LIVER METABOLISM, INFLAMMATION AND CANCER

March 24-March 28, 2025

Arranged by

Bin Gao, National Institutes of Health
Ning Zhang, Peking University
Frank Tacke, Charité-Universitätsmedizin Berlin
Won-IL Jeong, Korea Advanced Institute of Science and
Technology
Rotonya Carr, University of Washington, Seattle





LIVER METABOLISM, INFLAMMATION AND CANCER

Monday, March 24 - Friday, March 28, 2025

Monday	7:00 pm	1 Keynote Session
Tuesday	9:00 am	2 Lipid Metabolism and MASLD
Tuesday	2:00 pm	Poster Session
Tuesday	3:00 pm	Chinese Tea and Beer Tasting
Tuesday	7:00 pm	3 Immunological Mechanisms of Liver Diseases
Wednesday	9:00 am	4 Liver Cancer
Wednesday	1:30 pm	Visit to Old Suzhou*
Wednesday	7:00 pm	5 Metabolism and Inflammation
Thursday	9:00 am	6 MASLD
Thursday	2:00 pm	7 Liver Biology and Cancer
Thursday	6:00 pm	Cocktails and Banquet
Friday	9:00 am	8 Metabolism and Liver Diseases

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

Old Suznou 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, March 24-7:00 PM

SESSION 1	KEYNOTE SESSION	
Chairpersons:	Ning Zhang, Peking University, Beijing, China Bin Gao, National Institutes of Health, Bethesda, Maryland, USA	
Tim F. Greten	umor microenvironment in liver cancers [30'+10'] ation: Center for Cancer Research, Bethesda, Maryland.	1
Bin Gao [10'+	nto alcohol metabolism in liver disease and cancer 5'] ation: NIAAA, National Institutes of Health, Bethesda,	2
Chairpersons:	Frank Tacke, Charité Universitätsmedizin, Berlin, Germany Rotonya Carr, University of Washington, Seattle, Washington, USA	
and cancer Jiandie Lin [30	f liver microenvironment in metabolic liver disease 0'+10'] ation: University of Michigan, Ann Arbor, Michigan.	3
Carmen Wong Presenter affilia		4

TUESDAY, March 25-9:00 AM

LIPID METABOLISM AND MASLD

SESSION 2

Moderators:	Rotonya Carr, University of Washington, Seattle, Washington, USA Kenichi Ikejima, Juntendo University Graduate Scho Medicine, Tokyo, Japan	ol of
Rotonya M. Car	s in steatotic liver disease [20'+5'] tion: University of Washington, Seattle, Washington.	5
resistance in M Tiangang Li, Ch	eng Chen, Lijie Gu, Jacob Friedman [20'+5'] tion: University of Oklahoma Health Sciences Center,	6
suppresses he Tian Lan, Teng	hK2 promotes triglyceride lipolysis and epatic steatosis by preventing ATGL ubiquitination Wu, Xin Ding [10'+5'] tion: Harbin Medical University, Harbin, China.	7
acetyltransfera Bing Zhou, Yan Presenter affilia		8
	Break	
Moderators:	Huiping Zhou, Virginia Commonwealth University, Richmond, Virginia, USA Cen Xie, Shanghai Institute of Materia Medica, Shang China	ghai,
necroptosis Jérémie Gauthe	eron [20'+5'] tion: Sorbonne Université, INSERM, Paris, France.	9

