30-11:45	Jialin Wang (汪家林)	Tryptophan catabolism reprograms insect immunity during hemolymph bacterial infection

11:45-12:00	Wenliang Qian (钱文良)	USP8 regulates endoreplication by promoting Fzr deubiquitination and stabilization
12:00-14:00	Lunch	
14:00-14:15	Xiong Peng (彭 雄)	The role of RpUGT344J7 in the reproduction switch of <i>Rhopalosiphum padi</i> with holocyclic life cycle
14:15-14:30	Wei Dong (董 玮)	Aspects of wing differentiation in insects
14:30-14:45	Yanyan Li (李艳艳)	Molecular Mechanisms of Summer Diapause Regulation in the Adult <i>Galeruca daurica</i>
14:45-15:00	Bing Zhang (张 冰)	The Central Role of BmCENPT in Cell Cycle Regulation, Chromosome Segregation and Microtubule Organization in the Silkworm, <i>Bombyx mori</i>
15:00-15:15	Yanchun Deng (邓炎春)	PGRP-S2, an Extracellular Pattern-Recognition Protein, Activates the Toll Signaling Pathway in Honey bee against Viral Infection
15:15-15:30	Jiqiang Song (宋吉强)	Duplication of a conserved mitochondrial enzyme gene arms parasitoid wasps with venom cytotoxicity and oogenesis regulation
15:30-15:45	Duoduo Shi (师朵朵)	Functional roles of SRPK in the sperm development of insects
15:45-16:00	Break	
16:00-16:15	Chenyang Xie (谢辰阳)	High-Value Valorization of Proteins and Lipids from Black Soldier Fly Larvae
16:15-16:30	Lingzhen Yang (杨领振)	Mutation in Resilin reveals attachment impairment in <i>Bombyx mori</i>
16:30-16:45	Qingyin Qian	Radiation enhances cellular plasticity of enteroendocrine cells in the <i>Drosophila</i> midgut
16:45-17:00	Yiqi Xiao (肖以琪)	Micro-CT data of complete metamorphosis process in <i>Harmonia axyridis</i>
17:00-17:15	Zhixian Cao (曹志贤)	MicroRNAs analyses provide insights into mechanisms of Wolbachia-induced paternal defects
17:15-17:30	Shuyan Li (李暑燕)	ApoLp-II/I mediates parasitoid larvae encapsulation by enhancing the adhesion of host hemocytes and binding to larval surfaces

17:30-17:45	Anmin Zhao (赵安闽)	Immulectin-3 mediates parasitoid larvae encapsulation by binding to host hemocytes and larval surfaces
17:45-18:00	Dongran Fu (付东冉)	Isolation and identification of a Pantoea agglomerans PxG45 from Plutella xylostella (Lepidoptera: Plutellidae) gut and its antifungal activity
18:00-18:15	Fuping Lu (卢芙萍)	PsmFAR-W9, a fatty acyl-CoA reductase gene that affects wax secretion of Paurocephala sauteri Enderlein in mulberry tree

S2: Insect vector and microbiome



Chair: Junbo Luan (栾军波) Guanhong Wang (王关红) Xueming Ren (任学明)

