

The International Workshop on Campylobacter, Helicobacter and Related Organisms

Date: Nov 14th-19th, 2022

Host Organizers:

Chinese Association of Animal Science and Veterinary Medicine (CAAV) Yangzhou University (YZU)

China Agricultural University (CAU)

National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention (ICDC, China CDC)

Organizer:

Beijing Boyar Media Co., LTD

Chairmen:

Prof. Jiao Xinan Yangzhou University

Prof. Shen Jianzhong China Agricultural University

Prof. Zhang Jianzhong ICDC, China CDC

Organizing committee members:

HUANG Jinlin ZHANG Maojun SHEN zhangqi SHI Juan

TANG Yuanyue GAO Beile YOU Yuanhai WANG Yang

Conference secretary and Webinar service:

TANG Yuanyue WANG Biyong XIANG Hui ZHANG Ying ZHANG Suxing Website:

http://chro.bomeeting.net/en

QR code for mobile participation:



Registration Fee:

For delegate: 1200RMB For student: 800 RMB

> CHRO Organizing Committee China



Day 1, Nov 14th, 2022

NumberTitleAuthorInstituteAntibiotics and Antimicrobial ResistanceAntibiotics and Antimicrobial ResistanceDistribution characteristics of the sabA, hofC, homA, homB and frpB-4 genes of Helicobacter pylori in different regions of ChinaMengyang FangNanjing Medical University5579Prevalence of Campylobacter spp. contamination in poultry, porcine, bovine, and ovine liver in IrelandOlwen GoldenDepartment of Agriculture, Food and the Marine, IrelandEpidemiology and Public HeatthS599Antimicrobial resistance profile of a Campylobacter jejuni strain causing perimyocarditisBeatriz MeleroUniversity of Burgos5561Optimization for Campylobacter separation from different cleanliness samples in slaughterhouse with different combinations of antibioticsSuxing ZhangYangzhou University5598Campylobacter spp.in Shellfish in Croatian mechanism of oxidative stressAndrea HumskiCroatian Veterinary HumskiYangzhou University5565Protein FIhF is involved in the defense mechanism of oxidative stressYing Zhang Yangzhou University	Poster Presentation										
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Epidemiology and Public Health5599Antimicrobial resistance profile of a Campylobacter jejuni strain causing perimyocarditisBeatriz MeleroUniversity of Burgos5561Optimization for Campylobacter separation from different cleanliness samples in slaughterhouse with different combinations of antibioticsSuxing ZhangYangzhou University5598Campylobacter spp.in Shellfish in CroatianAndrea HumskiCroatian Veterinary Institute5598Campylobacter jejuni flagellar regulatory protein FlhF is involved in the defense mechanism of oxidative stressYing Zhang Yangzhou University	5643	Prevalence of <i>Campylobacter</i> spp. contamination in poultry, porcine, bovine, and ovine liver in Ireland	Olwen Golden	Department of Agriculture, Food and the Marine, Ireland							
Antimicrobial resistance profile of a Campylobacter jejuni strain causing perimyocarditisBeatriz MeleroUniversity of Burgos5561Optimization for Campylobacter separation from different cleanliness samples in slaughterhouse with different combinations of antibioticsSuxing ZhangYangzhou University5598Campylobacter spp.in Shellfish in CroatianAndrea HumskiCroatian Veterinary InstituteCampylobacter jejuni flagellar regulatory protein FlhF is involved in the defense mechanism of oxidative stressYing Zhang5565Molecular Sub-typing and Pathogen SurveillanceYangzhou University	Epidemiology and Public Health										
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Molecular Sub-typing and Pathogen Surveillance	5565	Campylobacter jejuni flagellar regulatory protein FlhF is involved in the defense mechanism of oxidative stress	Ying Zhang	Yangzhou University							
		Molecular Sub-typing and Pathog	en Surveillance	2							
5548Evaluation of BioNumerics Core Genome and Whole Genome Multilocus Sequence Typing for Campylobacter Outbreak DetectionLavin JosephCDC	5548	Evaluation of BioNumerics Core Genome and Whole Genome Multilocus Sequence Typing for <i>Campylobacter</i> Outbreak Detection	Lavin Joseph	CDC							
5581Capsular Genotype and Lipooligosaccharide Class Genomic Characterizations of Campylobacter jejuni From Food Animals in ChinaXiaoqi ZangYangzhou University	5581	Capsular Genotype and Lipooligosaccharide Class Genomic Characterizations of <i>Campylobacter jejuni</i> From Food Animals in China	Xiaoqi Zang	Yangzhou University							
5583Phylogenetic analysis of Campylobacter species in a multi-host system from a wildlife-rural interface in UgandaMolecular Epidemiology and Public Health Almeida5583Secies in a multi-host system from a wildlife-rural interface in UgandaValterHolecular Epidemiology and Public Health Almeida	5583	Phylogenetic analysis of <i>Campylobacter</i> species in a multi-host system from a wildlife-rural interface in Uganda	Valter Almeida	Molecular Epidemiology and Public Health Laboratory, Hopkirk Research Institute, Massey University							
Prevalence and diversity of Campylobacter Shanrui Wu Qingdao University 5518 carriage by migratory birds at three major Shanrui Wu Qingdao University habitats in China Definition Definition Definition	5518	Prevalence and diversity of <i>Campylobacter</i> carriage by migratory birds at three major habitats in China	Shanrui Wu	Qingdao University							