Dysregulation of hepatic sphingolipid metabolism in MASH-HCC progression Jing Zeng, Xuan Wang, Derrick Zhao, Lianyong Su, Yunling Tai, Huiping Zhou [20'+5']	
Presenter affiliation: Virginia Commonwealth University, Richmond, Virginia; Richmond Veterans Medical Center, Richmond, Virginia.	10
Hepatic sphingomyelin phosphodiesterase 3 promotes steatohepatitis by disrupting membrane sphingolipid metabolism Cen Xie, Yameng Liu, Jie Jiang [10'+5']	
Presenter affiliation: Shanghai Institute of Materia Medica, Shanghai, California.	11
Engineered bacteria in treating metabolic disorder associated liver failure	
<u>Peng Chen</u> [10'+5'] Presenter affiliation: Southern Medical University, Guangzhou, China.	12
TUESDAY, March 25—2:00 PM	
POSTER SESSION	
Metabolic dysfunction-associated steatotic liver disease (MASLD) and cardiovascular disease (CVD) as a consequence of resolved HBV infection	
Jonathan Jaime Guerrero, Shu-Fen Liao, <u>Ching-Wen Chang</u> Presenter affiliation: Taipei Medical University, Taipei, Taiwan, China	13
Premature senescence in hepatocytes promotes autoimmune hepatitis pathogenesis	
<u>Jian Chen</u> , Xinhao Hu, Tianchen Lan, Chengtao Lou, Xiao Xu Presenter affiliation: Hangzhou Medical College, Hangzhou, China; Affiliated Hangzhou First People's Hospital, School of Medicine, Westlake University, Hangzhou, China.	14
Hepatic SIRT6 modulates drug metabolism via PXR-cytochrome P450 3A pathway Hanfei Chen, Qiang Chen	
Presenter affiliation: University of Macau, Taipa, Macau SAR, China.	15

SIRT6 deficiency in liver macrophages impedes VLDL secretion via aberrant LPL elevation, leading to dysregulated hepatic lipid deposition	
Liangjie Tang, Minghua Zheng, Qiang Chen Presenter affiliation: University of Macau, Taipa, Macau SAR, China.	16
Betahistine lowers hepatic and cardiovascular risks in MASLD—A population-based matched cohort study Hang Dong, Luna Liu, Xiude Fan Presenter affiliation: Shandong Provincial Hospital, Jinan, China.	17
Impact of sugar rationing during first 1000 days of life on the risk of MASLD development and progression Luna Liu, Hang Dong, Xiude Fan Presenter affiliation: Shandong Provincial Hospital, Jinan, China.	18
Zhizi Dahuang Decoction and geniposide alleviate alcohol-related liver disease by reducing CXCL1-mediated neutrophil infiltration Junhua Feng, Yiwen Hou, Jiaxin Tan, Qian Li, Rongjie Zhang, Yueqiu Gao, Man Li	
Presenter affiliation: Shuguang Hospital Affiliated to Shanghai University of Traditional Chinese Medicine, Shanghai, China.	19
Single-cell profiles of intrahepatic and peripheral immune cells reveal AIH-specific CD8+ T cells promote disease progression through cytotoxicity and macrophage interactions Xinghuan Fu, Yuan Hong, Chi Zhang, Jiandan Qian, Long Xu, Guiqiang Wang	
Presenter affiliation: Peking University First Hospital, Beijing, China.	20
Endothelial BRD4 drives inflammatory macrophage infiltration via TIMP1-mediated angiocrine signaling during liver fibrosis Can Gan, Enjiang Lai, Yang Tai, Chengwei Tang, Jinhang Gao Presenter affiliation: State Key Laboratory of Biotherapy, West China Hospital, Sichuan University, Chengdu, China.	21
Neutrophil-specific microRNA-142 restricts liver fibrosis by	21
limiting the formation of neutrophil extracellular traps Shujun Ge, Shijia Ling, Yawen Hao, Ningning Ma, Yong He Presenter affiliation: School of Chinese Materia Medica, Nanjing,	
China.	22

