IMMUNORECEPTOR SIGNALING AND THERAPEUTIC APPLICATIONS

November 6-November 10, 2023

Arranged by

Naoki Hosen, Osaka University
Enfu Hui, University of California, San Diego
Caroline Robert, Gustave Roussy & Paris-Saclay University
André Veillette, Institut de Recherches Cliniques de Montréal
Chenqi Xu, Shanghai Institute of Biochemistry & Cell Biology, CAS
Sho Yamasaki, Osaka University





IMMUNORECEPTOR SIGNALING AND THERAPEUTIC APPLICATIONS

Monday, November 6 – Friday, November 10, 2023

Monday	7:00 pm	Keynote Speaker
Monday	7:45 pm	1 Antigen Receptors I
Tuesday	9:00 am	2 Antigen Receptors II
Tuesday	2:00 pm	Poster Session
Tuesday	4:30 pm	Chinese Tea and Beer Tasting
Tuesday	7:00 pm	Keynote Speaker
Tuesday	7:45 pm	3 Antigen Receptors III
Wednesday	9:00 am	4 Immune Cell Therapy
Wednesday	2:00 pm	Visit to Old Suzhou*
Wednesday	7:00 pm	5 Costimulatory and Coinhibitory Receptors
Thursday	9:00 am	6 Immune Checkpoint Blockade Therapy
Thursday	2:00 pm	7 Modulation of Immunoreceptors by Other Receptor Pathways I
Thursday	5:30 pm	Cocktails and Banquet
Friday	9:00 am	8 Modulation of Immunoreceptors by Other Receptor Pathways II

Oral presentation sessions are located in the CSHA Auditorium

Poster session and Chinese Tea & Beer Tasting are 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 12:00am - 1:30pm Dinner: Main Cafeteria 6:00pm - 7:30pm Banquet: Suz Garden 6:30pm

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

PROGRAM

MONDAY, November 6—7:00 PM

KEYNOTE SPEAKER

Immune organoids and combinations to advance our understanding of autoimmunity, vaccination and infection Mark M. Davis [35'+10'] Presenter affiliation: Howard Hughes Medical Institute, Stanford University, California.		1
	MONDAY, November 6—7:45 PM	
SESSION 1	ANTIGEN RECEPTORS I	
Chairperson:	Chenqi Xu, Shanghai Institute of Biochemistry and Cell Biology, CAS, Shanghai, China	
playing dual ro Gaofeng Fan	ovel substrate and allosteric activator of SHP1, oles during T cell development [10'+5'] tion: ShanghaiTech University, Shanghai, China.	2
Perspectives for Johannes B. Hu	cognize antigens in health and disease— rom molecular imaging uppa, Janett Göhring, René Platzer, Timo Peters, Venugopal Gudipati [20'+10']	
Presenter affilia	tion: Medical University of Vienna, Vienna, Austria.	3

SESSION 2	ANTIGEN RECEPTORS II	
Chairperson:	Chenqi Xu, Shanghai Institute of Biochemistry and Cell Biology, CAS, Shanghai, China	
Chenqi Xu [20	ower in immunoreceptor signaling i'+10'] tion: Shanghai Institute of Biochemistry and Cell nai, China.	4
immune respor conditions Jing Guo, Xun Z Jianming Xie, M Palanski, Congh Dylan Dodd, Yu	epecificity enables a broad and rapid cellular nase in diverse physiological and pathological deng, Roshni Roy Chowdhury, Vamsee Mallajosyula, egha Dubey, Yuanyuan Liu, Yu-ling Wei, Brad A. nua Wang, Lingfeng Qiu, Elsa Sola, Mark M. Davis, eh-hsiu Chien [20'+10']	
Stanford, Califor	tion: Stanford University School of Medicine, rnia. biochemical insights into the TCR and BCR	5
	[20'+10'] tion: Harbin Institute of Technology, Harbin, China.	6
TCR-T cell bon Xiang Zhao [1		_
Break	tion: Chinese Academy of Sciences, Shanghai, China.	7
selection of ger Tomohiro Kuros Presenter affiliat	or optimal BCR signal strength in efficient positive rminal center (GC) B cells aki, Yoshihiro Baba, Takeshi Inoue [20'+10'] tion: Osaka University, Osaka, Japan; RIKEN, Center Medical Science, Japan.	8

