# MICROBIOME AND BARRIER IMMUNITY

October 27-October 31, 2025

Arranged by

Ken Cadwell, *University of Pennsylvania* Nicola Harris, *Monash University* Xiaoyu Hu, *Westlake University* Chuan Wu, *National Cancer Institute* 



# MICROBIOME AND BARRIER IMMUNITY

Monday, October 27 - Friday, October 31, 2025

Monday	7:00 pm	1 Barrier Surface I
Tuesday	9:00 am	2 Barrier Surface II
Tuesday	2:00 pm	Poster Session
Tuesday	7:00 pm	3 Microbiome and Tumor
Wednesday	9:00 am	4 Neuro-immune Barrier
Wednesday	1:30 pm	Visit to Old Suzhou*
Wednesday	7:00 pm	5 Host-Microbe Crosstalk I
Thursday	9:00 am	6 Host-Microbe Crosstalk II
Thursday	2:00 pm	7 Infection and Inflammation I
Thursday	6:00 pm	Cocktails and Banquet Sponsored by <b>Shanghai Future Technology Co., Ltd.</b>
Friday	9:00 am	8 Infection and Inflammation II

Oral presentation sessions are located in the CSHA Auditorium
Poster session is in the Lake Front Hall.
Cocktail social hour is held outside in the Suz Garden.
Old Suzhou visits depart from the CSHA lobby
\*optional tour requires additional fee.

Meal locations and times are as follows: Lunch: Main Cafeteria 12:00pm - 1:30pm Dinner: Main Cafeteria 6:00pm - 7:30pm Banquet: Suz Garden 7:00pm

More information will be available at CSHA office. (Map at the end of this abstract book)

# **PROGRAM**

# MONDAY, October 27-7:00 PM

## SESSION 1 BARRIER SURFACE I

# **KEYNOTE SPEAKER**

Microbiome, metabolites and immunity—Defining mechanisms  Kathy D. McCoy [35'+10']  Presenter affiliation: University of Calgary, Calgary, Canada.	1
Neonatal eosinophils orchestrate intestinal barrier maturation and long-term immune homeostasis Ignacio Gonzalez-Perez, Kristina Handler, Isabelle C. Arnold [20'+10'] Presenter affiliation: University of Zürich, Zürich, Switzerland.	2
Protecting the intestinal barrier—A multidimensional spatial organisation calibrates gut responses Wang H. Cao, M. Zeeshan Chaudhry, Cyril Seillet, Kelvin Z. Tuong, Richard Strugnell, Gabrielle T. Belz [20'+10'] Presenter affiliation: University of Queensland, Brisbane, Australia.	3
TUESDAY, October 28—9:00 AM	

SESSION 2 BARRIER SURFACE II

Chairperson: Ken Cadwell, University of Pennsylvania, Philadelphia,

Pennsylvania, USA

# **KEYNOTE SPEAKER**

4

Communication of the microbiome, intestinal stem cells, the mucosal immune system in health and disease

Thaddeus S. Stappenbeck [35'+10']

Presenter affiliation: Cleveland Clinic, Cleveland, Ohio.

Host adaptations to gut microbes	
Ken Cadwell [20'+10'] Presenter affiliation: University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania.	5
Milk osteopontin protects against infant bronchiolitis by enhancing microbiome-mediated extramedullary dendritic cell hematopoiesis  Simon Phipps [20'+10']  Presenter affiliation: QIMR Berghofer, Brisbane, Australia.	6
Break	Ū
Dieak	
Epithelial cell membrane perforation induces allergic airway	
inflammation Kejian Shi, Yao Lv, Chunqiu Zhao, Huan Zeng, Yeqiong Wang, Yuxuan Liu, Lin Li, She Chen, Pu Gao, Feng Shao, Mo Xu [10'+5'] Presenter affiliation: National Institute of Biological Sciences, Beijing, China; Tsinghua University, Tsinghua Institute of Multidisciplinary Biomedical Research, China.	7
Cntnap2 shifts stromal cells from a pro-renewal to a pro- inflammatory state during intestinal inflammation	
Zhihua Liu [10'+5'] Presenter affiliation: Tsinghua University, Beijing, China.	8
mTORC1 wires alveolar macrophage homeostatic programming to facilitate airway homeostasis and defense	
Jiaqi Liu, Zhuoyang Li, Yangyang Li, Shengxiao Zhang, <u>Ya-Ting Wang</u> [10'+5']	
Presenter affiliation: Tsinghua University, Beijing, China.	9
Pathobiological dynamics of the oropharyngeal microbiome are associated with clinical outcomes in Allogeneic stem cell transplantation	
XiaoJin Wu, Yu Zhang, Yali Zheng, Can Wang, Siqi Zhang, Yuqi Zhang, Fangfang Zhou, Curtis Huttenhower, Yan Yan [10'+5'] Presenter affiliation: Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China; Shanghai Institute of Immunity and Infection, Soochow University, Shanghai, China.	10