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EBP50 delays liver regeneration in mice by inhibiting K63-linked ubiquitination of YAP Shuang Hu, Jian-hong Fang, Xiao Yang, Huichang Bi	
Presenter affiliation: Southern Medical University, Guangzhou, China.	31
Effects of metabolic risk factors on the severity of acute hepatitis E Haohua Huang, Lu Chen, Qing Xie, Wei Cai, Xiaolin Wang	
Presenter affiliation: Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China.	32
CCL5 deficiency alleviates porphyria-related liver injury by promoting porphyrin metabolism via upregulation of UGT1A1 Weifan Huang, Hailong Wu, Xiaoni Kong Presenter affiliation: Shuguang Hospital Affiliated to Shanghai	
University of Traditional Chinese Medicine, Shanghai, China.	33
Tumor necrosis factor-inducible gene 6 protein improves liver regeneration by enhancing lipid uptake for energy production in mice after partial hepatectomy	
<u>Hayeong Jeong</u> , Jinsol Han, Ahyeon Sung, Youngmi Jung Presenter affiliation: Pusan National University, Busan, South Korea.	34
Bushen Granule plus entecavir improved the effectiveness for beagle negative chronic hepatitis B—A multicenter, randomized, double-blind, placebo-controlled clinical trial	
Longshan Ji, Xin Zhang, Jinghao Zhang, Hua Lyu, Man Li, Xuehua Sun, Yueqiu Gao	
Presenter affiliation: Shuguang Hospital Affiliated to Shanghai University of Traditional Chinese Medicine, Shanghai, China.	35
Development of cyclopeptide inhibitors specifically disrupt FXR-coactivator interaction in intestine as a novel therapeutic strategy for MASH Tingying Jiao	
Presenter affiliation: Shanghai Institute of Materia Medica, Shanghai, China; Fudan University, Shanghai, China.	36
Protective efficacy of <i>Hwanggeumjakyak</i> -tang against liver injury <u>Jae Min Kim</u> , Ji Hye Yang Presenter affiliation: Dongshin University, Naju, South Korea.	37

Presenter affiliation: College of Pharmacy, Chosun University, Gwangju, South Korea. The dual role of GDF15 and ADRB2 in regulating adipose lipid-associated macrophage function in alcohol-associated liver disease Min Jeong Kim, Katherine Po Sin Chung, Eunmi Lee, Kwangwoo Lee, Jihyo Byun, Jaewoo Oh, Won-II Jeong Presenter affiliation: KAIST, Daejeon, South Korea. Sphingoshin kinase 1 promotes liver fibrosis by TGF-β/Smad signaling pathway Na Yeon Kim, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: Dongshin University, Naju, South Korea. Overexpression of ERdj5 in hepatic stellate cells exacerbates liver inflammation and fibrosis via catalyzing the removal of nonnative disulfides of profibrogenic cytokineΞ Sun Myoung Kim, Yoon Mee Yang Presenter affiliation: Kangwon National University, Chuncheon, South Korea. 11 TXNIP in liver sinusoidal endothelial cells ameliorates alcoholassociated liver disease via nitric oxide production Eun Bok Baek, Jun-Yeop Song, Eun-Ju Hong, Young-Suk Won, Hyo-Jung Kwon Presenter affiliation: Chungnam National University, Deajeon, South Korea. 22 Cd74* macrophages modulate liver fibrosis through efferocytosis and cathepsin secretion Yang Xiao, Tian Lan, Chong Zhao, Enjiang Lai, Chengwei Tang, Jinhang Gao Presenter affiliation: West China Hospital, Sichuan University, Chengdu, China. 38 CCCP contributes to liver fibrogenesis by disrupting mitochondrial and lysosomal function Ji Hyun Lee, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: College of Pharmacy, Chosun University, Gwangju, South Korea.	Parkin-induced mitophagy by TGF-β contributes to hepatic stellate cell activation Ji Hye Kim, Ji Hye Yang, Sung Hwan Ki	
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and cathepsin secretion Yang Xiao, <u>Tian Lan</u> , Chong Zhao, Enjiang Lai, Chengwei Tang, Jinhang Gao Presenter affiliation: West China Hospital, Sichuan University, Chengdu, China. 43 CCCP contributes to liver fibrogenesis by disrupting mitochondrial and lysosomal function Ji Hyun Lee, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: College of Pharmacy, Chosun University,	associated liver disease via nitric oxide production Eun Bok Baek, Jun-Yeop Song, Eun-Ju Hong, Young-Suk Won, Hyo- Jung Kwon Presenter affiliation: Chungnam National University, Deajeon, South	42
mitochondrial and lysosomal function Ji Hyun Lee, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: College of Pharmacy, Chosun University,	and cathepsin secretion Yang Xiao, <u>Tian Lan</u> , Chong Zhao, Enjiang Lai, Chengwei Tang, Jinhang Gao Presenter affiliation: West China Hospital, Sichuan University,	43
	mitochondrial and lysosomal function Ji Hyun Lee, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: College of Pharmacy, Chosun University,	44