 August 9, 8: 00-18: 00

Time	Speaker	Title
8:30-8:50	Junbo Luan (栾军波)	The molecular mechanisms by which symbionts manipulate the whitefly reproduction
8:50-9:10	Xin Zhou (周 欣)	Interactions Between Honeybee Gut Microbiota and Their Role in Host Adaptation
9:10-9:30	Wei Huang (黄 威)	Delftia tsuruhatensis as a dual-purpose bacterial symbiont for blocking Plasmodium and Leishmania transmission
9:30-9:50	Wei Liu (刘 威)	Hosts manipulate metabolism and pathogenicity heterogeneity of microbiome based at the single-cell resolution
9:50-10:10	Yadong Guo (郭亚东)	The Dynamic Interaction Among Necrophagous Insects, Microbial Communities, and Cadavers
10:10-10:30	Break	
10:30-10:50	Guanhong Wang (王关红)	Wolbachia infected Aedes albopictus males regulate the uninfected females' fecundity through rpz gene
10:50-11:10	Qiang Huang (黄 强)	Bees as reservoir for Varroa destructor mediated pathogenic bacterium transmission
11:10-11:30	Chunlai Cui (崔春来)	Exploring Microbe-Based Approaches for Mosquito-Borne Diseases Control
11:30-11:50	Xiaoli Bing (邢孝利)	Role of Rice Planthoppers in Vectoring Pathogenic Gut Bacteria to Rice Crops
11:50-12:10	Hongwei Shan (单红伟)	The plant-sucking insect Riptortus pedestris selects assembly of gut microbiota from environment to confer host beneficial fitness
12:10-14:00	Lunch	
14:00-14:20	Zeyang Sun (孙泽阳)	Functional and mechanistic insights into the gut microecology of chironomid larvae under pesticide stress

14:20-14:40	Shiqi Luo (罗诗琦)	Interactions between the honeybee immune system and gut bacteria
14:40-15:00	Xiumei Song (宋秀梅)	The influence of gut microbiota on Peritrophic matrix (PM) formation
15:00-15:20	Qiqi Wang (王琦琦)	Symbiont-mediated resistance to pyrethroids in Aedes mosquitoes
15:20-15:40	Lingrui Li (李玲睿)	Bacteriocyte symbiont Hamiltonella impacts whitefly fertilization by regulating β -tubulin through small RNA
15:40-16:00	Break	
16:00-16:20	Hong Gao (高 红)	Essential Role and Universal Presence of Recently Acquired Co-obligate Symbionts
16:20-16:40	Xuemei Wang (王雪梅)	Ecophysiological Role of Bacterial Symbionts in Mitigating Nicotine Toxicity for Nilaparvata lugens
16:40-17:00	Yikang Wang (王怡康)	The species and abundance of gut bacteria impact Phortica okadai behavior
17:00-17:20	Jiale Li (李佳乐)	A vertically transmitted Sodalis symbiont coordinates cuticle development in Tetraponera sp.5 ant via tyrosine provisioning
17:20-17:40	Da Sun (孙 达)	Ultrastructural Characterization of Developmental Stages and Head Sensilla in Phortica okadai, Vector of Thelazia callipaeda

S3: Insect development and genetics



Chair: Shutang Zhou (周树堂) Sheng Li (李胜) Yupu Jing (荆玉谱)

 August 9, 8: 00-18: 00

Time	Speaker	Title
8:30-8:50	Xiaofan Zhao (赵小凡)	Identification of the cell membrane receptors of insect juvenile hormone
8:50-9:10	Xi'en Chen (陈希恩)	Chronologically inappropriate morphogenesis (Chinmo) is required for maintenance of larval stages of fall armyworm
9:10-9:30	Zizhang Zhou (周紫章)	The transcription co-factor Taiman modulates wing vein formation through suppressing the Hh pathway
9:30-9:50	Suning Liu (刘苏宁)	SoxN-Vvl complex predominantly controls juvenile hormone biosynthesis in <i>Drosophila corpus allatum</i>
9:50-10:10	Yufeng Wang (王玉凤)	V-ATPase subunit M9.7-d is essential for sperm motility in <i>Drosophila melanogaster</i>
10:10-10:30	Break	
10:30-10:50	Zhen Zou (邹 振)	Targeting KARS and LAP1 Disrupts Mosquito Reproduction for Population Suppression
10:50-11:10	Shengli Jing (荆胜利)	Male-specific lethal-3 gene is critical for survival and fecundity in rice brown planthopper, <i>Nilaparvata lugens</i>
11:10-11:30	Weiwei Zheng (郑薇薇)	Mechanism of RNA methylation modification in reproductive development in <i>Bactrocera dorsalis</i>
11:30-11:50	Haijun Xu (徐海君)	Opposing insulin signalling activities regulate the same wing-morph switches across species
11:50-12:10	Junzheng Zhang (张俊争)	The <i>Drosophila</i> histone variant H2Av facilitates Notch signaling activity in a two-tier regulatory fashion
12:10-14:00	Lunch	
14:00-14:20	Huabing Wang (王华兵)	Draper-ATG3 Interaction Positively Regulates Autophagy to Mediate Silk Gland Degradation in <i>Bombyx mori</i>