γδ T cells as barrier guardians against MHC-I-deficient colorectal cancer	
<u>Tianming A. Li</u> , Luke T. Quigley, Kok Fei Chan, David S. Williams, Lisa A. Mielke, Andreas Behren, Jessica Da Gama Duarte [10'+5'] Presenter affiliation: Olivia Newton-John Cancer Research Institute, Melbourne, Australia; La Trobe University, Melbourne, Australia.	11
TUESDAY, October 28—2:00 PM	
POSTER SESSION	
TMBIM2 orchestrates neuroepithelial signaling to maintain gut barrier and immune homeostasis  Jimeng Cui, Yiqian Zhang, Ye Tian Presenter affiliation: Chinese Academy of Sciences, Beijing, China.	12
Age-dependent shifts in plasmablasts and plasmacytoid dendritic cells compartments reveal a critical window for tonsillar immune maturation in children Yang Gao, Jingying Ye Presenter affiliation: Tsinghua University, Beijing, China.	13
Skin aging and microbiome—Probiotic delivery system Ji Hoon Ha, Seung Eun Kim, YeonGyun Jung, Da-Ryung Jung, Ik hwan Kim, Jun Hwan Jang, Jin young Kim, Jun Tae Bae, Jin Mo Kim, Sang-Geun Han, Jae-Ho Shin, Yoon Soo Cho Presenter affiliation: Kolmar Korea, Seoul, South Korea.	14
Habitual diet, gut microbiome dysbiosis, and α-synucleinopathy conversion in isolated REM sleep behavior disorder Bei Huang	
Presenter affiliation: The Chinese University of Hong Kong, Hong Kong, China.	15
Endothelial DDX24 is a shared guardian of BBB and GVB Ying Huang, Yujiao Gong, Huanhuan He	
Presenter affiliation: The Fifth Affiliated Hospital of Sun Yat-sen	

χi

16

University, ZhuHai, China.

Multidisciplinary team approach to a case of undifferentiated fever revealin plasma cell neoplasm complicated by monoclonal immunoglobulin deposition disease and cast nephropathy Daofang Jiang	
Presenter affiliation: Shanghai East Hospital, School of Medicine, Tongji University, Shanghai, China.	17
Distinct gut microbial profiles predict antihistamine outcomes in burn patients with post-burn pruritus  Yeongyun Jung, SoHyun Yeo, Ryeong-Hui Kim, Eun Kyung Lee, Jae-Ho Shin, Yoon Soo Cho	
Presenter affiliation: Hallym University College of Medicine, Seoul, South Korea.	18
Biofilm-mediated <i>Enterococcus–E. coli</i> interactions in a catheter model of ICU colonization  Philip A. Karlsson, Josef D. Järhult, Helen Wang  Presenter affiliation: Uppsala University, Uppsala, Sweden.	19
Gut-liver-heart axis and TMAO-driven inflammation in heart failure Samat Kozhakhmetov, Almagul Kushugulova Presenter affiliation: National Laboratory Astana, Nazarbayev	
University, Astana, Kazakhstan.	20
Barrier dysfunction and cytokine-driven inflammation in chronic heart failure  Almagul Kushugulova, Samat Kozhakhmetov  Presenter affiliation: National Laboratory Astana, Nazarbayev University, Astana, Kazakhstan.	21
Investigation of biomarkers governing the gut-liver axis in drug- induced hepatotoxicity  Zhanagul Khassenbekova, Dinar Tarzhanova, Indira Uyzbayeva, Akmaral Zhantureyeva, Samat Kozhakhmetov, Almagul Kushugulova Presenter affiliation: National Laboratory Astana, Nazarbayev	
University, Astana, Kazakhstan.	22