Wild-type KRAS drives immune evasion and immunotherapy resistance in hepatocellular carcinoma Martina Mang Leng Lei, Terence Kin Wah Lee Presenter affiliation: The Hong Kong Polytechnic University, Hong Kong, China.	45
New Insights into metabolic susceptibility factors in alcohol-related liver disease—A UK Biobank cohort study <u>Fan Li</u> , Hongqin Xu, Yali Liu, Yanhang Gao Presenter affiliation: The First Hospital of Jilin University, Changchun, China.	46
INHBA promotes tumor growth and induces resistance to PD-L1 blockade by suppressing IFN-γ signaling Fanglin Li Presenter affiliation: Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China.	47
METTL3-mediated m6A modification of CD180 promotes PANoptosis in alcohol-induced liver injury Haidi Li, Xiaoming Meng, Hua Wang, Jun Li Presenter affiliation: Anhui Medical University, Hefei, China.	48
Pien Tze Huang plus entecavir improves hepatic fibrosis in Chinese patients with chronic hepatitis B Xin Zhang, Liwen Zhang, Longshan Ji, Chunyan Gou, Yuyong Jiang, Xiaorong Chen, Guangdong Tong, Qin Li, Anna Zhang, Jing Wang, Xiaodong Li, Mingxin Zhang, Xuehua Sun, Man Li, Yueqiu Gao Presenter affiliation: Shuguang Hospital Affiliated to Shanghai University of Traditional Chinese Medicine, Shanghai, China.	49
Weissella fusion attenuates hepatocellular carcinoma lung metastasis by reducing β-deoxycholic acid secretion Shuang Li, Yinying Lu Presenter affiliation: Peking University, Beijing, China.	50
Integrin beta-like 1 restricts liver fibrosis by inhibiting myosin heavy chain 9 mediated actin cytoskeleton remodeling in hepatic stellate cells Yixin Li, Ningning Ma, Yawen Hao, Yajun Duan, Yong He Presenter affiliation: Department of Cardiology, The First Affiliated Hospital of USTC, Hefei, China.	51

Diet-induced intestinal mucus barrier impairment drives gut microbiota dysbiosis and increased fat absorption Cen Xie, Yameng Liu, Xinyu Liang, Yongxin Zhang Presenter affiliation: Shanghai Institute of Materia Medica, Shanghai, California.	52
The pro-inflammatory role of interleukin-39 in sepsis and its positive correlation with disease severity Jingting Liu, Yihui Wang, Jinming Zhang, Yifan Xu, Dabao Shang, Qing Xie, Enqiang Mao, Xiaogang Xiang Presenter affiliation: Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China.	53
The relationship between alcoholic liver disease and uric acid metabolism disorder Yali Liu, Fan Li, Yanhang Gao Presenter affiliation: The First Hospital of Jilin University, Changchun, China.	54
Gut-derived methionine alleviates liver fibrosis by maintaining liver circadian homeostasis Yiting Lu, Xin Zeng Presenter affiliation: Shanghai East Hospital, Tongji University School of Medicine, Shanghai, China.	55
Ferroptosis exacerbates liver fibrogenesis via hepatic stellate cell activation <u>Tae Hyun Park</u> , Eun Sol Song, Ji Hye Yang, Sung Hwan Ki Presenter affiliation: College of Pharmacy, Chosun University, Gwangju, South Korea.	56
Temporal-spatially metabolic reprogramming rewires the H3K27ac landscape to enable the initiation of liver regeneration Qi Zheng, Xiaojiaoyang Li, Zhenyu Xu, Yajie Cai, Fanghong Li, Xiaoyong Xue, Shuo Li, Rong Sun, Guifang Fan, Jianzhi Wu, Jiaorong Qu, Runping Liu Presenter affiliation: Beijing University of Chinese Medicine, Beijing, China.	57
AhR deletion in T cells enhances CBS/H ₂ S signaling in regulatory T cells to limit steatohepatitis, fibrosis and cancer Farooq Riaz, Wei Kou, Ping Wei, Fan Pan Presenter affiliation: Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen, China.	58