14:20-14:40	Xiaoshuai Zhang (张小帅)	ERK-activated CK-2 triggers blastema formation during appendage regeneration
14:40-15:00	Yue Hao (郝悦)	Unveiling the Molecular Mechanism of Royal Jelly's Antibacterial Action: Insights from Proteomic Analysis and Host Regulatory Networks
15:00-15:20	Dehong Yang (杨德红)	Dimorphic histone methylations turn on dichotomous spermiogenesis
15:20-15:40	Bingpeng Liu (刘冰鹏)	Identification and functional analyses of novel immune cells in <i>Drosophila</i> kidney
15:40-15:55	Break	
15:55-16:15	Jie Du (杜捷)	Germline Cas9 promoters show improved performance for homing gene drive and transgene knock-in
16:15-16:30	Weiye Si (司伟烨)	Phase Separation of an Endocytic Factor EPS15 Orchestrates the Egg Maturation in the Fall Armyworms
16:30-16:45	Libin Yang (杨力彬)	Functional divergence of NR5 nuclear receptors during metamorphosis and reproduction in the migratory locust
16:45-17:00	Jianping Cao (曹建平)	miR-7-GABA influences female <i>Aedes aegypti</i> reproduction by modulating midgut homeostasis
17:00-17:15	Yanbo Jia (贾燕博)	CRISPR/Cas9-mediated knockout of <i>serpin15</i> impacts reproduction and immunity in <i>Plutella xylostella</i> Linnaeus
17:15-17:30	Yan Li (李艳)	N6-methyladenosine modification of RNA (m6A) regulates the diapause of cotton bollworms, <i>Helicoverpa armigera</i>
17:30-17:45	Zhuo Li (李卓)	The nuclear receptor gene <i>E78</i> regulate the molting process of the two-spotted spider mite, <i>Tetranychus urticae</i>
17:45-18:00	Qi Wu (吴启)	Temperature-dependent embryonic diapause in the endoparasitoid wasp <i>Macrocentrus cingulum</i> (Hymenoptera: Braconidae)

S4: Insect chemical ecology



Chair: Li Chen (陈立) Yunhe Li (李云河) Zhiqiang Tian (田志强)

 August 9, 8: 00-18: 00

Time	Speaker	Title
8:30-8:50	Daifeng Cheng (程代凤)	Alkaline-acid intestine environment controlled by a carbonic anhydrase gene influences synthesis of sex pheromone by symbionts
8:50-9:10	Bing Wang (王 冰)	Hot Breath, Quick Exit: Aphids Flee Mammalian Heat via TRPA1
9:10-9:30	Wenwu Zhou (周文武)	Jack and beanstalk: Tissue-specific response in plant-insect interaction
9:30-9:50	Jia Fan (范 佳)	Tread different paths that lead to the same destination: a symbolic info-chemical (EBF) perception by both aphid and its parasitoid
9:50-10:10	Zhaoyang Chen (陈兆洋)	Tool use aids prey-fishing in a specialist predator of stingless bees
10:10-10:30	Break	
10:30-10:50	Yazhou Chen (陈亚洲)	Cross-Kingdom RNAs in Insect-Plant Interactions
10:50-11:10	Yang Liu (刘 杨)	Carbon dioxide drives oviposition in <i>Helicoverpa armigera</i>
11:10-11:30	Hao Xu (徐 颢)	Plant volatiles and food availability mediate insect phenological migrations
11:30-11:50	Ruo Sun (孙 若)	Conifer phenolic metabolism during the spruce-beetle-fungus interaction
11:50-12:10	Zhiqiang Tian (田志强)	An egg parasitoid assesses host egg quality from afar using oviposition-induced plant volatiles
12:10-14:00	Lunch	
14:00-14:20	Manqun Wang (王满囤)	Behavioral Adaptation of Oriental Armyworm to Host Plant Defense