The 21st International Workshop on *Campylobacter*, *Helicobacter* and Related Organisms November 14^{*} - 19[°],2022 Yangzhou, China

5547	Two novel <i>Campylobacter</i> species from cat	Hairui Wang	ICDC, China CDC						
5572	Isolation and Molecular Sub-typing of Campylobacter jejuni and Campylobacter coli in China	Maojun Zhang	ICDC, China CDC						
	Pathogenesis and Host Ada	aptation							
5527	The Mla phospholipid transport system alter the <i>Campylobacter jejuni</i> outer membrane properties	Agnieszka Sałamaszyńs ka-Guz	Warsaw University of Life Sciences						
5574	A family case infection and genomic characterization of <i>Campylobacter jejuni</i> associated with perimyocarditis	Irene Ortega Sanz	University of Burgos, Spain						
4612	Diverse sensory repertoire of paralogous chemoreceptors Tlp2, Tlp3 and Tlp4 in <i>Campylobacter jejuni</i>	Bassam Elgamoudi	Institute for Glycomics						
Host Interaction and Immunology									
5600	Phase variable genes identification in a Campylobacter jejuni strain causing perimyocarditis	Jordi Rovira	University of Burgos						
	Clinical Treatment of Helicobac	eter Infections							
4958	High-dose dual therapy versus culture-based susceptibility-guided therapy as a rescue regimen for <i>Helicobacter pylori</i> infection: a randomized controlled trial	Zhe Zhao	Department of Gastroenterology, Daping Hospital, the Army Medical University						
5537	Successful application of <i>Helicobacter pylori</i> personalized treatment via novel gastric string test and qPCR	Xinyuan Han	Shenzhen Luohu People's Hospital						
	Taxonomy and Unique Biology of Cam	<i>pylobacterota</i> sp	becies						
5540	Genetic Characteristics of Lipooligosaccharide (LOS) and Capsular Polysaccharide (CPS) of <i>Campylobacter</i> <i>jejuni</i> from Different Sources in China	Xiaoli Chen	ICDC, China CDC						



The 21[°] International Workshop on *Campylobacter*, *Helicobacter* and Related Organisms November 14[°] - 19°,2022 Yangzhou, China

Agenda

Day 2, Nov 15th, 2022

Time						Contonto	Chairman	Heat		
GMT+8	3	GM	T-5	(GMT+1	Contents	Chairman	Host		
13:30-14:00		0:30-	1:00	6:30-7:00		Welcome and Opening Session	Prof. Jiao Xinan	Chinese Association of Animal Science and Veterinary Medicine (CAAV), Yangzhou University		
							Prof. Shen Jianzhong	China Agricultural University		
							Prof. Zhang	ICDC, China		
							Jianzhong	CDC		
14:00-14:	10) 1:00-1:10		7	:00-7:10	Conference	-	CHRO		
				C - !	instruction		organizer			
Time Scientific Presentation										
Number	GN	MT+8 GMT-		-5 GMT+1		Contents	Speaker	Institute		
	Invited Speaker									
	14 1	4:10- 4:40	1:10 1:40)-)	7:10- 7:40	Global differences in <i>Campylobacter</i> epidemiology and genetics	Ben Pascoe	University of Oxford		
			Δ	\nti	biotics and	Antimicrobial Resista	ance	<u> </u>		
4639	14 1	4:40- 4:55	1:40	5	7:40- 7:55	Geno- and phenotypic comparison of antimicrobial resistance in <i>Campylobacter</i> spp. isolates from Vietnam and Germany	Michael Zarske	German Federal Institute for Risk Assessment, Department Biological Safety, National Reference Laboratory for <i>Campylobacter</i>		
4611	14 1	4:55- 5:05	1:55 2:05	5	7:55- 8:05	Quorum sensing and biofilm formation of <i>Campylobacter</i> <i>jejuni</i> are inhibited by decanoic and lauric acids	Shenmiao Li	McGill University		