Bile acid-LPCAT1 axis governs intestinal barrier homeostasis and symptoms in diarrhea-predominant irritable bowel syndrome Lixiang Zhai, Baohua LI, Shujun Xu, Zhaoxiang Bian, Haitao Xiao, Hoi Leong Xavier Wong, Jiao Peng, Yingdi Zhang, Jiayu He, Gengyu Bao, Wenyu Fang, Yunlyu Li, Huan Deng, Ling Zhao, Ziwan Ning, Junfang Lyu, Chengyuan Lin, Qin Liu	
Presenter affiliation: Hong Kong Baptist University, Hong Kong SAR, China; Shenzhen University, Shenzhen, China.	23
Xbp1 links gut milieu and ILC2 functionality via one-carbon metabolism Yanyan Cui, Jing Shen, Shiyang Li Presenter affiliation: Shandong University, Jinan, China.	24
Porphyromonas gingivalis promotes pancreatic cancer through GSDMD-mediated pyroptosis of macrophages Haoyu Li, Yuke Li, Yibing Han, Peihui Ding Presenter affiliation: Stomatology Hospital, Zhejiang University School of Medicine, Hangzhou, China.	25
LC-MS profiling reveals bioactive peptidoglycan fragments derived from Lactobacilli that confer intestinal protection in hosts Yaquan Liang, Yuan Qiao Presenter affiliation: Nanyang Technological University, Singapore.	26
High-resolution genomic resource of human oral and airway microbiomes highlights uncultured diversity and common disease associations  Yawen Ni, Xiaohui Zou, Qing Zhang, Shenghui Li, Yue Zhang, Chun Wang, Xiaoxuan Yao, Bin Cao  Presenter affiliation: Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China; China-Japan Friendship Hospital, Beijing, China.	27
P. gingivalis translocates to pancreas and promotes PDAC progression via supernatant-mediated CD8 <sup>+</sup> T cell dysfunction Chengli Zhang, <u>Yuanyi Qian</u> , Zhiyong Wang, Peihui Ding Presenter affiliation: Zhejiang University, School of Medicine, Hangzhou, China.	28

Brg1-imprinted chromatin status controls the effector and memory ILC2 metabolism to exacerbate allergic lung inflammation  Jinxin Qiu, Ju Qiu  Presenter affiliation: Shanghai Institute of Nutrition and Health, University of Chinese Academy of Sciences, Chinese Academy of Sciences, Shanghai, China.	29
Metagenomic characterization of gut microbiota in individuals with low cardiovascular risk Ainur T. Tauyekelova, Aliya I. Sailybayeva, Makhabbat S. Bekbossynova, Almagul R. Kushugulova Presenter affiliation: Corporate Fund University Medical Center, Astana, Kazakhstan.	30
High-throughput functional analyses of the genetic drivers of inflammatory bowel disease  Mario Loeza-Cabrera, Ciara Hosea, Adrien Assie, <u>Buck S. Samuel</u> Presenter affiliation: Baylor College of Medicine, Houston, Texas.	31
Metagenomic characterization of gut microbiota in individuals with low cardiovascular risk  Ainur T. Tauyekelova, Aliya I. Sailybayeva, Makhabbat S.  Bekbossynova, Almagul R. Kushugulova  Presenter affiliation: Corporate Fund "University Medical Center",  Astana, Kazakhstan.	32
Distinct microbiome variation in children and adults following RSV infection and its association with host response Qi Wang, Yulin Zhang, Bo Liu, Lin Sun, Xiaohui Zou, Bin Cao Presenter affiliation: Second Affiliated Hospital of Harbin Medical University, Harbin Medical University, Harbin, China; China-Japan Friendship Hospital, Beijing, China.	33
Bile acid synthesis dysregulation in liver diseases promotes ectopic expansion of oral streptococci in the intestine Yugui Wang Presenter affiliation: College of Veterinary Medicine, Chinese Academy of Agricultural Sciences, Lanzhou, China; Key Laboratory of Veterinary Parasitology of Gansu Province, Lanzhou, China; Shanxi Agricultural University, College of Veterinary Medicine, Taigu, China.	34