14:20-14:40	Wen Xie (谢 文)	A plant virus manipulates both its host plant and the insect that facilitates its transmission
14:40-15:00	Te Zhao (赵 特)	Plant volatiles mediated the orientation preference of slugs to different plant species
15:00-15:20	Hao Guo (郭 浩)	Phthorimaea absoluta uses Bemisia tabaci damage-induced eugenol to avoid competition and parasitism
15:20-15:40	Yiqi Wu (吴轶祺)	Development of a Novel Attractant-Baited Sticky Board and Its Application for the Highly Efficient Control of Aleurocanthus spiniferus in Tea Plantations
15:40-16:00	Break	
16:00-16:20	Feng Liu (柳 峰)	Cellular and Molecular Basis of DEET Reception in Aedes aegypti
16:20-16:40	Jin Zhang (张 进)	Male derived PBP4 is essential for sperm competition by mediating sperm motility in moths
16:40-17:00	Baoliang Tian (田宝良)	Molecular profiling of chemical signals enhancing plant invasion by shaping antagonistic and mutualistic associations
17:00-17:20	Muhammad Lubaid Khalid	Neuroanatomical Study of Antennal Lobe by 3D Morphological and Quantitative Analysis in Yellow Peach Moth (<i>Dichocrosis punctiferalis</i>)
17:20-17:40	Huan Liu (刘 欢)	Defense trade-off in wheat: Fall armyworm-induced resistance impairs adaptation in the grain aphid <i>Sitobion avenae</i>

S5: Insect toxicology



Chair: Yidong Wu (吴益东) Pei Liang (梁沛) Huidong Wang (王慧东)

 August 9, 8: 00-18: 00

Time	Speaker	Title
8:30-8:50	Yidong Wu (吴益东)	Identification and functional validation of novel genes associated with insecticide resistance in insects
8:50-9:10	Maohua Chen (陈茂华)	Overexpression of GST gene confer avermectin resistance in <i>Grapholita molesta</i>
9:10-9:30	Shunfan Wu (吴顺凡)	Pesticide-induced resurgence in brown planthoppers: Juvenile hormone genes enhance fecundity
9:30-9:50	Shaoli Wang (王少丽)	Resistance mechanism of <i>Tetranychus urticae</i> to abamectin
9:50-10:10	Shujun Wei (魏书军)	Recurrent Mutations Drive the Rapid Evolution of Pesticide Resistance in the Two-spotted Spider Mite <i>Tetranychus urticae</i>
10:10-10:30	Break	
10:30-10:50	Shaoying Wu (吴少英)	Study on the Molecular Mechanism of Neural Receptors in <i>Thrips tabaci</i> (Onion Thrips)
10:50-11:10	Xingliang Wang (王兴亮)	Bt resistance in corn borer: status, mechanisms and challenges
11:10-11:30	Yazhou He (何亚洲)	Redundant targeting with multiple sgRNAs enables rapid genetic screening in the lepidopteran pest <i>Helicoverpa armigera</i>
11:30-11:50	Huidong Wang (王慧东)	The role of insect metabolic enzymes in evolutionary adaptation to toxic xenobiotics
11:50-12:10	Lei Guo (郭磊)	Metabolic resistance mechanisms of <i>Bemisia tabaci</i> to cyantraniliprole
12:10-14:00	Lunch	
14:00-14:20	Yayun Zuo (左亚运)	A key amino acid substitution of vacuolar-type H ⁺ -ATPases A subunit (VatpA) confers selective toxicity of a potential botanical insecticide, periplocoside P (PSP), in <i>Mythimna separata</i> and <i>Spodoptera exigua</i>