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5555	15:05- 15:15	2:05- 2:15	8:05- 8:15	Prevalence, Whole genome sequence and antimicrobial resistance of <i>Campylobacter</i> spp. Isolates in pets in Shenzhen	Changyan Ju	Nanshan Center for Disease Control and Prevention, Shenzhen, China
	15:15- 15:25	2:15- 2:25	8:15- 8:25	C	offee break	
		•	Epidemiol	ogy and Public Health		
	15:25- 15:45	2:25- 2:45	8:25- 8:45	Worldwide Helicobacter pylori Phage Study: Genome Analysis, Epidemiology, Clinical Data, until New Phage-based Medicine Candidate	Ricky Indra Alfaray	Department of Environmental and Preventive Medicine, Faculty of Medicine, Oita University
5563	15:45- 16:00	2:45- 3:00	8:45- 9:00	Molecular Epidemiological Study on <i>Campylobacter</i> in the Fresh Chicken process in Chinese Commercial Kitchens	Honggang Lai	Yangzhou University
5590	16:00- 16:20	3:00- 3:20	9:00- 9:20	Evidence on linking Bacterial Etiologies with stunted childhood growth and overgrowth of small intestinal bacterial taxa impacting vulnerable child gut health	Habib Bokhari	Kohsar University Murree
5536	16:20- 16:45	3:20- 3:45	9:20- 9:45	Survival of different sequence types of <i>Campylobacter</i> <i>jejuni</i> and risks during handling in the kitchen	Ingrid Hansson	Swedish University of Agricultural Sciences
5511	16:45- 16:55	3:45- 3:55	9:45- 9:55	Gull species as a source of <i>Campylobacter</i> in a densely populated urban area	Alicia Manzanares Pedrosa	Unitat mixta d'Investigació IRTA-UAB en Sanitat Animal. Centre de Recerca en

		ri S S	The 21 ^º Inte <i>Heli</i>	ernational Workshop on <i>icobacter</i> and Related Or November 14 [*] - 19 [°] ,2022 Yangzhou, China	<i>Campylobacter</i> ganisms	
						Sanitat Animal (CReSA)
	16:55-	3:55-	9:55-	I	Discussion	
	17:25	4:25	10:25	Break		
			In	vited Speaker		
5649	18:30- 18:50	5:30- 5:50	11:30- 11:50	Epigenome microevolution associated with DNA methyltransferases' sequence-specificity alteration in <i>H.</i> <i>pylori</i>	Masaki Fukuyo	Chiba University
5647	18:50- 19:18	5:50- 6:18	11:50- 12:18	Pinpoint adaptive evolution emerging from >1000 genome comparison	Ichizo Kobayashi	University of Tokyo
		Genomics	, Proteomi	cs, Glycomics and Oth	er -Omics	
5553	19:18- 19:40	6:18- 6:40	12:18- 12:40	Application of TraDIS to define the core essential genome of <i>C. jejuni</i> and <i>C. coli</i>	Emily Stoakes	University of Cambridge
4962	19:40- 20:07	6:40- 7:07	12:40- 13:07	The pangenomics of <i>Campylobacter</i> populations isolated during poultry processing at three New Zealand processing plants	Patrick Biggs	Massey University
	20:07- 20:20	7:07- 7:20	13:07- 13:20	C	offee Break	
5644	20:20- 20:44	7:20- 7:44	13:20- 13:44	Complementary Ribo-seq approaches map the translatome and provide a small protein census in <i>Campylobacter</i> <i>jejuni</i>	Sarah Svensson	University of W ürzburg
4702	20:44- 21:08	7:44- 8:08	13:44- 14:08	A Stochastic, mathematical model for analysing phase variation induced phenotypic switching	Jonathan Holmes	University of Leicester
5542	21:08- 21:19	8:08- 8:19	14:08- 14:19	Species Classification and Novel Plasmid	Guilan Zhou	ICDC, CDC China