MHC II regulation of CD8+ T cell tolerance and implications in autoimmunity and cancer immunotherapy

Xiaojuan Zhou, Xian Jia, Zhe Huang, Wen-Hsien Liu, Guo Fu, Changchun Xiao [20'+10']

Presenter affiliation: Xiamen University, Xiamen, China; The Scripps Research Institute, La Jolla, California; Sanofi, Suzhou, China.

9

TUESDAY, November 7-2:00 PM

POSTER SESSION

Tuning CAR signaling with PD1-ITSM insertion Kexin Cao, Chenqi Xu	
Presenter affiliation: Chinese Academy of Sciences, Shanghai, China.	10
Chronic IFN-Is signaling promotes lipid peroxidation-driven terminal CD8+T cell exhaustion and curtails anti-PD-1 treatment efficacy	
Weixin Chen, Jia Ming Nickolas Teo, Siu Wah Yau, Melody Yee-Man Wong, Guang Sheng Heidi Ling	
Presenter affiliation: The University of Hong Kong, Hong Kong, China.	11
THEMIS is a substrate and allosteric activator of SHP1, playing dual roles during T cell development Jiali Zhang, Zhenzhou Jiang, Jialing Chen, Li Chen, Yanchun Zhang, Mei Huang, Shengmiao Chen, Gaofeng Fan Presenter affiliation: ShanghaiTech University, Shanghai, China.	12
Blockade of CD200R1-CD200 inhibitory checkpoint promotes phagocytosis by macrophages to improve anti-tumor immunity Jiaxin Li, Zhaoyu Wang, Ming-Chao Zhong, Zhenghai Tang, Jin Qian, Xiaogan Qin, André Veillette Presenter affiliation: Institut de Recherches Cliniques de Montréal	
(IRCM), Montréal , Canada; McGill University, Montréal, Canada.	13
The humoral-immuno-modulatory role of LDLR Tao Liang, Keze Lu, Chenqi Xu	
Presenter affiliation: Hangzhou Institute for Advanced Study, UCAS, Hangzhou, China.	14

