

“全球食品品质、安全与保障：技术与供应链体系创新”

中英科技论坛

Global Food Quality, Safety and Reassurance: Novel Techniques and Systems

China-UK Technology Workshop

# 会议指南

## CONFERENCE GUIDE

**主办：**国家自然科学基金委员会 & 英国文化协会

**Sponsor:** National Natural Science Foundation of China &  
British Council

**承办：**江苏大学&利兹大学

**Organizer:** Jiangsu University & University of Leeds

**协办：**镇江市科学技术局 & 江苏恒顺醋业股份有限公司

**Co-Organizer:** Zhenjiang Science and Technology Bureau &  
Jiangsu Hengshun Vinegar Industry Co., Ltd.

中国·镇江

Zhenjiang China

2021 年 6 月 22-24 日

英国·利兹

Leeds UK

22<sup>ed</sup>-24<sup>th</sup> June, 2021

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## 1. 研讨背景与目的 Background and Aims of the Workshop

### 研讨背景 Background:

随着食品供应链全球化、国际化程度日益加深,世界各国都面临更为复杂、严峻的食品安全形势,诸如我国进口冷链食品检出新冠病毒阳性、英国马肉掺假等食品安全事件时有发生。据世卫组织统计,欧洲地区一年的食源性疾病病例高达 2300 万,造成 5000 人死亡。

针对食品供应链全球化、复杂化的新特点,加强国际交流合作有助于借鉴世界各国先进的食品安全控制技术和管理制度,设计更加安全、可靠的食物供应链体系,改进全球食品安全风险评估方法,为政府机构和消费者提供更为有效的建议与指导。

With the globalization and internationalization of the food supply chain, the world is facing more complex and severe food safety situations. Food safety incidents, such as the appearance of the coronavirus in imported cold chain foods in China, the adulteration of horse meat in the UK, have been seen from time to time. According to WHO statistics, the number of food borne illness cases in Europe alone is as high as 23 million in one year, and 5,000 of them have died as a result.

In view of the new characteristics of globalization and complexity of the food supply chain, strengthening international exchanges and cooperation will benefit for the communication of the excellent experience and technology of various countries, also for the design of a safer and more reliable food supply chain system, and the improvement of global food safety risk assessment methods, which help to provide more effective advice and guidance for the government, institutions and consumers.

## 研讨目的 Aims:

此次研讨会由国家自然科学基金委员会和英国文化协会共同资助召开，旨在促进中英双边交流，深入理解当前全球食品安全形势，建立新型食品安全与质量控制体系，开发灵敏、可靠的食品安全因子检测技术，提出食品安全风险评估新方法，从而改善全球食品供应链安全现状，促进食品行业和中英贸易健康发展。

This workshop was co-sponsored by the National Natural Science Foundation of China and the British Council. It aims to deeply understand the current global food safety situation, promote the communications between China and Britain, propose new food safety and quality control systems, and develop sensitive and reliable food hazard detection technologies and food safety risk assessment methods, so as to improve the security status of the global food supply chain, and promote the healthy development of the food industry and UK-China trade.

## 2. 议程安排 Agenda

日期 Date	时间 Time	内容 Events	地点 Venue
6 月 21 日 21 <sup>st</sup> , June	15:00-19:00	会议报到 Registration	江苏大学专家楼 Expert Building of Jiangsu University
	18:00-20:00	欢迎晚宴 Evening Reception	江苏大学专家楼 JSU Expert Building
6月22日 22 <sup>ed</sup> , June	08:30-09:10	开幕式 Opening Ceremony	江苏大学小礼堂 JSU Small Auditorium
	09:15-11:25	特邀专家报告 1 Keynote Report 1	江苏大学小礼堂 JSU Small Auditorium
	11:30	午餐 Lunch	江苏大学专家楼 JSU Expert Building
	14:30-19:10	专题报告 1 (线上线下结合) Theme Report 1 (Online & Offline)	江苏大学会议中心第二报告厅 Second Lecture Hall, JSU Meeting Center
	19:10	晚餐 Dinner	江苏大学专家楼 JSU Expert Building
6月23日 23 <sup>rd</sup> , June	8:30-11:15	特邀专家报告 2 Keynote Report 2	江苏大学会议中心第三报告厅 Third Lecture Hall, JSU Meeting Center
	11:30	午餐 Lunch	江苏大学专家楼 JSU Expert Building
	14:30-19:10	专题报告 2 (线上线下结合) Theme Report 2 (Online&Offline)	江苏大学会议中心第三报告厅 Third Lecture Hall, JSU Meeting Center
	19:10	晚餐 Dinner	江苏大学专家楼 JSU Expert Building
6月24日 24 <sup>th</sup> , June	15:30-19:10	专题报告 3 (线上线下结合) Theme Report 3 (Online&Offline)	江苏大学会议中心第三报告厅 Third Lecture Hall, JSU Meeting Center
	19:10	晚餐 Dinner	江苏大学专家楼 JSU Expert Building