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				Identifications in		
				Arcobacter		
				cryaerophilus and		
				Arcobacter		
				cryaerophilus-like		
				Organisms		
				Host ecology and		
5551	21:19-	8:19-	14:19-	recombination in the	Evangelos	University of
5554	21:37	8:37	14:37	Campylobacter	Mourkas	Oxford
				genus		
				Identification and analysis of iron		
4067	21:37-	8:37-	14:37-	uptake systems in a	Molly	University of
4907	21:46	8:46	14:46	large database of C.	Webster	Leicester
				<i>jejuni</i> and <i>C. coli</i>		
				isolates		
	21.46	9.16	14.46	Genome Detectives: The Power of Engaging Citizen	Enonado	L'airraraitre of
5566	21:40-21:53	8:53	14:53	Scientists in the Curation of	Colles	Oxford
				Nucleotide		
				Sequencing Data		
				Investigating the role		
	21:53-	21:53-	14:53-	of FlhF involved in		Yangzhou
5529	22:01	22:01	15:01	flagellar synthesis in	Xiaofei Li	University
			10101	Campylobacter		<i>c</i> , <i>c</i> , <i>y</i>
				jejuni		
	22:01-	9:01-	15:01-	т	Discussion	
	22:30	9:30	15:30	· · · ·	-15-U051011	