FBXO38 cooperate with USP7 to mediate PD-1 homeostasis Xiwei Liu, Zuomiao Lin, Xiangbo Meng, Chenqi Xu Presenter affiliation: State Key Laboratory of Molecular Biology, CAS Center for Excellence in Molecular Cell Science, Shanghai, China. Lipid-regulated phosphorylation hierarchy of the T cell receptor tyrosine motifs Li Meng, Hua Li, Changting Li, Chun Chu, Haochen Yang, Kexin Cao, Xue Gao, Chengsong Yan, Omer Dushek, Haopeng Wang, Xiaoshan Shi, Chenqi Xu Presenter affiliation: Chinese Academy of Sciences, University of Chinese Academy of Sciences, Shanghai, China. 1 cholesterol and 7-hydroxycholesterol modulate TCR signaling by antagonisticly shaping the membrane binding of cd3e Zhengxu Ren, Hua Li, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1 Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	Tumor-specific T cell and TCR decoding via photocatalytic proximity cell labeling (PhoXCELL) Hongyu Liu, Shian Ouyang, Peng R. Chen, Jie P. Li Presenter affiliation: Nanjing University, Nanjing, China; Peking	
Xiwei Liu, Zuomiao Lin, Xiangbo Meng, Chenqi Xu Presenter affiliation: State Key Laboratory of Molecular Biology, CAS Center for Excellence in Molecular Cell Science, Shanghai, China. Lipid-regulated phosphorylation hierarchy of the T cell receptor tyrosine motifs Li Meng, Hua Li, Changting Li, Chun Chu, Haochen Yang, Kexin Cao, Xue Gao, Chengsong Yan, Omer Dushek, Haopeng Wang, Xiaoshan Shi, Chenqi Xu Presenter affiliation: Chinese Academy of Sciences, University of Chinese Academy of Sciences, Shanghai, China. 1 cholesterol and 7-hydroxycholesterol modulate TCR signaling by antagonisticly shaping the membrane binding of cd3e Zhengxu Ren, Hua Li, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1 Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	University, Beijing, China; Shenzhen Bay Laboratory, Shenzhen, China.	15
tyrosine motifs Li Meng, Hua Li, Changting Li, Chun Chu, Haochen Yang, Kexin Cao, Xue Gao, Chengsong Yan, Omer Dushek, Haopeng Wang, Xiaoshan Shi, Chenqi Xu Presenter affiliation: Chinese Academy of Sciences, University of Chinese Academy of Sciences, Shanghai, China. 1 cholesterol and 7-hydroxycholesterol modulate TCR signaling by antagonisticly shaping the membrane binding of cd3e Zhengxu Ren, Hua Li, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1 Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	Xiwei Liu, Zuomiao Lin, Xiangbo Meng, Chenqi Xu Presenter affiliation: State Key Laboratory of Molecular Biology, CAS	16
Presenter affiliation: Chinese Academy of Sciences, University of Chinese Academy of Sciences, Shanghai, China. 1 cholesterol and 7-hydroxycholesterol modulate TCR signaling by antagonisticly shaping the membrane binding of cd3e Zhengxu Ren, Hua Li, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1 Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	tyrosine motifs <u>Li Meng</u> , Hua Li, Changting Li, Chun Chu, Haochen Yang, Kexin Cao, Xue Gao, Chengsong Yan, Omer Dushek, Haopeng Wang, Xiaoshan	
antagonisticly shaping the membrane binding of cd3e Zhengxu Ren, Hua Li, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1. Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	Presenter affiliation: Chinese Academy of Sciences, University of	17
Presenter affiliation: CAS Center for Excellence in Molecular Cell Science, Shanghai, China. 1 Phase separation of chimeric antigen receptor promotes immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	antagonisticly shaping the membrane binding of cd3e	
immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu Presenter affiliation: CAS Center for Excellence in Molecular Cell	Presenter affiliation: CAS Center for Excellence in Molecular Cell	18
	immunological synapse maturation and persistent cytotoxicity Xinyi Xu, Haotian Chen, Xiaomin Xu, Haopeng Wang, Chenqi Xu	
		19

TUESDAY, November 7—4:30 PM

Chinese Tea and Beer Tasting

TUESDAY, November 7—7:00 PM

KEYNOTE SPEAKER

inhibition usir Bernard Maliss Romain Ronca Presenter affilia	molecular basis of T cell malfunctions and cong multi-omics approaches sen, Anais Joachim, Fanghui Zhang, Yinming Liang, agalli, Guillaume Voisinne, Marie Malissen [35'+10'] ation: Centre d'Immunologie de Marseille-Luminy, Aix ersité, INSERM, CNRS, Marseille, France.	20
	TUESDAY, November 7—7:45 PM	
SESSION 3	ANTIGEN RECEPTORS III	
Chairperson:	Sho Yamasaki, Osaka University, Osaka, Japan	
receptor spec Rui Qin, Yong Z Jizhong Lou, W	nonlinearly control CD8 cooperation to shape T cell ifficity Zhang, Jiawei Shi, Peng Wu, Chenyi An, Zhenhai Li, Veiwei Yin, Wei Chen [10'+5'] ation: Zhejiang University, Hangzhou, China.	21
infection Sho Yamasaki	clonotypic responses of human T cells against [20'+10'] ation: Osaka University, Suita, Japan.	22
T cell lineage Justin Boxuan Huang, Claerw Thomas, Dene Gruta [20'+10	Zhang, Priyanka Chaurasia, Stefan A. Schattgen, Zijian ven M. Jones, Angela Nguyen, Daniel Thiele, Paul G. R. Littler, Jamie Rossjohn, Pirooz Zareie, <u>Nicole L. La</u>	23