In vitro investigation of the role of adipocyte-derived EVs in the development of MASH	
Robim M. Rodrigues, Qiuyang Chen, Taisiia Shevchenko, Alexandra	
Gatzios, Joost Boeckmans, Tamara Vahaecke	
Presenter affiliation: Vrije Universiteit Brussel (VUB), Brussels, Belgium.	59
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Role of translation initiation factor eIF3 in hepatic metabolism and liver disease	
Changyi Shi, Dieter A. Wolf	
Presenter affiliation: Westlake Laboratory for Life Sciences and Biomedicine, Westlake University, Hangzhou, China.	60
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Erythrocyte damage defines the etiology of hepatic sinusoidal obstruction syndrome induced by pyrrolizidine alkaloids	
Zijing Song, Yisheng He, Ge Lin	
Presenter affiliation: The Chinese University of Hong Kong, Hong Kong, China; Zhongshan Institute for Drug Discovery, Zhongshan,	
China.	61
The development of a liver in vivo functional screening platform (LIFTS) and its application in HCC research Bo Tan, Xinyu Zhu, Kui Ming Chan	
Presenter affiliation: City University of Hong Kong, Hong Kong SAR, China.	62
Hepatic FATP2 lactylation exacerbates MASLD progression by inhibiting the PGC1α/PPAR signaling pathway	
Jiaxin Tan, Yong He	
Presenter affiliation: Shuguang Hospital Affiliated to Shanghai University of Traditional Chinese Medicine, Shanghai, China;	
Shanghai Institute of Traditional Chinese Medicine, Shanghai, China.	63
A signal network regulates activation of liver progenitor cells in acute liver failure	
<u>Chenhao Tong</u> , Hui Liu, Chen Shao, Seddik Hammad, Huiguo Ding, Steven Dooley, Hong-Lei Weng	
Presenter affiliation: University Medical Center Mannheim, Medical	
Faculty Mannheim, Heidelberg University, Mannheim, Germany; The	64
First Affiliated Hospital of Ningbo University, Ningbo, China.	64

MLCK drives platelet-neutrophil interaction—A potential therapeutic target for alcohol-associated liver disease Juan Wang, Xianda Wang, Haodong Peng, Yaqun Li, Li Zuo, Hua Wang Presenter affiliation: First Affiliated Hospital of Anhui Medical University, Hefei, China; Anhui Medical University, Hefei, China.	65
CircSMAD2 controls metabolic activation of hepatic stellate cells and fibrosis via an miR145/ZEB2 axis Guo-Dong Zhang, Jie-Ling Cheng, Yu-Ting He, Jun-Wei Wang, Rong-Quan Yang, Jia-Qi Ji, Yi Ding, Ming-Yu Zhao, Chen Wang, Li-Li Wang, Tian-Yu Yang, Lei Zhang Presenter affiliation: Anhui Medical University, College of Pharmacy, China.	66
Diabetes mellitus, acute-on-chronic liver failure and intestinal tumors are high-risk groups of UTI that should not be ignored Wenjing Wang, Yan Wang Presenter affiliation: Peking University First Hospital, Beijing, China.	67
Lactate-driven GPR65 activation in macrophages exacerbates APAP-induced liver injury Miaomiao Wu Presenter affiliation: The First Affiliated Hospital of Anhui Medical University, Hefei, China; Anhui Medical University, Hefei, China.	68
Treatment of disulfiram attenuates dronedarone hydrochloride (DH)-induced liver injury by blocking pyroptosis Sirui Yu, Mengni Zhang, Mingyue Wu, Jin Chai Presenter affiliation: The First Affiliated Hospital (Southwest Hospital), Third Military Medical University (Army Medical University), Chongqing, China.	69
Bacterial metabolite PEA facilitates hepatocyte-mediated immunosuppression in autoimmune hepatitis Xudong Wu, Mengyi Xu, Kangkang Luo Presenter affiliation: Nanjing University, Nanjing, China.	70
Interleukin-19 selectively limits S100A8/A9+ proinflammatory macrophage infiltration and protects against acute liver injury Peng Xiao, Qiuhong Zai, Yawen Hao, Yanhang Gao, Yong He Presenter affiliation: First Hospital of Jilin University, Changchun, China.	71