Beyond the skin—Immune-metabolic crosstalk in psoriasis and	
its multi-organ metabolic consequences	
Jiaqi Wu, Shuangshuang Liu, Wei Dan, Xiao Tong, Jingyi Gong,	
Jindian Xu, Weiwei Chen, Yu Gu, Yanmei Wang, Zimeng Li, Yingli Jia,	
Li-Hao Huang	35
Presenter affiliation: Fudan University, Shanghai, China.	33
Gut microbial metabolite butyrate suppresses hepatocellular carcinoma growth via CXCL11-dependent enhancement of natural killer cell infiltration  Menghan Zhang, Xuefeng Huang, Xi Wang, Huichun Xing  Presenter affiliation: Beijing Ditan Hospital, Beijing, China.	36
Associations between MTA1 and carcinogenesis of oral leukoplakia—Evidence from cohort studies and functional analyses	
Qiyue Zhang, <u>Jinhan Zhou</u> , Zhiyong Wang Presenter affiliation: Zhejiang University , School of Medicine,	
Hangzhou, China	37
Fusobacterium nucleatum-driven PD-L1 upregulation shapes an immunoe evasive tumor microenvironment in HPV-negative oral cavity squamous cell carcinoma tumor (OSCC)  Hengyan Zhu, Jason Yk Chan, Zigui Chen Presenter affiliation: The Chinese University of Hong Kong, Hong	38
Kong, China.	38
Sleep deprivation in adolescence aggravates allergic airway inflammation in adults	
<u>Lin Zhu</u> , Xiaozhou Wu, Jinhao Yang, Bowen Shang, Jiale Chen Presenter affiliation: Tianjin Medical University, Tianjin, China.	39
Respiratory commensal <i>Streptococcus</i> regulates innate immunity to protect against influenza infection <u>Xiaohui Zou</u> , Bo Liu, Bin Cao	
Presenter affiliation: China-Japan Friendship Hospital, Beijing, China.	40
Helminth reshapes host gut microbiota and immunoregulation by deploying an antimicrobial program of innate immunity Yang Zou	
Presenter affiliation: Lanzhou University, Lanzhou, China; Chinese Academy of Agricultural Sciences, Lanzhou, China.	41

SESSION 3	MICROBIOME AND TUMOR	
Chairperson: Nicola Harris, Monash University, Melbourne, Austral		
bowel disease Aidil Zaini, Hao Melton, Peter G [20'+10'] Presenter affilia	actors that drive mucosal healing in inflammatory zhe Wang, Daniel Gankin, Emma Halmos, Sarah Gibson, Benjamin J. Marsland, Nicola L. Harris ation: School of Translational Medicine, Monash bourne, Australia.	42
strategies for Lisa A. Mielke Presenter affilia	ation: Olivia Newton-John Cancer Research Institute, stralia; La Trobe Institute of Molecular Science,	43
Immunoregulation in the proximal intestine—Learning from human immune enteropathies  Nadine Cerf-Bensussan [20'+10']  Presenter affiliation: INSERM and Université Paris Cité, Paris, France.		
infestation <u>Jiali Yan</u> , Tetsu Hirotaka Kanuk [10'+5'] Presenter affilia	s potential effector cells in host resistance to tick to Kobayashi, Maki Mizumura, Kayoko Yamaji, ka, Hiroko Matsunaga, Haruko Takeyama, Kazuyo Moro ation: Laboratory for Innate Immune Systems, Graduate cine, Suita, Japan.	45
ILC1 to aid ski Tetsuro Kobaya	ress drives ATP-dependent AREG production from in epithelial turnover ashi [10'+5'] ation: RIKEN IMS, Yokohama, Japan.	46
in pouchitis Chaoting Zhou Ventre, Jordan Presenter affilia	Jing Yu Carolina Cen Feng, Shan Liu, Katherine Axelrad, Kyung Ku Jang, Ken Cadwell [10'+5'] ation: University of Pennsylvania Perelman School of delphia, Pennsylvania.	47