Day 3, Nov 16th, 2022

NumberImage: Time index	Scientific Presentation							
NumberGMT+8GMT-5GMT+1ContentsSpeakerInstitute13:300:30-6:30-Helicobacter pyloriLong-HeonVrosci13:590:596:59-multi-cagA genotypeChaUniversity14:371:377:37-Contrasting the population structureDaniel PatseurShanghai Pasteur481814:37-1:37-7:37-Control of Campylobacter polori and humans.Institute of Environment481814:37-1:36-7:56-Control of Campylobacter poultry processing plantsInstitute of Environment556715:10-2:108:10-Detection of Campylobacter DNA in contered and processing plantsFrances CollesUniversity of Agriculural Sciences556715:29-2:29-8:29-Networdsing Control of armsFrances CollesSwedish University of Agriculural Sciences553515:29-2:29-8:29-Production of Campylobacter jejini in biofilms and sensitivity of various disinfectant substancesSwedish483615:52-2:52-8:52-Ritigation strategies for Campylobacter in biofilms and substancesAnna-Delia Hanson483615:52-2:52-8:52-Ritigation strategies for Campylobacter in biofilms and substancesAnna-Delia Hanson483616:04-3:049:04-TwoTwo496516:04-3:04-9:04-TwoTwo496516:04-3:04-<	Numbor		Time		Contonta	Speelson	Institute	
Image: Section in the s	Number	GMT+8	GMT-5	GMT+1	Contents	Speaker	Institute	
				Inv	vited speaker			
		13:30-	0:30-	6:30-	Helicobacter pylori	Jeong-Heon	Yonsei	
13:59- 14:370:59- 1:376:59- 7:37Contrasting the population structure of Helicobacter pylori and humans.Daniel Pateur FalushShanghai Pasteur Institute481814:37- 14:561:37- 1:567:37- 7:37- 7:37- 7:37- 7:37- 7:37- 7:37- 7:37- 0rcentrations during poltry processing at processing plantsJoanne Joanne KingsburyInstitute of Institute of al Science al Science al Science al Science481814:37- 14:561:56- 2:107:56- 8:10Control of Campylobacter poltry processing plantsJoanne Institute of al Science al Science al Science al Science556715:10- 15:292:10- 2:298:10- 8:29Detection of Campylobacter DNA in commercial chicks; implications for control on farmsFrances CollesUniversity of Oxford553515:29- 15:522:29- 2:528:29- 8:29-Production of Campylobacter jejuni in biofilms and sensitivity of various disinfectant substancesIngrid HansoonSwedish University of Agricultural Sciences483615:52- 16:042:52- 3:048:52- 9:04Evaluation of different risk mitigation strategies along the raw milk supply chainIngrid Herbstmain Biological Safety490516:04- 16:143:04- 9:049:04- 0:04- Campylobacter along the raw milk supply chainTwo Ying LiBeijing Beijing Beijing Beijing Beijing Biological Safety		13:59	0:59	6:59	multi-cagA genotype	Cha	University	
					Contrasting the		Shanahai	
$ \begin{array}{ c c c c c c } \hline 14:37 & 1:37 & 7:37 & of Helicobacter pylori and humans. \\ \hline 14:37 & 1:37 & 7:37 & of Helicobacter pylori and humans. \\ \hline 14:37 & 1:37 & 7:37 & Control of Control of Complobacter concentrations during poultry processing at three New Zealand processing plants \\ \hline 14:37 & 1:37 & 7:37 & Concentrations during poultry processing plants \\ \hline 14:36 & 1:56 & 7:56 & 0.56 &$		13:59-	0:59-	6:59-	population structure	Daniel	Dasteur	
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Hisk Assessment and Courtol Strategies in The Industry481814:37- 14:361:37- 1:367:37- 7:37- 7:37- 7:37- 7:36Control of Campylobacter poultry processing at processing plantsJoanne KingsburyInstitute of Environment al Science and Research14:36- 15:101:567:56- 2:10Detection of Campylobacter DNA in commercial chicks; implications for control on farmsFrances CollesUniversity of Oxford556715:10- 15:292:10- 2:298:10- 8:29Detection of Campylobacter DNA in commercial chicks; implications for control on farmsFrances CollesUniversity of Oxford553515:29- 15:522:29- 2:52- 15:528:29- 2:52Production of campylobacter jejuni in biofilms and sensitivity of various disinfectant substancesSwedish University of Agricultural Sciences483615:52- 16:042:52- 3:048:52- 9:04Evaluation of different risk mitigation strategies for Campylobacter along the raw milk supply chainGerman Federal Institute for Risk Assessment, Department Biological Safety496516:04- 16:143:04- 9:149:04- 9:14Two Campylobacteriosis outbreaks might beBeijing Center for Disease					<i>pylori</i> and humans.		mstitute	
481814:37- 14:561:37- 1:567:37- 7:37- 7:56Control of Campylobacter concentrations during poultry processing at three New Zealand processing plantsJoanne KingsburyInstitute of Environment al Science and Research14:56- 15:101:567:56- 2:107:56- 8:10Detection of Campylobacter DNA in commercial chicks; implications disinfectant sing sing sing sing sing sing sing sing		Ri	sk Assessn	nent and C	ontrol Strategies in Th	e Industry		
481814:37- 14:561:37- 1:567:37- 7:37- 7:56Campylobacter concentrations during poultry processing at three New ZealandJoanne KingsburyInstitute of Environment al Science and Research14:56- 15:101:56 2:107:56- 2:107:56- 8:10- 2:107:56- 8:10- 2:10Detection of Campylobacter DNA in commercial chick; implications for control on farmsFrances CollesUniversity of Oxford556715:10- 15:292:10- 2:298:10- 8:29Production of Campylobacter DNA in commercial chick; implications disinfectant substancesFrances CollesUniversity of Oxford553515:29- 15:522:29- 2:528:52- 8:52- 9:04Production of Campylobacter jejuni in biofilms and sensitivity of various disinfectant substancesSwedish University of Agricultural Sciences483615:52- 16:042:52- 3:048:52- 9:04Evaluation of different risk mitigation strategies for Campylobacter along the raw milk supply chainGerman Federal Institute for Risk Assessment, Department Biological Safety496516:04- 16:143:04- 9:149:04- 9:14Two Campylobacteriosis outbreaks might beBeijing Center for Disease					Control of			
4818 $14:37$ - $14:56$ $1:37$ - $1:56$ $7:37$ - $7:56$ concentrations during poultry processing at three New Zealand processing plantsJoanne KingsburyEnvironment al Science and Research $14:56$ $1:56$ $7:56$ $Corfee$ break $Corfee$ break $14:56$ $1:5:10$ $2:10$ $8:10$ $Corfee$ break $University of$ 5567 $15:10$ $2:29$ $8:10$ $Campylobacter$ DNA in commercial chicks; implications for control on farmsFrances Colles $University of$ 5535 $15:29$ $2:29$ $8:29$ $Production of$ $Campylobacter jejuniin biofilms andsensitivity of variousdisinfectantsubstancesIngridHanssonSwedishUniversity ofAgriculturalSciences483615:52-16:042:52-3:048:52-9:04Evaluation ofdifferent riskmitigation strategiesfor Campylobacteralong the raw milksupply chainAnna-DeliaHerbstmannBiologicalSafety496516:04-16:143:04-9:149:04-9:04TwoCampylobacteriosisoutbreaks might beYing LiBeijingCenter forDisease$					Campylobacter		Institute of	
$\begin{array}{ c c c c c c } \hline 4310 & 14:56 & 1:56 & 7:56 & poultry processing at three New Zealand processing plants & Kingsbury & al Science and Research \\ \hline 14:56 & 1:56 & 7:56 & Coffee break \\ \hline 15:10 & 2:10 & 8:10 & Coffee break \\ \hline 15:10 & 2:10 & 8:10 & Coffee break \\ \hline 15:29 & 2:29 & 8:29 & Control on farms & Colles & Colles \\ \hline 15:29 & 2:29 & 8:29 & Control on farms & Colles & Colles & Colles \\ \hline 15:29 & 2:29 & 8:29 & Control on farms & Colles & Colles & Colles \\ \hline 15:29 & 2:29 & 8:29 & Control on farms & Control on farms & Colles & Colles$	1010	14:37-	1:37-	7:37-	concentrations during	Joanne	Environment	
Image: constraint of the section o	4010	14:56	1:56	7:56	poultry processing at	Kingsbury	al Science	
					three New Zealand		and Research	
$ \begin{array}{ c c c c } 14:56- & 1:56- & 7:56- \\ 15:10 & 2:10 & 8:10 & & \\ \hline \begin{tabular}{ c c c } \hline \begin{tabular}{ c c } \hline $					processing plants			
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556715:10- 15:292:10- 2:298:10- 8:29Detection of Campylobacter DNA in commercial chicks; implications for control on farmsFrances CollesUniversity of Oxford553515:29- 15:522:29- 2:528:29- 8:52Production of Campylobacter jejuni in biofilms and sensitivity of various disinfectant substancesIngrid HanssonSwedish University of Agricultural Sciences483615:52- 16:042:52- 2:52-8:52- 8:52-Respective of Campylobacter jejuni in biofilms and sensitivity of various disinfectant substancesGerman Federal Institute for Risk Assessment, Department Biological Safety483615:52- 16:042:52- 3:048:52- 9:04Evaluation of different risk mitigation strategies for <i>Campylobacter</i> along the raw milk supply chainAnna-Delia HerbstmannGerman Federal Institute for Risk Assessment, Department Biological Safety496516:04- 16:143:04- 3:149:04- 9:14Two Campylobacterisis outbreaks might beYing LiBeijing Center for Disease		15:10	2:10	8:10				
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		10:14	5:14	9:14	outbreaks inight be		Disease	