IL-37 alleviates chronic heart failure through anti-inflammatory effects and preventing myocardial remodeling Yifan Xu, Zhengjia Su, Dabao Shang, Liqun Wu, Hong Xu, Xiaogang Xiang	
Presenter affiliation: Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China.	72
NAD supplement suppresses hepatocellular carcinoma via modulating metabolic fitness of CD8+ T cells Nengzhi Pang, Ying Xiao, <u>Lili Yang</u> Presenter affiliation: Sun Yat-Sen University, Guangzhou, China.	73
Acteoside ameliorates hepatocyte ferroptosis and hepatic ischemia-reperfusion injury via targeting PCBP2 <u>Yinhao Zhang</u> , Kexin Jia, Ranyi Luo, Yun Yang, Xiaojiaoyang Li Presenter affiliation: Beijing University of Chinese Medicine, Beijing, China.	74
Excessive fatty acids activate PRMT5/MDM2/Drosha pathway to regulate miRNA biogenesis and lipid metabolism Aijun Hou, Xiaoding Xu, Yu Zhang, Hongxiu He, Yihan Feng, Wenhui Fan, Rongrong Tan, Likun Gong, Jing Chen Presenter affiliation: Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China; University of Chinese Academy of Sciences, Beijing, China.	75
Dietary selenium alleviates metabolic dysfunction-associated steatohepatitis through modulating fatty acid oxidation Yuwei Zhang, Yuchen Wang, Qiurong Ding Presenter affiliation: Shanghai Institute of Nutrition and Health, Chinese Academy of Sciences, Shanghai, China.	76
Blueberry alleviates nonalcoholic fatty liver by inducing liver Ferroptosis through BECN1 /SLC7A11 axis Peiling Zhao, Yuping Wang Presenter affiliation: Guizhou Medical University, Guiyang, China.	77
Electroacupuncture activates the PCG-DMV neural circuit mediating vagus nerve activation to protect against hepatic ischemia-reperfusion injury Yanyu Zhou, Liu Yang, Jiacheng Lin, Xiaoni Kong Presenter affiliation: Shuguang Hospital Affiliated to Shanghai	
University of Traditional Chinese Medicine, Shanghai, China.	78

following the chronic liver f			
Liu, Yifan Xu, (Presenter affili	Zihan Zhou, Hengben Zhai, Dabao Shang, Jinming Zhang, Jingting Liu, Yifan Xu, Qing Xie, Jie Lu, Xiaogang Xiang Presenter affiliation: Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China.		
<u>Pinghui Zhu,</u> S	rsis of the human ESC-derived liver organoid iqi Zhang, Zhenjie Zhang, Junyi Xue, Bo Feng ation: The Chinese University of Hong Kong, Hong	80	
hepatocellula (LIFTS) with C	e molecular pathogenesis of NASH-related r carcinoma by liver in vivo functional screening CRISPR/Cas9 Tan, Ming K. Chan		
Presenter affili	ation: City University of Hong Kong, Hong Kong, China.	81	
	TUESDAY, March 25—3:00 PM		
	Chinese Tea and Beer Tasting		
	TUESDAY, March 25—7:00 PM		
SESSION 3	IMMUNOLOGICAL MECHANISMS OF LIVER DISEAS	ES	
Moderators:	Yasuko lwakiri, Yale University, New Haven, Connecticut, USA		
	Fouad Lafdil, INSERM, Paris, France		
Yasuko Iwakiri	ics—Key to fibrosis and cirrhosis [20'+5'] ation: Yale University, New Haven, Connecticut.	82	
NLRP3 inflam	of alcohol-induced neutrophil activation and masome activation ameliorate MetALD?		
	o, Mrigya Babuta [20'+5'] ation: Beth Israel Deaconess Medical Center, Boston, s.	83	