# WEDNESDAY, October 29-9:00 AM

5	SESSION 4	NEURON-IMMUNE BARRIER	
(	Chairperson:	Heping Xu, Westlake University, Hangzhou, China	
	Xinzhong Dong	tion: Johns Hopkins University School of Medicine,	48
	inflammation Heping Xu [20]	lation of intestinal immune homeostasis and '+10'] tion: Westlake University, Hangzhou, China.	49
	Lai Guan Ng [2	One-trick leukocytes? 20'+10'] tion: Westlake University, Hangzhou, China.	50
	Break		
	Chenghua Gu	tion: Harvard Medical School, HHMI, Boston,	51
	neuroimmune Haozhe Wang, A Butler, Connie V Bornstein, Nicol	une profiling of enteric nervous system and crosstalk Aidil Zaini, Bailey Cardwell, Matthew C. Rowe, Alana Wong, Daniel P. Poole, Benjamin Marsland, Joel C. la L. Harris [10'+5'] tion: Monash University, Melbourne, Australia.	52
	post-stroke em Yuan Liu, Yuting	trophil extracellular traps induces astrogliosis and notional disorders g Ge, Zhengrun Gao [10'+5'] tion: Shanghai Jiao Tong University School of ghai, China.	53

The enteric neuron–epithelial–immune axis in barrier immunity Hailong Zhang, Mengmeng Cui, Matthew Waldor [10'+5'] Presenter affiliation: Medical University of South Carolina, Charleston, South Carolina; Harvard Medical School, Howard Hughes Medical Institute, Boston, Massachusetts.  Engineering microbial metabolite delivery to probe the gut– immune axis Lindsey M. Williams, Brad Cleveland, Huiqi Wang, Jack T. Smith, Shijie Cao [10'+5'] Presenter affiliation: University of Washington, Seattle, Washington.		
	Visit to Old Suzhou	
	WEDNESDAY, October 29—7:00 PM	
SESSION 5	HOST-MICROBE CROSSTALK I	
Chairperson:	<b>Read Pukkila-Worley,</b> UMass Chan Medical School, Worcester, Massachusetts, USA	
plasma cell de Kei Haniuda, Na Watts, Gregory Gommerman [	ar helper T cells are required for long-lived IgA velopment following mucosal viral infection atalie Edner, Yuko Makita, Sandhya Appiah, Tania Wu, Thamotharampillai Dileepan, Jennifer 20'+10'] tion: University of Toronto, Toronto, Canada.	56
immunity Read Pukkila-W	rns of pathogenesis in intestinal epithelial <u>Vorley</u> [20'+10'] tion: UMass Chan Medical School, Worcester,	57
and the microk Jenny Ting [20	0'+10'] tion: University of North Carolina at Chapel Hill, Chapel	58

fila Rei Cé Bei	mentous banan Oliveira cilia Luciani, nsussan, Hu	estrate tissue-specific Th17 immunity to segmented acteria in Peyer's patches  Corrêa, Marie Cherrier, Marco M. Rodari, Rose Hardy, Mathieu Fallet, Francesco Carbone, Nadine Cerfgues Lelouard, Valérie Gaboriau-Routhiau [10'+5'] tion: Institute IMAGINE, INSERM U1163, Paris,	
	ince.	uon. Institute ilinative, ilivoentii o i 100, i ans,	59
Sebum amplifies the pathogenic potential of <i>Staphylococcus</i> epidermidis in acne development  Lang Sun, Qingqun Wang, Zheng Yu [10'+5']  Presenter affiliation: Xiangya School of Basic Medical Sciences, Central South University, Changsha, China.			60
(Al- Ped Pre Uni	What AHR we talking about? Host Aryl Hydrocarbon Receptor (AHR) spying on microbial communication and quorum  Pedro Moura-Alves [10'+5']  Presenter affiliation: i3S, Universidade do Porto, Porto, Portugal; University of Oxford, Oxford, United Kingdom; Max Planck Institute for Infection Biology, Berlin, Germany.		
inte We	Microbiota-derived metabolite sensing by SLCO3A1 drives intestinal macrophage differentiation and identity Weiwei Shi, Tiffany Cassmann, Dominik Saul, W. K. Eddie Ip Presenter affiliation: Mayo Clinic, Rochester, Minnesota.		
		SPONSOR TALK	
	ao Chen [10 resenter affili	0'+5'] ation: Absea Biotechnology, Ltd., Berlin, Germany.	
		THURSDAY, October 30—9:00 AM	
SES	SION 6	HOST-MICROBE CROSSTALK II	
Chai	irperson:	Ai Ing Lim, Princeton University, Princeton, New Jersey USA	<b>/</b> ,
Ai I	ng Lim [20'	ring immune partnerships +10'] tion: Princeton University, Princeton, New Jersey,	63