### 3. 会场安排 Detailed Program

#### 开幕式及专家报告 1

Opening Ceremony and Keynote Reports 1

时 间：6 月 22 日上午 8:30–11:25

Time: 8:30–11:25, 22<sup>ed</sup> June

地 点：江苏大学小礼堂

Position: JSU Small Auditorium

线上地址：[ZOOM](#) 视频会议 会议号：5440933261 密码：JSU2021

Online meeting: [ZOOM](#) meeting ID: 5440933261 Password: JSU2021

时 间 Time	内 容 Contents
大会开幕式 Opening Ceremony 主持人：邹小波 教授 Chair: Professor Xiaobo Zou	
08:30–9:10	1、嘉宾介绍（10分钟） Introduction of guests 2、江苏大学颜晓红校长致辞（5分钟） Speech by President of JSU 3、基金委国际合作局项目主任徐进致辞（5分钟） Speech by Jin Xu, Officer of National natural science foundation of China 4、英国利兹大学食品科学与营养学院院长Alan致辞（5分钟） Speech by Alan, Dean of School of food science and nutrition, University of Leeds. 5、杰文奖学金颁奖仪式（10分钟） Award Ceremony of Jiewen Scholarship 6、江大源生态奖助学金设立仪式（5分钟） Establishment Ceremony of Jiangda Yuanshengtai Scholarship
特邀专家报告(中文) Keynote Reports (Chinese) 主持人：邹小波 教授 武爱波 研究员 Chairs: Professor Xiaobo Zou Professor Aibo Wu	

9:15–9:35	<p><b>李培武</b> 中国农业科学院油料作物研究所 院士  <b>Peiwu Li</b> Oil Crops Research Institute of Chinese Academy of Agricultural Sciences Academician</p> <p>题目：农产品黄曲霉毒素风险监测与预警控制研究          Title: Monitoring, early warning and control of aflatoxin risks in agricultural products</p>
9:35–09:55	<p><b>庞国芳</b> 中国检验检疫科学研究院 院士  <b>Guofang Pang</b> Chinese Academy of Inspection and Quarantine Academician</p> <p>题目：信息化引领食品安全农药残留检测技术创新发展（线上报告）          Title: Informatization leads the innovation and development of food safety pesticide residue detection technology (Online)</p>
09:55–10:15	<p><b>陈芳</b> 中国农业大学 教授  <b>Fang Chen</b> China Agricultural University Professor</p> <p>题目：食品安全风险与挑战          Title: Risks and challenges of food security</p>
10:15-10:35	<p><b>姚卫蓉</b> 江南大学 教授  <b>Weirong Yao</b> Jiangnan University Professor</p> <p>题目：拉曼光谱技术在食品安全检测中的应用          Title: Application of raman spectroscopy in food safety inspection</p>
10:35-10:45	茶歇 Tea Break
10:45-11:05	<p><b>姜毓君</b> 东北农业大学 教授  <b>Yujun Jiang</b> Northeast Agricultural University Professor</p> <p>题目：不同蛋白质和碳水化合物原料对婴幼儿配方乳粉储藏稳定性的影响（线上报告）          Title: Effects of different protein and carbohydrate raw materials on the storage stability of infant formula milk powder (Online)</p>
11:05-11:25	<p><b>武爱波</b> 中国科学院上海营养与健康研究所 研究员  <b>Aibo Wu</b> Shanghai Institute of Nutrition and Health, Chinese Academy of Sciences Professor</p> <p>题目：食物链中隐蔽型毒素定量检测与发生规律研究          Title: Study on the quantitative detection and occurrence principle of hidden toxins in food chain</p>