Peptidic chimeric antigen receptor-macrophages (pCAR-M)—A novel approach for cell therapy targeting glypican-3 in hepatocellular carcinoma Rainbow Wing Hei Leung, Carmen Oi Ning Leung, Clarence Tsun Ting Wong, Terence Kin Wah Lee [10'+5'] Presenter affiliation: Hong Kong Polytechnic University, Hong Kong, China.	84
Loss of WSX-1 expression through miR-324-5P overexpression is an independent risk factor for hepatocellular carcinoma reccurence Yeni Ait Ahmed, Arthur Brouillet, Fouad Lafdil [10'+5'] Presenter affiliation: Université Paris Est Creteil, Créteil, France; Institut Universitaire de France, Paris, France; INSERM U938, Paris, France.	
Break	
Moderators: Xiong Ma, Shanghai Jiao Tong University School of Medicine, Shanghai, China Yong He, Shanghai Institute of Materia Medica, Shanghai, China	
Immunology of cholangiocytes in primary biliary cholangitis Xiong Ma [20'+5'] Presenter affiliation: Shanghai Jiao Tong University School of Medicine, Shanghai, China.	86
Extracellular vesicles and fibrotic microenvironment promotes liver metastasis in steatic livers <u>Ekihiro Seki</u> [20'+5'] Presenter affiliation: Cedars-Sinai Medical Center, Los Angeles, California.	87
Interleukin-19 selectively limits S100A8/A9+ proinflammatory macrophage infiltration and protects against acute liver injury Peng Xiao, Qiuhong Zai, Ningning Ma, Yawen Hao, Yanhang Gao, Yong He [10'+5'] Presenter affiliation: State Key Laboratory of Drug Research, Shanghai, China; University of Chinese Academy of Sciences, Beijing, China.	88

Pastorin, Victor	Dongxue Hu, Jiaxin Fu, Chong Teik Tan, Giorgia	89
	WEDNESDAY, March 26—9:00 AM	
SESSION 4	LIVER CANCER	
Moderators:	Gen-Sheng Feng, University of California at San Diego La Jolla, California, USA Irene Oi-Lin Ng, The University of Hong Kong, Hong Kong, China),
Gen-Sheng Fer	nd strategy of liver cancer immunotherapy ng [20'+5'] tion: University of California at San Diego, La Jolla,	90
Irene Oi-Lin Ng Presenter affilia	[20'+5'] tion: The University of Hong Kong, Pokfulam, Hong tate Key Laboratory of Liver Research, Pokfulam, Hong	91
BCAT1 promotes metabolic reprogramming and survival through HIF-1α stabilization in hepatocellular carcinoma Misty Shuo Zhang, Kenneth Kin-Leung Kwan, Adonia E. Papathanassiu, Qi Zhang, Tingbo Liang, Irene Oi-Lin Ng, Carmen Chak-Lui Wong [10'+5'] Presenter affiliation: The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China; The University of Hong Kong, Hong Kong, China.		92
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MOAP-1 is a negative regulator of steatosis, inflammation and

Moderators:	Ning Zhang, Peking University First Hospital, Beijing,	
	China Jungfang Ji, Zhejiang University, Hangzhou, China	
Liangyou Rui [insdifferentiation, biliary NIK, and liver cancer [20'+5'] ition: University of Michigan Medical School, Ann Arbor,	94
Ning Zhang [2] Presenter affilia	geneity and precision medicine 0'+5'] tion: Peking University First Hospital, Beijing, China; ity Health Science Center, Beijing, China.	95
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Moderators:	Changtao Jiang, Peking University, Beijing, China Yanhang Gao, The First Hospital of Jilin University, Changchun, China	
Changtao Jiang	isozymes and their impact on metabolic diseases [[20'+5'] tion: Peking University, Beijing, China.	98

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won-II Jeor Presenter a Engineering	metabolism and signaling pathway in alcohol- liver disease [20'+5'] ffiliation: Graduate School of Medical Science and J. Daejeon, South Korea; Center for the Hepatic Glutamate ction, Daejeon, South Korea.	103
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macrophage in disease Guifang Fan, Xi	ng-driven cholangiocyte senescence and inflammasome activation promote cholestatic liver aojiaoyang Li, Runping Liu [10'+5'] ition: Beijing University of Chinese Medicine, Beijing,	105
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Moderators:	Frank Tacke, Charité - Universitätsmedizin Berlin, Berlin, Germany Jingya Li, Shanghai Institute of Materia Medica, Shanghai, China	
dysfunction-as Frank Tacke [a Presenter affilia	e of liver macrophage subsets in metabolic ssociated steatohepatitis 20'+5'] Ition: Charité - Universitätsmedizin Berlin, Campus m and Campus Charité Mitte, Berlin, Germany.	106
dysfunction-as Yu Li [20'+5']	ely regulates PPP6C to attenuates metabolic ssociated steatohepatitis tion: Shanghai Institute of Nutrition and Health, a.	107
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Presenter attiliation: Snangnai Institute of Materia Medica, Snangnai,
China. 108