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				asymptomatic cook		Prevention			
				carrier		and Control			
				Whole genome-based					
				surveillance of		Robert			
5595	16:14-	3:14-	9:14-	German clinical	Sangeeta	Koch-			
0070	16:22	3:22	9:22	Campylobacter jejuni	Banerji	Institute			
				isolates identifies					
				dominant clusters					
	16:25-	3:25-	9:25-	D	iscussion				
	16:55	3:55	9:55	2					
		T	T	Break					
				Chairman Report:					
	18:30-	5:30-	11:30-	Campylobacter as a	Xinan Iiao	Yangzhou			
	18:45	5:45	11:45	foodborne pathogen	Aman Jiao	University			
				in poultry production					
Invited speaker									
				Sink or swim,					
	18:45-	5:45-	11:45-	Campylobacter	Christine	University of			
	19:24	6:24	12:24	survival in the	Szymanski	Georgia			
				intestine					
	Methods of Detection, Identification and Characterization								
				Rapid Identification					
				of Campylobacter					
				jejuni using Single-					
	10.24	6.24-	12.24-	cell Raman		McGill			
4606	19.24-	6.43	12.24-	Spectroscopy	Kaidi Wang	University			
	17.45	0.45	12.43	Combined with		Oniversity			
				Conditional					
				Generative					
				Adversarial Network					
				Determination of					
				viable-but-non-					
				culturable					
				Campylobacter jejuni					
4842	19:43-	6:43-	12:43-	in chicken using	Jingbin	McGill			
7072	20:04	7:04	13:04	quantitative PCR	Zhang	University			
				combined with					
				propidium					
				monoazide					
				pretreatment					
	20:04-	7:04-	13:04-		ffee break				
	20:10	7:10	13:10						
				Virulence and					
5512	20:10-	7:10-	13:10-	infectious assessment	lingrang Lu	LISEDA			
5512	20:19	7:19	13:19	of a Campylobacter		USEI A			
				jejuni 63A isolated					



The 21[°] International Workshop on *Campylobacter*, *Helicobacter* and Related Organisms November 14[°] - 19[°],2022

				from California gull excreta		
5588	20:19- 20:28	7:19- 7:28	13:19- 13:28	<i>Campylobacter</i> in the database of knowledge gaps	Ingrid Hansson	Swedish University of Agricultural Sciences
5562	20:28- 20:37	7:28- 7:37	13:28- 13:37	Phenotypic Characterization of Clinical <i>Campylobacter jejuni</i> Isolates	Irene Ortega Sanz	University of Burgos
4954	20:37- 20:52	7:37- 7:52	13:37- 13:52	Platforms of Gastrointestinal- bacterial Ultrasensitive Native-sample Detection with Aptasensors in Modularization (GUNDAM): The Opening Chapter	Zhe Chi	Ocean University of China
	20:55- 21:25	7:55- 8:25	13:55- 14:25	D	iscussion	