## 专题报告 1 (英文) Theme Report 1 (English)

时间: 6月22日下午 14:30–19:10

Time: 14:30–19:10, 22<sup>nd</sup> June

线下地点: 江苏大学会议中心第二报告厅

Position: Second Lecture Hall, JSU Meeting Center

线上地址: [ZOOM](#) 视频会议 会议号: 5440933261 密码: JSU2021Online meeting: [ZOOM](#) meeting ID: 5440933261 Password: JSU2021

主持人: 邹小波教授 Megan Povey 教授 陈士国 教授 Yunyun Gong 教授 Chairs: Professor Xiaobo Zou Megan Povey Shiguo Chen Yunyun Gong			
时间 Time	姓名 Speaker	单位 Affiliation	题目 Report Title
14:30–14:55	陈红兵 Hongbing Chen	南昌大学 Nanchang University	食物过敏的多学科研究进展 (中文) Multidisciplinary research progress of food allergy (Chinese)
14:55–15:20	邹小波 Xiaobo Zou	江苏大学 Jiangsu University	成套化中式中央厨房装备保障食品安全 (中文) Integrated Chinese-style central kitchen equipment ensures food safety (Chinese)
15:20-15:30	休息 Break		
15:30–15:35 8:30- 8:35 (UK time)	Elena Simone	University of Leeds	Welcome talk and introduction
15:35–15:50 8:35- 8:50 (UK time)	Naresh Magan	Cranfield University	Mycotoxigenic moulds, quality loss and mycotoxin contamination in cereal food chains
15:50–16:10 8:50-9:10 (UK time)	Sally Moore	University of Leeds	UK nutrition labelling and research prospective



16:10–16:30	唐晓倩 Xiaoqian Tang	中国农业科学院油料作物研究所 Oil Crops Research Institute of Chinese Academy of Agricultural Sciences	Nanobody based immunoassay for mycotoxin determination in food
16:30–16:50 9:30-9:50 (UK time)	Eleonora Morganti	University of Leeds	Understanding global food security;
16:50–17:10 9:50-10:10 (UK time)	胡耀中 Yaozhong Hu	南开大学 Nankai University	Nanobody mediated surveillance of food related allergens and the allergenicity
17:10–17:30 10:10–10:30 (UK time)	茶歇 Tea Break 讨论 Discussion 海报 Flash presentation (Ahmed Rady – Nottingham, Catherine Okafor - Leeds)		
17:30–17:50 10:30–10:50 (UK time)	Dimitrios Gerogiorgis	Edinburgh	Digitalisation of food & drink manufacturing for quality & supply chain security
17:50–18:10 10:50-11:10 (UK Time)	朱雨辰 YuChen Zhu	中国农业大学 Chinese Agricultural University	Inhibiting of Glutathione on Acrylamide
18:10–18:30 11:10-11:30 (UK Time)	Lorenzo Metilli	University of Leeds	Investigating the microstructure of soft, porous matter with X-Ray Tomography
18:30–18:50 11:30-11:50 (UK Time)	孟轩夷 Xuanyi Meng	南昌大学 Nanchang University	Allergenicity changes in bovine $\beta$ -lactoglobulin evoked by C18 unsaturated fatty acid in food matrix
18:50–19:10 11:50-12:10 (UK Time)	陈士国 Shiguo Chen	浙江大学 Zhejiang University	Healthy hydrocolloid: Revisiting the role of RG-I pectin

## 特邀专家报告 2 （中文）

Keynote Report 2 (Chinese)

时 间：6 月 23 日上午 8:30–11:15

Time: 8:30–11:15, 23<sup>rd</sup> June

地 点：江苏大学会议中心第三报告厅

Position: Third Lecture Hall, JSU Meeting Center

线上地址：[ZOOM](#) 视频会议 会议号：5440933261 密码：JSU2021Online meeting: [ZOOM](#) meeting ID: 5440933261 Password: JSU2021