SESSION 4	IMMUNE CELL THERAPY	
Chairperson:	Naoki Hosen , Osaka University Graduate School of Medicine, Osaka, Japan	
translational ch therapies targe Naoki Hosen [3		24
Small molecule immunotherapy Hui-Shan Li [2		
	ion: Korea Advanced Institute of Science and eon, South Korea.	25
enhance cellula Nicholas R. Gas Presenter affiliat	CAR and TCR signal transduction molecules to ar immunotherapy coigne [20'+10'] ion: Yong Loo Lin School of Medicine, National gapore, Singapore.	26
transgene for u Yixi Zhang, Hong Dong, Yajie War Xun Zeng [10'-	ion: Zhejiang University School of Medicine,	27
Break		
From theory to Jian Chen, Shizh	nigma of CAR tonic signaling in CAR-T therapy—clinical implications nen Qiu, Wentao Li, <u>Haopeng Wang</u> [20'+10'] ion: ShanghaiTech University, Shanghai, China.	28

CAR-Ts agains Xinyan Zhang, (Kamali, Xiaolei	AR condensation improves the cytotoxicity of st low-antigen cancers Qian Xiao, Longhui Zeng, Fawzaan Hashmi, Elahe Su [10'+5'] ation: Yale University, New Haven, Connecticut.	29
chimeric antigonal Wolfgang W. So	ntion: Signaling Research Centers BIOSS and CIBSS,	30
	WEDNESDAY, November 8—2:00 PM	
	Visit to Old Suzhou	
SESSION 5	WEDNESDAY, November 8—7:00 PM COSTIMULATORY AND COINHIBITORY RECEPTOR	S
Chairperson:	Enfu Hui, University of California-San Diego, La Jolla, California, USA	3
Etienne Humbli der Heide, Simo Schanoski, Bea Andreas Wielar Bernstein, Dirk	28 costimulation regulates CD8 T cell differentiation n, Isabel Korpas, Jiahua Lu, Dan Filipescu, Verena van on Goldstein, Abishek Vaidya, Alessandra Soarestrice Casati, Myvizhi E. Selvan, Zeynep H. Gümüs, nd, Mauro Corrado, Leona Cohen-Gould, Emily Homann, Jerry Chipuk, Alice O. Kamphorst [20'+10'] tion: Icahn School of Medicine at Mount Sinai, New K.	31
Enfu Hui [20'+	g mediated or modulated by cis-interactions +10'] ition: University of California San Diego, La Jolla,	32

Heterogeneous condensates of membrane receptors regulate T cell signaling Hui Chen, Jizhong Lou [10'+5'] Presenter affiliation: University of Chinese Academy of Sciences, Beijing, China.	33
Proximity proteomics reveals stimulation-dependent TIGIT phosphorylation and signalling at the T cell immune synapse William H. Zammit, Jonathan D. Worboys, Stuart A. Cain, Martin J. Humphries, Daniel M. Davis [10'+5'] Presenter affiliation: University of Manchester, Manchester, United Kingdom.	34
Overcoming TrkA immunosuppression in melanoma sensitizes immunotherapy for durable memory T cell protection Tao Yin, Guoping Wang, Liuyang Wang, Xiao-Fan Wang, Qi-Jing Li [20'+10']	
Presenter affiliation: Duke University, Durham, North Carolina; Agency for Science, Technology and Research (A*STAR), Singapore.	35
THURSDAY, November 9—9:00 AM	
SESSION 6 IMMUNE CHECKPOINT BLOCKADE THERAPY	
Chairperson: André Veillette, Montreal Clinical Research Institute (IRCM), Montreal, Canada	
New strategies of antibody based fusion proteins for tumor immunity	
Yang-Xin Fu [20'+10'] Presenter affiliation: Tsinghua University, Beijing, China.	36
The inhibitory receptor KIR3DL1 modulates NK cell functions and controls HIV infection <u>Liang Shan</u> [20'+10'] Presenter affiliation: Washington University in St. Louis, St. Louis, Missouri.	37
Novel roles of SLAM family receptors and their regulators in	
macrophages André Veillette, Zhenghai Tang, Jiaxin Li [20'+10'] Presenter affiliation: Montreal Clinical Research Institute (IRCM), Montreal, Canada.	38