14:20-14:40	Hong Zhou (周 红)	Molecular mechanism of acaricidal selectivity of scoparone targeting a novel target, Cav1.2 calcium channel
14:40-15:00	Rui Pang (庞 锐)	Literature Mining Process and Database Construction for Arthropod Resistance Based on Large Language Models
15:00-15:20	Litao Guo (郭利桃)	Heat shock protein and Cathepsin B genes play an important role in the cadmium stress of the whitefly, <i>Bemisia tabaci</i>
15:20-15:40	Muhammad Musa Khan	Effect of Heavy metals on Integrated pest mangement
15:40-16:00	Break	
16:00-16:20	Xumin Lin (林栩敏)	Population Genomics-Based Mining of Insecticide Metabolic Resistance Genes in <i>Helicoverpa armigera</i>
16:20-16:30	Hongcheng Tang (唐红成)	The miRNA-275 targeting RpABCG23L is involved in pyrethroid resistance in the bird cherry-oat aphid, a serious agricultural pest
16:30-16:40	Haoran Kong (孔颢然)	Functional validation of the roles of carboxylesterases in pyrethroid resistance in a field population of <i>Tuta absoluta</i> of Jilin province
16:40-16:50	Yueru Ye (叶月茹)	Genome-wide CRISPR knockout screening provides insight into the determinants of insecticide activation and resistance
16:50-17:00	Jun Yuan (袁 军)	The P450s CYP6CY3 and CYP6CY4 confer resistance to flupyradifurone in the green peach aphid <i>Myzus persicae</i>
17:00-17:10	Zihan Wei (魏子涵)	Advances in genetic- based sterile insect technique (gSIT) of Lepidoptera pests.
17:10-17:20	Wenchao Ge (葛文超)	The molecular target and pro-insecticide mechanism of the novel meta-diamide, cyproflanilide, in the rice stem borer, <i>Chilo suppressalis</i>
17:20-17:30	Bin Wen (闻 斌)	Why does the specialist <i>Helicoverpa assulta</i> adapt to tobacco better than its closely-related generalist <i>Helicoverpa armigera</i> ?
17:30-17:40	Jin Wang (王 今)	Effect of multitrophic interaction of microplastic on integrated pest management
17:40-17:50	Wenzhe Zhang (张文哲)	Adaptive Synergy Between Chitin Synthase Mutation and P450 Overexpression: Resistance Enhancement and Fitness Cost Compensation in <i>Nilaparvata lugens</i>

S6: Insect Synthetic Biology



Chair: Jianzhen Zhang (张建珍) Jie Shen (沈杰) Qiang Yan (闫强)

 August 9, 8: 00-12: 00

Time	Speaker	Title
8:30-8:55	Jianzhen Zhang (张建珍)	Progress in Synthetic Biology Research
8:55-9:10	Chunsheng Hou (侯春生)	A novel dsRNA virus parasitic in symbiotic fungus to enhance fungal virulence by suppressing biotin biosynthesis in honeybees
9:10-9:25	Ling Tian (田 铃)	Bioconversion of Agricultural Organic Waste by Black Soldier Fly (<i>Hermetia illucens</i>)
9:25-9:40	Sanyuan Ma (马三垣)	Genome-Scale CRISPR-Cas9 Editing and Synthetic Breeding in Silkworm
9:40-9:55	Shuo Yan (闫 硕)	Nanodelivery system and RNA pesticide development
9:55-10:10	Tingting Zhang (张婷婷)	Development of Insect Gene Editing Tools and Their Applications in Synthetic Biology
10:10-10:30	Break	
10:30-10:45	Xuechun Feng (冯雪春)	CRISPR-based gene drives to suppress <i>Culex</i> mosquito populations
10:45-11:00	Kai Chen (陈 凯)	Green biosynthesis using genetically engineered silkworms
11:00-11:15	Mingshan Li (李名珊)	Development of RNA Nanopesticides Targeting Immune Genes of Green Peach Aphid.
11:15-11:30	Jie Yang (杨 婕)	CRISPR-based gene drive using engineered Cas9 variants
11:30-11:45	Shuai Zhang (张 帅)	In Vivo Targeted Protein Degradation via an E2 Enzyme–Driven Nanobody Platform
11:45-12:00	Shaozhen Wang (王绍震)	Engineered Higiant enhances the bioconversion ability of <i>Hermetia illucens</i>