Day 4, Nov 17th, 2022

	Scientific Presentation									
Numbor		Time	1	Contonts	Spookor	Instituto				
Number	GMT+8	GMT-5	GMT+1	Contents	Speaker	mstitute				
	1		Inv	rited Speaker		1				
	13:30- 13:58	0:30- 0:58	6:30- 6:58	Campylobacter- host interaction CDT	Zhen He	Sun Yat-sen University				
5651	13:58- 14:39	0:58- 1:39	6:58- 7:39	<i>Campylobacter</i> pathogenesis and the chicken microbiome	Ozan Gundogdu	London School of Hygiene and Tropical Medicine				
		Р	athogenesis	s and Host Adaptatio	'n					
	14:39- 14:53	1:39- 1:53	7:39- 7:53	Identification of Flagella and Outer Membrane Protein Genes associated with Biofilm Formation	Kartika Afrida Fauzia	Department of Environmental and Preventive Medicine, Oita University Faculty of Medicine				
	14:55-	1:55-	7:55-		Coffee break					
	15:05	2:05	8:05	`		1				
5530	15:05- 15:28	2:05- 2:28	8:05- 8:28	Contributions of phase variation to chickens colonisation, gastrointestinal spread and liver invasion in chickens by <i>Campylobacter</i> jejuni	Chris Bayliss	University of Leicester				
4608	15:28- 15:39	2:28- 2:39	8:28- 8:39	The Campylobacter jejuni Type VI secretion system displays roles in intrabacterial antagonism and human host-cell interaction.	Zahra Omole	London School of Hygiene and Tropical Medicine				

		C R R R R	The 21 [°] Inter <i>Helic</i>	mational Workshop on obacter and Related O November 14 [*] - 19 [°] ,2022 Yangzhou, China	<i>Campylobacter,</i> rganisms	
5539	15:39- 15:52	2:39- 2:52	8:39- 8:52	Genetic and Phenotypic Variation of <i>Campylobacter</i> <i>jejuni</i> NCTC11168 during Laboratory Passage	Xiaoli Chen	ICDC, CDC China
			Physiolo	gy and Regulation		
5580	15:52- 15:59	2:52- 2:59	8:52- 8:59	<i>Campylobacter</i> <i>jejuni</i> energy taxis to L-fucose	Bibi Zhou	University of Georgia
		H	Iost Interac	tion and Immunolog	y	
4882	15:59- 16:21	2:59- 3:21	8:59- 9:21	The glycoconjugate vaccine against <i>Campylobacter</i> <i>jejuni</i>	Harald Nothaft	University of Alberta
4837	16:21- 16:30	3:21- 3:30	9:21- 9:30	<i>Campylobacter</i> <i>jejuni</i> induces the unfolded protein response in human intestinal epithelial cells	Geunhye Hong	Department of Infection Biology, London School of Hygiene and Tropical Medicine
	16:30-	3:30-	9:30-		Discussion	
	17:00	4:00	10:00			
				Break		
	18:30- 19:05	5:30- 6:05	11:30- 12:05	Chairman report:40 years ofHelicobacter pyloriresearch-Chinacontributions andprogresses	Yuanhai You, Jianzhong Zhang	ICDC, CDC China
			Inv	vited speaker		
	19:05- 19:33	6:05- 6:33	12:05- 12:33	Interpretation for <i>Helicobacter pylori</i> ¹³ C-Urea breath test with infrared spectroscopy	Weihong Wang	Peking University First Hospital
5650	19:33- 20:01	6:33- 7:01	12:33- 13:01	Host and Bug Changes During <i>H.</i> <i>pylori</i> -driven Gastric Metaplasia and Dysplasia	Nina Salama	Fred Hutchinson Cancer Research Center
	20:05-20:15	7:05-	13:05-	(Coffee break	

		2 F RO	The 21 [°] Inter <i>Helic</i>	rnational Workshop on obacter and Related O November 14 [*] - 19 [°] ,2022 Yangzhou, China	<i>Campylobacter</i> , rganisms				
5646	20:15- 20:48	7:15- 7:48	13:15- 13:48	Isolation and characterization of non- <i>Helicobacter</i> <i>pylori Helicobacter</i> species infecting human stomach	Emiko Rimbara	National Institute of Infectious Diseases, Tokyo			
Clinical Treatment of <i>Helicobacter</i> Infections									
4828	20:48- 20:55	7:48- 7:55	13:48- 13:55	Helicobacter pylori: Does asymptomatic infection mean no gastroscopic lesions?	Ting Cai	The Third Xiangya Hospital of Central South University			
	20:55- 21:06	7:55- 8:06	13:55- 14:06	Comprehensive Study of <i>Helicobacter pylori</i> Genomic Islands and Their Correlation to Gastric Diseases, Phylogenetic Pattern	Batsaikhan Saruuljavkhla n	Oita University			
	21:10- 21:40	8:10- 8:40	14:10- 14:40		Discussion	1			