时 间 Time	内 容 Contents
主持人：方勇教授 陈全胜教授 Chairs: Professor Yong Fang Professor Quansheng Chen	
08:30–08:55	刘学波 西北农林科技大学 教授 Xuebo Liu North West Agriculture and Forestry University Professor 题目：膳食调节神经营养与肠道稳态的分子机制研究 Title: Molecular mechanism of dietary regulation of neuronutrition and intestinal homeostasis
8:55–09:20	方勇 南京财经大学 教授 Yong Fang Nanjing University of Finance & Economics Professor 题目：用金属组学手段深入剖析稻米中硒的营养与功能 Title: Insight into nutritional function of selenium in rice: a comprehensive study by metallomics method
09:20–09:45	徐丽广 江南大学 教授 Liguang Xu Jiangnan University Professor 题目：食品安全生物检测新技术 Title: Novel technology for biological detection of food safety
09:45–10:00	茶歇 Tea Break
10:00–10:25	陈全胜 江苏大学 教授 Quansheng Chen Jiangsu University Professor 题目：农产品（茶叶）质量安全快速无损检测研究 Title: Fast nondestructive detection of quality and safety of agricultural products (tea)

10:25–10:50	<p>王丽 华南农业大学 副教授</p> <p>Li Wang South China Agricultural University Associate Professor</p> <p>题目：坂崎克罗诺杆菌的存活但不可培养状态、特殊生物学特性和定量检测技术（线上报告）</p> <p>Title: Viable but nonculturable state of Cronobacter sakazakii, special biological properties and quantitative detection technology (Online)</p>
10:50-11:15	<p>孙秀兰 江南大学 教授</p> <p>Xiulan Sun Jiangnan University Professor</p> <p>题目： 待定（线上报告）</p> <p>Title: To be confirmed (Online)</p>

**专题报告 2 Theme Report 2****时间：6月23日下午 14:30–19:10****Time: 14:30–19:10, 23<sup>rd</sup> June****线下地点：江苏大学会议中心第三报告厅****Position: Third Lecture Hall, JSU Meeting Center****线上地址：[ZOOM](#) 视频会议 会议号：5440933261 密码：JSU2021****Online meeting: [ZOOM](#) meeting ID: 5440933261 Password: JSU2021**

主持人：石吉勇教授 Elena Simone博士 陈晶瑜教授 Alan Hernandez博士  
 Chairs: Professor Jiyong Shi Dr. Elena Simone Professor Jingyu Chen Dr Alan Hernandez

时间 Time	姓名 Speaker	单位 Affiliation	题目 Report Title
14:30–14:55	张新爱 Xinai Zhang	江苏大学 Jiangsu University	新型纳米酶在食品安全分析中的应用 Nanoenzyme-based sensor toward rapidly monitoring safety factors for food quality control
14:55–15:20	石吉勇 Jiyong Shi	江苏大学 Jiangsu University	食品/农产品组分分布的快速、无损感知技术 Fast, nondestructive perception of the component distribution of food/agricultural products
15:30–15:50 8:30–8:50 (UK time)	Elena Simone	University of Leeds	Process Analytical Technology tools for safe food manufacturing
15:50–16:10 8:50–9:10 (UK time)	张磊 Lei Zhang	国家食品安全风险评估中心 China National Center for Food Safety Risk Assessment	The role and practice of food safety risk assessment in China
16:10–16:30 9:10–9:30 (UK time)	Lei Xia	University of Leeds	Multiple mycotoxin exposure and risk assessment among a rural Pakistan population by human biomonitoring approach
16:30–16:50 9:30–9:50 (UK time)	陈晶瑜 Jingyu Chen	中国农业大学 China Agricultural University	The Rcs system in Enterobacteriaceae: envelope stress responses and virulence regulation
16:50–17:10 9:50–10:10 (UK time)	Dr Ukpai Eze	Leeds/Coventry	Mycotoxins in Africa—A major food safety risk and public health threat

17:10–17:30 10:10–10:30 (UK time)	茶歇 Tea Break 讨论 Discussion 海报 Flash presentation (Yue Liu – Leeds, Pui Yee Tan – Leeds)		
17:30–17:50 10:30–10:50 (UK time)	孙全才 Quancai Sun	江苏大学 Jiangsu University	Research progress of neonicotinoids and pyrethroid insecticides in promoting obesity and insulin resistance
17:50–18:10 10:50–11:10 (UK time)	周晨光 Chenguang Zhou	江苏大学 Jiangsu University	Metabolomics approach for assessing safety and quality of cereal grains
18:10–18:30 11:10–11:30 (UK time)	宋亮 Liang Song	大连工业大学 Dalian Polytechnic University	Development of a high internal phase emulsion of antarctic krill oil diluted by soybean oil using casein as a co-emulsifier (Online)
18:30–18:50 11:30–11:50 (UK time)	Yoga Pratama	University of Leeds	Understanding milk fat crystallization using small angle X-ray scattering
18:50–19:10 11:50–12:10 (UK time)	Alan Hernandez	University of Leeds	Alternative proteins: a solution to the protein gap dilemma