S7: Insect genomics and evolution



Chair: Xianhui Wang (王宪辉) Wei Zhang (张蔚) Jiasheng Song (宋佳晟)

 August 9, 14: 00-18: 00

Time	Speaker	Title
14:00-14:20	Qi Zhou (周 琦)	How do Drosophila evolve two types of sperm?
14:20-14:40	Yanqun Liu (刘彦群)	The origin and evolution of <i>Antheraea pernyi</i>
14:40-15:00	Ying Zhen (甄 莹)	The bright and dark sides of fireflies
15:00-15:20	Xinhai Ye (叶昕海)	Comparative genomics of parasitoid wasps
15:20-15:40	Xiao Zhang (张 骁)	Temporal genomics in Hawaiian crickets reveals compensatory intragenomic coadaptation during adaptive evolution
15:40-16:00	Break	
16:00-16:20	Jiuyang Luo (骆久阳)	Phylogenomic Insights into the Origin and Evolution of the only highly ant-mimicking stink bug <i>Pentamymex spinosus</i>
16:20-16:40	Wanhu Yang (杨万虎)	Genetic mechanism underlying color polymorphism in the short-headed bumble bee, <i>Bombus breviceps</i>
16:40-17:00	Travis Chen	Does the origin of novel phenotypes and their integration into complex systems evolve predictably?
17:00-17:20	Dong Zhao (赵 懂)	The pigment transporter Redboy confers programmed body colour transition in orchid mantises

Chair: Xianhui Wang (王宪辉) Wei Zhang (张蔚) Jiasheng Song (宋佳晟)

 August 10, 8: 30-11: 30

Time	Speaker	Title
8:30-8:50	Fei Li (李 飞)	To be determined
9:10-9:30	Li Hou (侯 丽)	Genetic mechanism underlying pollination and ecological adaptation in <i>Megachile rotundata</i>
8:50-9:10	Yuange Duan (段元格)	A-to-I RNA editing in insects: what, how, & why?
9:30-9:50	Wei Liu (刘 伟)	Telomere-to-Telomere Genome Datasets for Pests as a Foundation for Future Pest Management: A Case Study on <i>Bactrocera dorsalis</i>
9:50-10:10	Jackson Champer	Gene drive-based population modification and suppression of <i>Anopheles stephensi</i>
10:10-10:30	Break	
10:30-10:50	Kang He (贺 康)	A Large Number of Animal microRNAs have Long Precursors
10:50-11:10	Shan Gao (高 山)	Chromosome-scale genome dynamics reveal signatures of independent haplotype evolution in the ancient asexual mite <i>Platynothrus peltifer</i>
11:10-11:30	Yan Peng (彭 炎)	Landscape of structural variants reveals insights for local adaptations in the Asian corn borer
11:30-11:50	Hao Chen (陈 昊)	Evolutionary Analysis of Olfactory Receptor Genes Across Metazoan Lineages

S8: Insect-plant interaction



Chair: Jiancai Li (李建彩) Xi Zhang (张茜) Qingsong Liu (刘清松)

 August 10, 8: 00-11: 40

Time	Speaker	Title
8:30-8:50	Ran Li (李 冉)	Jasmonate signaling in rice defense against brown planthopper: mechanisms and applications
8:50-9:10	Yingbo Mao (毛颖波)	Mechanisms of insect oral secretions in modulating plant defense
9:10-9:25	Zezhong Yang (杨泽众)	To be determined
9:25-9:40	Yaxuan Wang (王雅宣)	Unraveling a defense regulatory pathway in rice: lncRNA-mediated modulation of LRR proteins in response to brown planthopper infestation
9:40-9:55	Yimeng Li (李一萌)	To be determined
9:55-10:10	Yubiao Cai (蔡玉彪)	Effect of rice varieties on the preference of <i>Nilaparvata lugens</i> to rice plants infested by <i>Chilo suppressalis</i>
10:10-10:25	Break	
10:25-10:40	Lu Zhang (张 露)	Identification and expression of detoxification genes provide insights into host adaptation of the walnut pest <i>Atrijuglans aristata</i>
10:40-10:55	Dr. Khalid Khfif	Population dynamics and infestation patterns of <i>Drosophila suzukii</i> on raspberry cultivars in northwestern Morocco: Toward sustainable IPM strategies
10:55-11:10	Yutao Hu (胡雨涛)	Serotonin-mediated wing dimorphism in <i>Nilaparvata lugens</i> : A survival strategy triggered by host plant senescence
11:10-11:25	Xueyao Cao (曹雪瑶)	Microbial legacies of non-native weeds attenuate herbivore defense by maize
11:25-11:40	Houhong Yang (杨后红)	Subverting rice resistance: How the brown planthopper effector NISP1 targets host proteins

