#### **PROGRAM**

### MONDAY, April 10-7:00 PM

### **Welcome Remarks**

Peng Li
Tsinghua University

SESSION 1	SPECIAL OPENING SESSION	
Chairperson:	Xiao-Wei Chen, Peking University, Beijing, China	
Yan Zhang, Fen	<b>3 and metabolic syndrome</b> gxiang Lv, Xinli Hu, <u>Rui-ping Xiao</u> [20'+10'] tion: Peking University, Beijing, China.	1
Transcriptional	control of lipid metabolism	
Peter Tontonoz,	[20'+10']	
Presenter affiliat	tion: UCLA, Los Angeles, California.	2
measurement o	se metabolic analyzers enable rapid, quantitative of cellular bioenergetics	•
Jiesi Wang, [2	-	_
Presenter affiliat	tion: Agilent Technologies, Shanghai, China.	3

### TUESDAY, April 11-9:00 AM

SESSION 2 CELLULAR LIPID TRAFFICKING AND CHOLESTEROL HOMEOSTASIS

Chairperson: Will Prinz, NIDDK, National Institutes of Health,

Bethesda, Maryland, USA

#### **KEYNOTE SPEAKER**

# Cholesterol transportation at lysosome and brush border membrane

Bao-Liang Song, [35'+10']
Presenter affiliation: Wuhan University, Wuhan, China. 4

Structural insights into the Niemann-Pick C1 (NPC1)-mediated cholesterol transfer and Ebola infection	
Xin Gong, Hongwu Qian, Xinhui Zhou, Jianping Wu, Tao Wan, George F. Gao, Qiang Zhou, Nieng Yan [10'+5']	
Presenter affiliation: Tsinghua University, Beijing, China.	5
Sterol transport by ORP/Osh and STARD proteins at contact sites—Role of metabolic energy and distance Guillaume Drin, [20'+10'] Presenter affiliation: Université Côte d'Azur & CNRS, Valbonne, France.	6
Coffee / Tea Break	
Lipid storage and trafficking in human metabolic disorders Hongyuan Yang, [20'+10']	
Presenter affiliation: University of New South Wales, Sydney, Australia.	7
Two-year clinical follow-up of a familial hypercholesterolemia child diagnosed by clinical examination and DNA sequencing Hongwen Zhou, [10'+5']	
Presenter affiliation: the First Affiliated Hospital of Nanjing Medical University, Nanjing, China.	8
Quantitative control of lipid transort by the CMRD gene SAR1B Xiao-Wei Chen, [10'+5']	
Presenter affiliation: Peking University, Beijing, China.	9
Coming to grips with the greasy handle of a key cholesterol synthesis enzyme Andrew J. Brown, [20'+10']	
Presenter affiliation: UNSW, Sydney, Australia.	10
OCT1 is a high capacity thiamine transporter regulating liver lipid metabolism	
<u>Ligong Chen,</u> [10'+5'] Presenter affiliation: Tsinghua University, Beijing, China.	11

## SESSION 3 POSTER SESSION

Ontogenetic metabolome and transcriptome changes in human, rhesus macaque and mouse prefrontal cortex <u>Hindrike Bammann</u> , Masahiro Sugimoto, Masaru Tomita, Xi Jiang, Philipp Khaitovich	
Presenter affiliation: CAS-MPG Partner Institute for Computational Biology, Chinese Academy of Sciences, Shanghai, China; Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.	12
The Ral GAP complex as a molecular brake in insulin action Jia Lu, Huan Fang, Han Gao, <u>Xiao-Wei Chen</u> Presenter affiliation: Peking University, Beijing, China.	13
Genome-wide identification of novel regulators in the differentiation of hPSCs into human hepatocytes Shuang Li, Mushan Li, Yuanyuan Yang, Yanhao Chen, Zhen Shao, Qiurong Ding	
Presenter affiliation: Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, China.	14
Genetic architecture of visceral fat deposition in a chicken model Zhi-Qiang Du, Ning Wang, Hui Li Presenter affiliation: Key Laboratory of Chicken Genetics and Breeding, Ministry of Agriculture, Harbin, China; Key Laboratory of Animal Genetics, Breeding and Reproduction, Harbin, China; College of Animal Science and Technology, Northeast Agricultural University, Harbin, China.	15
Coupling of mitochondrial function and skeletal muscle fiber type by a miR-499/Fnip1/AMPK circuit Jing Liu, Xijun Liang, Danxia Zhou, Ling Lai, Liwei Xiao, Lin Liu, Tingting Fu, Yan Kong, Qian Zhou, Rick B. Vega, Min-Sheng Zhu, Daniel P. Kelly, Xiang Gao, Zhenji Gan Presenter affiliation: State Key Laboratory of Pharmaceutical	
Biotechnology and MOE Key Laboratory of Model Animals for Disease Study, Nanjing, China.	16