Gut plasma cells—Everything everywhere all at once Oliver Pabst [20'+10']	
Presenter affiliation: RWTH Aachen University, Aachen, Germany.	64
Mucin secreting cells are specialized mucosal immune defenders where their secretions both inhibit and cause disease of the intestine and lung  Gunnar C. Hansson [20'+10']  Presenter affiliation: University of Gothenburg, Gothenburg, Sweden.	65
Break	
Beyond the skin—Immune-metabolic crosstalk in psoriasis and its multi-organ metabolic consequences Jiaqi Wu, Shuangshuang Liu, Wei Dan, Xiao Tong, Jingyi Gong, Jindian Xu, Weiwei Chen, Yu Gu, Shupei Wang, Zimeng Li, Yingli Jia, Paul Li-Hao Huang [10'+5'] Presenter affiliation: Fudan University, Shanghai, China.	66
Gut microbe-derived fatty acid ethanolamides alleviate gastrointestinal symptoms in IBS-D patients with coexisting insulin resistance Shujun Xu, Junfang Lyu, Gengyu Bao, Lixiang Zhai, Zhaoxiang Bian, HoiLeong Xavier Wong [10'+5']	-
Presenter affiliation: Hong Kong Baptist University, Hong Kong, China.  CD103 on naïve CD8+ T cells promotes cytokine-driven acquisition of memory phenotype and effector function  Can Li, Jung-Hyun Park [10'+5']  Presenter affiliation: National Cancer Institute, National Institutes of Health, Bethesda, Maryland.	67
Tuft cells couple type-2 immune circuits to IgA production in Peyer's patches  Gabriel M. Barron, Ramya Narasimhan, Thornton Thompson, Denise Monack, Jakob von Moltke, Michael R. Howitt [10'+5']  Presenter affiliation: Stanford Medicine, Stanford, California.	69
Gut microbiota transforms dietary polyphenols into hydrocinnamic acid to attenuate oxidative stress via multitargets and fuel hippurate synthesis Wanrong Luo, Liyuan Xiang, Wenjie Zhang, Wenhua Lai, Xueting Wu, Minhu Chen, Rui Feng, Yijun Zhu [10'+5'] Presenter affiliation: The First Affiliated Hospital, Sun Yat-Sen University, Guangzhou, China.	70

SESSION 7	INFECTION AND INFLAMMATION I	
Chairperson:	<b>Xinyang Song,</b> Shanghai Institute of Biochemistry and Cell Biology, CAS, Shanghai, China	
interactions wi Adrian C. Hayda Pierre Vantouro Presenter affilia	bsurveillance mediated by T cell receptor th barrier epithelial cells ay, Nicolas Veland, Miguel Muñoz-Ruiz, Robin Dart, ut [20'+10'] tion: King's College London, London, United Kingdom; stitute, London, United Kingdom.	71
Jie Zhou, Yuxin	thelial-immune cells cross-talk in neonatal intestine Zhang, Yuchao Jing, Juan He [20'+10'] tion: Tianjin Medical University, Tianjin, China.	72
Xinyang Song	tion: CAS Center for Excellence in Molecular Cell	73
tipping point to Adriana Pliego Z Vajjhala, Paul R Bielefeldt-Ohma	on and the gastrointestinal tract—Is the gut the severe disease?  Zamora, Jaehyeon Kim, Naphak Modhiran, Parimala tract. Young, Daniel Watterson, Yuji Sekiguchi, Helle ann, Dieter Tourlousse, Katryn J. Stacey [10'+5'] tion: The University of Queensland, Brisbane,	74
Break		
peptide inhibits Chenxi Zhu, Ziq Wen Zhang, Pir [10'+5']	tes SARS-CoV-2 infection and its SRCR-derived is SARS-CoV-2 infection iao Wang, Zhendong Pan, Xinjia Mai, Yiyun Chen, ing Zhao, Hailin Tang, Rong Zhang, Dapeng Zhou tion: Tongji University, Shanghai, China.	75