S9: Invasion insect biosafety



Chair: Zhihong Li (李志红) Wanxue Liu (刘万学) Xiao Sun (孙晓)

 August 10, 8: 00-11: 40

Time	Speaker	Title
8:30-8:50	Zhihong Li (李志红)	To be determined
8:50-9:10	Xiaoxue Li (李晓雪)	Microbiota enables cross-species adaptation in an invasive polyphagous fruit fly
9:10-9:30	Jianjun Mao (毛建军)	Myrmeleon fuscus is a promising predator of the red imported fire ant, <i>Solenopsis invicta</i> Buren: from laboratory to field trials
9:30-9:50	Weisong Li (李维松)	Genomes of <i>Bactrocera correcta</i> (Diptera: Tephritidae) reveal regional invasion patterns and thermal adaptation
9:50-10:10	Wenlan Dai (代文男)	Workers Modulate Stridulation Signals to Target Queens for Cannibalism in Fire Ants
10:10-10:30	Break	
10:30-10:50	Dingzhou Cai (蔡定洲)	Development of Molecular Detection for Key Fruit and Maize Pests using Environmental DNA (eDNA)
10:50-11:10	Xincong Zhai (翟新丛)	Reunification of an invasive plant with its specialist herbivore selects for rapid adaptive changes in defensive volatiles
11:10-11:30	Yiran Liu (刘亦然)	Modeling control of invasive fire ants by gene drive
11:30-11:40		

S10: Pest biological control



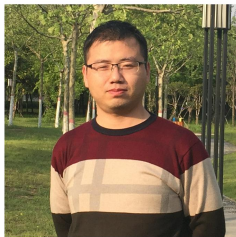
Chair: Jianhua Huang (黄健华) Lisheng Zhang (张礼生) Xiaoyun Hu (胡晓云)

 August 10, 8: 00-11: 40

Time	Speaker	Title
8:30-8:50	Shize Zhang (张世泽)	Regulation of lipid metabolism in <i>Spodoptera frugiperda</i> by the symbiotic bracovirus of the gregarious parasitoid <i>Cotesia ruficrus</i>
8:50-9:10	Jian Hu (胡 建)	The pseudogerm in <i>M. cingulum</i> functions to modulate host physiology
9:10-9:30	Jiani Chen (陈佳妮)	Parasitoid wasps recruited a bacterial gene that governs venom against host defence
9:30-9:50	Hui Dong (董 辉)	Genetic Improvement of Fecundity Traits and Molecular Mechanisms in <i>Trichogramma dendrolimi</i>
9:50-10:10	Junjie Chen (陈俊杰)	The Dual Regulation of Insulin Signaling and Juvenile Hormone Pathway in Reproductive Diapause of the Natural Enemy, Seven-Spotted Ladybeetle (<i>Coccinella septempunctata</i>)
10:10-10:25	Break	
10:25-10:40	Wenqi Shi (施文琪)	Neonicotinoid insecticide imidacloprid induces chemosensory deficits in a nontarget parasitoid wasp
10:40-10:55	Xue Kong (孔 雪)	Nanocarrier-mediated transdermal delivery of <i>Lmidgf4</i> dsRNA expedites biological control of locusts by <i>Beauveria bassiana</i>
10:55-11:10	Qianqian Mi (米倩倩)	Effects of host age, parasitoid age, and superparasitism on reproductive fitness of <i>Macrocentrus cingulum</i> (Hymenoptera: Braconidae), a larval polyembryonic parasitoid
11:10-11:25	Maosen Zhang (张茂森)	Multi-level Investigation of Diapause in <i>Arma chinensis</i> : Transcriptomics, Metabolomics, and Functional Studies
11:25-11:40	Siyu Chen (陈思雨)	Sorbitol Suppression in <i>Spodoptera frugiperda</i> Enhances Parasitoid Development and Fitness