## 专题报告 3 Theme Report 3

时 间: 6 月 24 日下午 15:30–19:10

Time: 14:30–19:10, 24<sup>th</sup> June

线下地点: 江苏大学会议中心第三报告厅

Position: Third Lecture Hall, JSU Meeting Center

线上地址: [ZOOM](#) 视频会议 会议号: 5440933261 密码: JSU2021Online meeting: [ZOOM](#) meeting ID: 5440933261 Password: JSU2021

主持人: 黄晓玮 副研究员 Pui Yee Tan 博士 李春保 教授 Dr Arwen Tyler  
 Chairs: Associate Professor Xiaowei Huang Dr. Pui Yee Tan Professor Chunbao Li Dr Arwen Tyler

时间 Time	姓名 Speaker	单位 Affiliation	题目 Report Title
15:30–15:50 8:30-8:50 (UK time)	李春保 Chunbao Li	南京农业大学 Nanjing Agricultural University	Changes of the composition of microbiota on the surface of pig carcasses during chilling and its associations with alterations in chiller's
15:50–16:10 8:50-9:10 (UK time)	Hifza Rasheed	University of Leeds	An integrated probabilistic risk modelling of Geogenic Arsenic in Pakistan
16:10–16:30 9:10-9:30 (UK time)	张迪 Di Zhang	江苏大学 Jiangsu University	Rapid quantification of hydroxyl-sanshools in Sichuan Pepper and their interaction with polyphenols
16:30–16:50 9:30-9:50 (UK time)	欧阳琴 Qin Ouyang	江苏大学 Jiangsu University	Rapid evaluation of matcha quality using hyperspectral microscope imaging technology
16:50–17:10 9:50-10:10 (UK time)	Liam Morris	University of Leeds	Dynamic monitoring of glycine crystallisation with low-power ultrasound reflection spectroscopy
17:10–17:20 10:10-10:20 (UK time)	茶歇 Tea Break 讨论 Discussion		
17:20–17:40 10:20-10:40 (UK time)	Carol Verheecke-Vaessen	Cranfield University	Mycotoxins risks in the UK oats production chain
17:40-18:00 10:40-11:00 (UK time)	Huaiyu Yang	Loughborough	Crystallisation in liquid-liquid phase separation solution with advanced process analytical technology

18:00-18:20 11:00-11:20 (UK time)	黄晓玮 Xiaowei Huang	江苏大学 Jiangsu University	Measurement of total viable bacterial count (TVC) in Yao-meat by colorimetric sensor and hyperspectral imaging fusion technique
18:20-18:40 11:20-11:40 (UK time)	Erhan Gulsen	Nottingham	Combining ultrasonic measurement methods and machine learning techniques to assess baked product quality
18:40-19:00 11:40-12:00 (UK time)	郭志明 Zhiming Guo	江苏大学 Jiangsu University	Characterization and detection of dominant spoilage fungi in apple by Raman spectroscopy
19:00-19:10 12:00-12:10 (UK time)	Megan Povey and Yun Yun Gong	University of Leeds	Closing Remarks

## 4. 报道安排 Registration



- ① 报到地点：江苏大学专家楼（镇江市京口区学府路 301 号江苏大学）。
- ② 抵达方式：（1）从镇江站乘坐 3 路/19 路/28 路；（2）从镇江南站乘坐 202 路/208 路；（3）搭乘出租车费用在 40 元左右。（21 日 15:00-19:00）
- ③ 小礼堂：大会开幕式和特邀报告（22 日 08:30-11:25）
- ④ 会议中心第二/三报告厅：专题报告（22-24 日 14:30-19:10）
- ⑤ 由于疫情防控需要，专家须由校内人员带领方可进入校园，请抵达前提前与我们联系。

### 联系人：

李志华 18352856621

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### 会议须知

- 1、会议期间请随身佩带代表证，凭代表证出入论坛会场；
- 2、学术报告期间请将您的手机关闭或调整到静音状态；
- 3、会议期间请遵循相关防疫防护工作安排；
- 4、ZOOM 软件下载地址：<https://www.zoom.us/download>。