progression Chin Wen Png, Presenter affilia	Yongliang Zhang [10'+5'] ation: National University of Singapore, Singapore; School of Medicine, Singapore; Life Sciences Institute,	76
emerging general Victoria Chen, Carpinteyro-Po [10'+5'] Presenter affilia	ic nematode Steinernema hermaphroditum as an etic model for nutritional immunity John P. Marken, Sally W. Ireri, Frederick J. Tan, Javier Ince, Xiaobin Zheng, Richard M. Murray, Mengyi Cao etion: California Institute of Technology, Pasadena, negie Institution for Science, Pasadena, California.	77
	dritic cell interstitial motility sustains antitumour	
	Zongfang Wei, Bei Zheng, Lulu Wu, Yongdeng Zhang,	
Ting Zhou [10 Presenter affilia	ation: Westlake University, Hangzhou, China.	78
immune pathv Feng Shao [2		79
	THURSDAY, October 30—6:00 PM	
	COCKTAILS and BANQUET	
Spon	sored by Shanghai Future Technology Co., Ltd.	
	FRIDAY, October 31—9:00 AM	
SESSION 8	INFECTION AND INFLAMMATION II	
Chairperson:	Xiaoyu Hu, Westlake University, Hangzhou, China	
Xiaoyu Hu [20	nt myeloid cells in mucosal responses o'+10'] ation: Westlake University, Hangzhou, China.	80

A new genetic form of early-onset inflammatory bowel disease reveals the CD8 T <sub>IGR</sub> regulatory cell in intestinal homeostasis Michael Lenardo [20'+10'] Presenter affiliation: Calico Life Sciences, South San Francisco, California.	81
Intravital imaging of translocated bacteria via fluorogenic labeling of gut microbiota in situ  Wei Wang [10'+5']  Presenter affiliation: Fudan University, Shanghai, China.	82
Break	
VRAC coordinates the trade-off between nutrient absorption and antimicrobial defense in enterocytes against inflammation Xin Yi, Shiqing Zhang, Xinpei Gu, Xiaoyan Wu, Liang Ma, Sha Lv, Jingjing Huang, Yuanxing Zhi, Ying Cao, Xiong Cao, Fengxian Li, Shuwen Liu, Ken Kin Lam Yung, Pingzheng Zhou [10'+5'] Presenter affiliation: Southern Medical University, Guangzhou, China.	83
Pathogen-induced HDAC6 activation orchestrates FoxO1 acetylation/phosphorylation to drive periodontal inflammation and barrier dysfunction Hannah Lohner, Xiao Han, Maria Colon, Ruqiang Liang, Chunhao Li, Huizhi Wang [10'+5'] Presenter affiliation: Virginia Commonwealth University, VCU Philips	
Institute for Oral Health Research, Richmond, Virginia; University of California, Davis, California.	84
Effects of dietary sugar intake on T cell immune responses and gastrointestinal tract inflammation Wei Zhang, Xiao Ma, Hao Cheng, Zhenhong Li, <u>Dunfang Zhang</u> [10'+5']	
Presenter affiliation: Sichuan University, Chengdu, China.	85
The intersection of adaptive and innate immunity in the lung— Implications for respiratory infections and pulmonary insufficiency	
Baihao Zhang, Sidonia Fagarasan [10'+5'] Presenter affiliation: RIKEN Yokohama Institute, Yokohama, Japan.	86