Directly targeting CARHSP1 by tetrandrine attenuates MASLD through releasing free PPAR α for nuclear translocation in hepatocytes

Leiming Jin, Weiwei Zhu, Wu Luo, <u>Guang Liang</u> [10'+5']
Presenter affiliation: Hangzhou Medical College, Hangzhou, China. 109

Moderators:	Milad Rezvani, Charité Universitätsmedizin Berlin, Berlin, Germany Runping Liu, Beijing University of Chinese Medicine, Beijing, China	
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SESSION 7	LIVER BIOLOGY AND CANCER	
Moderators:	Robert Schwabe, Columbia University, New York, New York, USA Xiaogang Xiang, Shanghai Jiaotong University Schoo Medicine, Shanghai, China	l of
Robert F. Schw	e cells make our livers great again abe [20'+5'] tion: Columbia University, New York, New York.	114
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and their comp Chow Hiang An Yunshun Chen, Presenter affilia Walter and Eliza	nce of zonal hepatocytes during adult homeostasis blex plasticity upon distinct liver injuries ag, Philip Arandjelovic, Jinming Cheng, Jicheng Yang, Nai Yang Fu [10'+5'] tition: Duke-NUS Medical School, Singapore; The a Hall Institute of Medical Research, Parkville, ersity of Melbourne, Parkville, Australia.	116
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Presenter affilia	tion: Southern Medical University, Guangzhou, China.	117

Kansas City, Kansas, USA Hyojung Kwon, Chungnam National University, Daejed South Korea	on,
Fumarate hydratase orchestrates hepatic steatosis via ULK1 mediated lipophagy <u>Jia Li</u> [20'+5'] Presenter affiliation: Shanghai Institute of Materia Medica, Shanghai, China.	118
Too much is as bad as too little—Lessons learned from autophagy deficiency in liver diseases Wen-Xing Ding [20'+5'] Presenter affiliation: University of Kansas Medical Center, Kansas City, Kansas.	119
Sympathetic nervous activation mediated by sleep disorders promotes APAP-induced liver injury Ziyi Cao, Jiacheng Lin, Yuanwen Chen, Xiaoni Kong [10'+5'] Presenter affiliation: Shanghai University of Chinese Traditional Medicine, Shanghai, China.	120
Evolutionary trajectory of hepatocellular carcinoma metastasis <u>Live Zhang</u> [10'+5'] Presenter affiliation: ShanghaiTech University, Shanghai, China.	121

Wen-Xing Ding, University of Kansas Medical Center,

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COCKTAILS and BANQUET

METABOLISM AND LIVER DISEASES

SESSION 8

Moderators:	Suthat Liangpunsakul, Indiana University School of Medicine, Indianapolis, Indiana, USA Man Li, Shanghai University of Chinese Medicine, Shanghai, China	
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Germany. Silencing FAF2 mitigates alcohol-induced hepatic steatosis by modulating lipolysis and PCSK9 pathway Suthat Liangpunsakul, Nazmul Huda, Praveen Kusumanchi, Yanchao Jiang, Themis Thoudam, Hui Gao, Themis Thoudam, Ge Zeng, Nicholas J. Skill, Zhaoli Sun, Jing Ma, Zhihong Yang [20'+5'] Presenter affiliation: Indiana University School of Medicine, Indianapolis, Indiana.		122
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Moderators:	Wen-Xing Ding, University of Kansas Medical Center, Kansas City, Kansas, USA Li Zuo, Anhui Medical University, Hefei, China	
Lijian Hui [20'+	nversion—Liver regeneration and cell therapy [5'] tion: Chinese Academy of Sciences, Shanghai, China.	126
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•	tion: KAIST, Daejeon, South Korea.	128

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