suppress anti-	ro-phagocytic ligands in cis on tumor cells to tumor immunity Ming-Chao Zhong, Jin Qian, Cristian Camilo Galindo,	
Dominique Davi Veillette [10'+	idson, Jiaxin Li, Yunlong Zhao, Enfu Hui, Andre 5']	
	tion: Institut de Recherches Cliniques de Montréal al, Québec, Canada.	39
Break		
checkpoint the Feng Wang [1	0'+5']	
Medicine, Shan	tion: Shanghai Jiao Tong University School of ghai, China.	40
checkpoints cl correlates with Jonathan D. Wo Andrew Sander Presenter affilia	gement by therapeutic antibodies targeting immune uster antigens at the immune synapse and increased T cell stimulation orboys, Michael A. Conner, Peter Morley, David Jones, son, Jeremy D. Waight, Daniel M. Davis [10'+5'] tion: University of Manchester, Manchester, United	
Kingdom.		41
Multiple layers Lilin Ye [20'+1	of CD8* T cell responders to PD-1/PD-L1 blockade	
	tion: Third Military Medical University of China,	42
	THURSDAY, November 9—2:00 PM	
SESSION 7	MODULATION OF IMMUNORECEPTORS BY OTHER RECEPTOR PATHWAYS I	
Chairperson:	Gloryn Chia, National University of Singapore, Singapore	ore
epigenetically Weinan Guo, Ho	lic acetyl-CoA drives tumor immune evasion by regulating PD-L1 in melanoma uina Wang, Xiuli Yi, Lintao Jia, Chunying Li [10'+5'] tion: Xijing Hospital, Fourth Military Medical University,	43

β-lapachone treatment promotes tumor associated neutrophils (TANs) polarized towards anti-tumor (N1) phenotype Soumya Tumbath, Lingxiang Jiang, Xiaoguang Li, Yang-Xin Fu, Xiumei Huang [10'+5']	
Presenter affiliation: Indiana University School of Medicine, Indianapolis, Indiana.	44
Targeting tumor cells toward the antigenic specificity of bystander T cells in tumor microenvironment potentiates cancer immunotherapy	
Xiangyu Chen, Jing Zhao, Shuai Yue, Ziyu Li, Xiang Duan, Yao Lin, Yang Yang, Junjian He, Leiqiong Gao, Lifan Xu, Qizhao Huang, Yan Li, Fan Bai, Guozhong Zhang, Lilin Ye [10'+5']	
Presenter affiliation: Chongqing Medical University, Chongqing, China.	45
Circular RNA as a source of neoantigens for cancer vaccines Gloryn Chia, Yi Ren, Thamizhanban Manoharan [10'+5']	
Presenter affiliation: National University of Singapore, Singapore.	46
Neoantigen-related immune ecosystem and its clinical relevances of early-stage lung adenocarcinoma	
Yulan Deng, Liang Xia, Jian Zhang, Lunxu Liu, <u>Shensi Shen</u> [10'+5'] Presenter affiliation: Sichuan University, West China Hospital, Chengdu, China.	47
Building a proteome-wide resource for protein sciences	
Tao Chen [20'+10'] Presenter affiliation: Absea, Berlin, Germany.	48