附件4：会务组联系方式

会务联系人

曾保娟 注册与缴费  baojuanz@henu.edu.cn	闫强 酒店与招商  yanqiang@henu.edu.cn	张茜 报告与墙报  xizhang@henu.edu.cn	荆玉谱 报告与墙报  yupujing@henu.edu.cn
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会场联系人

分会 1: Insect physiology biochemistry and molecular biology	郑洪远: hzheng@henu.edu.cn
分会 2: Insect vector and microbiome	任学明: Ren-Xueming@henu.edu.cn
分会 3: Insect development and genetics	荆玉谱: yupujing@henu.edu.cn
分会 4: Insect chemical ecology	田志强: zqtian@henu.edu.cn
分会 5: Insect toxicology	王慧东: wanghd@heun.edu.cn
分会 6: Insect Synthetic Biology	闫 强: yanqiang@henu.edu.cn
分会 7: Insect genomics and evolution	宋佳晟: songj@vip.henu.edu.cn
分会 8: Insect-plant interaction	张 茜: xizhang@henu.edu.cn
分会 9: Invasion insect biosafety	孙 晓: sunxiao@henu.edu.cn
分会 10: Pest biological control	胡晓云: xyhu@henu.edu.cn

为便于为参会老师提供更好的服务，请各位老师扫码入群聊，并将群昵称修改为“姓名-单位”。感谢大家的配合，欢迎各位老师莅临参会！

**群聊: ICIS2025国际昆虫学
大会参会人员**



该二维码7天内(7月30日前)有效，重新进入将更新

附件5：交通指南

交通指南

会议不设接站服务，参会代表需自行乘车前往会议酒店。

1.飞机：开封地区最近的机场为郑州新郑国际机场（CGO）。从新郑机场至开封市有直达高铁，平均1小时1班，车程约1小时。也可选择先从机场到郑州东再换乘至开封（换乘预留20分即可），车程约1小时10分钟。网约车车程约1小时，车费约150元。

2.高铁：参会代表可乘坐高铁（1）直达开封高铁站，开封目前有三个高铁站，分别是开封北站、宋城路站及开封站。建议乘坐高铁优先选择开封北站或宋城路站，因为开封站距离会场较远，且周边道路正在施工，可能会影响出行效率。

（2）选择高铁先至郑州东站，再换乘至开封北站/宋城路站，平均每10分钟1班（换乘预留20分即可）。网约车车程约1小时，车费约110元。

注：为方便参会者抵达会议现场，会务组将在新郑机场和开封两个高铁站（开封北站和宋城路站）设立志愿者指引服务点。

打车信息如下：

1.开封北站

线路：开封北站——喜来登酒店（5.5公里，打车约12元）

线路：开封北站——开元名都酒店（7.6公里，打车约19元）

线路：开封北站——全季酒店和亚朵酒店（3.8公里，打车约10元）

2.宋城路站

线路：宋城路站——喜来登酒店（3.2公里，打车约11元）

线路：宋城路站——开元名都酒店（3.2公里，打车约10元）

线路：宋城路站——全季酒店和亚朵酒店（4.7公里，打车约12元）

3.开封火车站

线路：火车站——喜来登酒店（12公里，打车约28元）

线路：火车站——开元名都酒店（11公里，打车约25元）

线路：火车站——全季酒店和亚朵酒店（14公里，打车约32元）

4.新郑机场

路线：新郑机场-会议酒店（70公里，走高速车程约1小时，车费约150元。

5.郑州东

路线：郑州东-会议酒店（52公里，走高速车程约1小时，车费约110元。