Day 5, Nov 18th, 2022

Scientific Presentation									
Numbor		Time	_	Contonto	Speeker	Instituto			
number	GMT+8	GMT-5	GMT+1	Contents	Speaker	Institute			
	13:30- 13:55	0:30- 0:55	6:30- 6:55	Chairman Report : Species shift from <i>C</i> . <i>jejuni</i> to <i>C</i> . <i>coli</i>	Jianzhong Shen	China Agricultural University			
Invited speaker									
5648	13:55- 14:10	0:55- 1:10	6:55- 7:10	Genome-wide association study of gastric cancer- and duodenal ulcer- derived <i>Helicobacter</i> <i>pylori</i> strains reveals discriminatory genetic variations and novel oncoprotein candidates	Koji Yahara	National Institute of Infectious Diseases, Tokyo			
5654	14:10- 14:43	1:10- 1:43	7:10- 7:43	The prophages of <i>Helicobacter pylori</i>	Filipa Vale	Faculty of Pharmacy, Universidade de Lisboa			
Taxonomy and unique biology of <i>Campylobacterota</i> species									
4955	14:43- 14:51	1:43- 1:51	7:43- 7:51	<i>Campylobacter oralis</i> sp. nov., a redefined novel <i>Campylobacter</i> species containing IBD-associated plasmids and csep1 gene	Li Zhang	University of New South Wales			
	14:55- 15:05	1:55- 2:05	7:55- 8:05	Coffee	break				
	10100	Evolution	and ecolog	y: new phylum <i>Campylobad</i>	cterota				
5573	15:05- 15:26	2:05- 2:26	8:05- 8:26	Prevalence and Genetic Characteristics of Arcobacter spp. in China	Maojun Zhang	ICDC, China CDC			
5509	15:26- 15:50	2:26- 2:50	8:26- 8:50	The Evolutionary Path of Chemosensory and Flagellar Macromolecular Machines in <i>Campylobacter</i> ota	Beile Gao	South China Sea Institute of Oceanology, Chinese Academy of Sciences			
4798	15:50- 16:13	2:50- 3:13	8:50- 9:13	Evolutionary Principles of Bacterial Signaling Capacity and Complexity	Ran Mo	South China Sea Institute of Oceanology, Chinese			



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Academy of Sciences Interaction with microbiota and phage Deciphering the association of cecal microbiota with 16:13-3:13-9:13-Iowa State 4643 Jinji Pang 9:38 University 16:38 3:38 Campylobacter colonization status in broiler chickens Campylobacter and phage 16:38-3:38-9:38-Yuanyue Yangzhou 5645 control method in poultry 16:55 9:55 University 3:55 Tang production 4:00-17:00-10:00-Discussion 17:30 4:30 10:30 Break **Invited speaker** Helicobacter pylori uses L-lactate to promote 18:30-5:30-11:30-Karen UC Santa complement resistance 18:56 5:56 11:56 Ottemann Cruz and achieve successful gastric colonization Checks and balances: direct interaction of small RNAs CjNC140 and 18:56-5:56-11:56-Amanda Iowa State CjNC110 optimizes 12:36 19:36 6:36 Kreuder University expression of key pathogenic phenotypes of *Campylobacter jejuni* New Insights into 12:36-Mechanisms that Promote 19:36-6:36-Richard Vanderbilt 5652 20:12 7:12 13:12 H. pylori-Induced Gastric M Peek University Cancer With *H. pylori* in the 20:12-7:12-13:12-Kaisa University of stomach and around the 20:43 7:43 13:43 Thorell Gothenburg world Helicobacter pylori 20:43-7:43-13:43-Immunoproteomics Constanza NIH/NCI 20:59 7:59 13:59 Profiles in Gastric Cancer Camargo and Intestinal Metaplasia Faculty of 20:59-7:59-13:59-The prophages of the Pharmacy, Filipa 5601 21:20 8:20 14:20 genus Helicobacter Vale Universidade de Lisboa Acetylome analysis Department 21:20-8:20-14:20-Desirazu reveals diverse functions 5655 of 21:36 8:36 14:36 N Rao of lysine acetylation in Biochemistry

	RO RO	The 21 ^ª Inte <i>Heli</i>	ernational Workshop on <i>Campylob</i> icobacter and Related Organisms November 14 [°] - 19 [°] ,2022 Yangzhou, China	acter,	
			human pathogen	Indian	
			Helicobacter pylori	Institute of	
				Science	
21:40-	8:40-	14:40-	Discussion		
22:10	9:10	15:10			
22:10-	9:10-	15:10-	Closing remark		
22:15	9:15	15:15			
22:15-	9:15-	15:15-	Next CHBO		
22:20	9:20	15:20	Next CHRO		