THURSDAY, November 9—5:30 PM

COCKTAILS and BANQUET

FRIDAY, November 10—9:00 AM

An engineered probiotic produces a type III interferon IFNL1 and reduces inflammations in in vitro inflammatory bowel disease models Koon Jiew Chua, Hua Ling, In Young Hwang, Hui Ling Lee, John C. March, Yung Seng Lee, Matthew Wook Chang [10'+5'] Presenter affiliation: National University of Singapore, Singapore. 51 Cell volume regulated by LRRC8A-formed volume-regulated anion channels controls T cell activation Ning Wu [10'+5'] Presenter affiliation: Huazhong University of Science and Technology, Wuhan, China. 52 Stiffness induced phenotypical changes contribute to tumor associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese	5	SESSION 8	MODULATION OF IMMUNORECEPTORS BY OTHER RECEPTOR PATHWAYS II	
Marco Colonna [20'+10'] Presenter affiliation: Washington University School of Medicine in St Louis, Saint Louis, Missouri. GSK3 regulation of regulatory T cells in tumor immune tolerance Wen-Hsien Liu, Chenfeng Liu, Yuxuan Wang [10'+5'] Presenter affiliation: School of Life Sciences, Xiamen, China. An engineered probiotic produces a type Ill interferon IFNL1 and reduces inflammations in in vitro inflammatory bowel disease models Koon Jiew Chua, Hua Ling, In Young Hwang, Hui Ling Lee, John C. March, Yung Seng Lee, Matthew Wook Chang [10'+5'] Presenter affiliation: National University of Singapore, Singapore. Cell volume regulated by LRRC8A-formed volume-regulated anion channels controls T cell activation Ning Wu [10'+5'] Presenter affiliation: Huazhong University of Science and Technology, Wuhan, China. 52 Stiffness induced phenotypical changes contribute to tumor associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese	(Chairperson:		
Wen-Hsien Liu, Chenfeng Liu, Yuxuan Wang [10'+5'] Presenter affiliation: School of Life Sciences, Xiamen, China. An engineered probiotic produces a type III interferon IFNL1 and reduces inflammations in in vitro inflammatory bowel disease models Koon Jiew Chua, Hua Ling, In Young Hwang, Hui Ling Lee, John C. March, Yung Seng Lee, Matthew Wook Chang [10'+5'] Presenter affiliation: National University of Singapore, Singapore. 51 Cell volume regulated by LRRC8A-formed volume-regulated anion channels controls T cell activation Ning Wu [10'+5'] Presenter affiliation: Huazhong University of Science and Technology, Wuhan, China. 52 Stiffness induced phenotypical changes contribute to tumor associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese		Marco Colonna Presenter affilia	[20'+10'] tion: Washington University School of Medicine in St	49
reduces inflammations in in vitro inflammatory bowel disease models Koon Jiew Chua, Hua Ling, In Young Hwang, Hui Ling Lee, John C. March, Yung Seng Lee, Matthew Wook Chang [10'+5'] Presenter affiliation: National University of Singapore, Singapore. 51 Cell volume regulated by LRRC8A-formed volume-regulated anion channels controls T cell activation Ning Wu [10'+5'] Presenter affiliation: Huazhong University of Science and Technology, Wuhan, China. 52 Stiffness induced phenotypical changes contribute to tumor associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese		Wen-Hsien Liu,	Chenfeng Liu, Yuxuan Wang [10'+5']	50
anion channels controls T cell activation Ning Wu [10'+5'] Presenter affiliation: Huazhong University of Science and Technology, Wuhan, China. 52 Stiffness induced phenotypical changes contribute to tumor associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese		reduces inflam models Koon Jiew Chua March, Yung Se Presenter affiliat	mations in <i>in vitro</i> inflammatory bowel disease a, Hua Ling, In Young Hwang, Hui Ling Lee, John C. eng Lee, Matthew Wook Chang [10'+5'] tion: National University of Singapore, Singapore.	51
associated dysregulation of dendritic cells Carla Guenther [10'+5'] Presenter affiliation: Osaka University, Osaka, Japan. 53 Revisiting the problem of receptor clustering James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese		anion channels Ning Wu [10'+ Presenter affiliat	s controls T cell activation [5]	52
James J. Chou [20'+10'] Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese		associated dys Carla Guenther	regulation of dendritic cells [10'+5']	53
		James J. Chou Presenter affilia	[20'+10'] tion: Shanghai Institute of Organic Chemistry, Chinese	54