Shangyu Hong, Alexander S. Banks	
Presenter affiliation: Harvard Medical School, Boston, Massachusetts.	17
Hepatic KLF2 regulates lipids metabolism in obese mice Yuhong Huang,	
Presenter affiliation: Chinese University of Hong Kong, Hong Kong.	18
Ultraviolet-induced loss of subcutaneous fat may lead to the deterioration of skin function <u>Eun Ju Kim</u> , Yeon kyung Kim, Sungsoo Kim, Ji Eun Kim, Yu Dan Tian, Dong Hun Lee	
Presenter affiliation: Seoul National University College of Medicine, Seoul, South Korea; Seoul National University Hospital, Seoul, South Korea; Seoul National University, Seoul, South Korea.	19
Anacardic acid reduces lipogenesis in human differentiated adipocytes via inhibition of histone acetylation  Min-Kyoung Kim, Eun Ju Kim, Yeon Kyung Kim, Dong Hun Lee, Jin Ho Chung	
Presenter affiliation: Seoul National University College of Medicine, Seoul, South Korea; Seoul National University Hospital, Seoul, South Korea; Seoul National University, Seoul, South Korea.	20
IL-10-producing iNKT cells prevent obesity-induced hepatitis in a C-C chemokine receptor 7-dependent manner Jae-Hee Ahn, Hong Min Kim, Bo Ra Lee, Eun-Hye Hong, Eun-Kyeong Park, Jae-won Cho, Sung-Hoon Ahn, ChoonHee Chung, Hyun-Jeong Ko	
Presenter affiliation: Kangwon National University, Chuncheon, South Korea.	21
C1q/TNF-related protein 6 links obesity to adipose tissue inflammation and insulin resistance  Xia Lei, Marcus M. Seldin, Hannah C. Little, Nicholas Choy, Thomas Klonisch, G. William Wong  Presenter affiliation: The Johns Hopkins University School of Medicine,	
Baltimore, Maryland.  Changes in lipidome composition during brain development in	22
humans, chimpanzees, and macaque monkeys Qian Li, Katarzyna Bozek, Chuan Xu, Yanan Guo, Patrick Giavalisco, Philipp Khaitovich	
Presenter affiliation: CAS-MPG Partner Institute for Computational Biology, Shanghai, China.	23

Cholesterol esterifying subdomains of the endoplasmic reticulum Shiqian Li, Veijo T. Salo, Johan Peränen, Elina Ikonen Presenter affiliation: University of Helsinki, Helsinki, Finland; Minerva Foundation, Helsinki, Finland.	24
High carbohydrate diet is associated with de novo lipogenesis and the development of NAFLD Xuelian Xiong, Yan Lu, Xiaoying Li Presenter affiliation: Zhongshan Hospital affiliated Fudan University, Shanghai, China.	25
Saturated fatty acid induces inflammation and myocardial inflammatory injuries through direct binding to TLR4 accessory protein MD2 Yi Wang, Lintao Wang, Yali Zhang, Zheng Xu, Guang Liang Presenter affiliation: Wenzhou Medical University, Wenzhou, China.	26
Ghrelin receptor deletion in AgRP neurons mitigates diet-induced obesity by activating thermogenesis Ligen Lin, Chia-Shan Wu, Jong Han Lee, Allison W. Xu, Yong Xu, Yuxiang Sun Presenter affiliation: University of Macau, Taipa, Macau; Baylor College of Medicine, Houston, Texas.	27
5-HT2C receptors in brainstem neurons regulate glucose homeostasis  Tiemin Liu, Ting Yao, Jia Sun, Kevin Williams, Joel Elmquist Presenter affiliation: Harbin Medical University, Harbin, China; UT Southwestern Medical Center, Dallas, Texas.	28
An N-end rule-mediated proteasomal degradation of ATGL promotes lipid storage  Zhenglong Liu, Wei Wang, Xuefan Zhao, Mei Zhen, Xun Huang Presenter affiliation: State Key Laboratory of Molecular and Developmental Biology, Beijing, China; University of Chinese Academy of Sciences, Beijing, China.	29
A MARCH6 and IDOL E3 ubiquitin ligase circuit uncouples cholesterol synthesis from lipoprotein uptake in hepatocytes Anke Loregger-Wiesmann, Emma Cook, Jessica Nelson, Martina Morton, Laura Sharpe, Susanna Engberg, Madina Karimova, Gilles Lambert, Andrew Brown, Noam Zelcer Presenter affiliation: Academic Medical Center, University of Amsterdam, Amsterdam, the Netherlands.	30

RNA binding protein QKI is a novel regulator in adipose energy homeostasis by forming a negative-feedback loop with Pgc1α related signaling Huanyu Lu, Zichen Ye, Jingyuan Chen, Zifan Lu	
Presenter affiliation: 4th Military Medical University, Xian, China.	31
Overexpression of calreticulin induces Resistin-like α overexpression and metabolic syndrome Rashmi Kulkarni, Nasrin Mesaeli Presenter affiliation: Weill Cornell Medicine Qatar, Doha, Qatar.	32
The free fatty acid receptor GPR84—A new player in glucose tolerance and mitochondrial function?  Magdalene K. Montgomery, Amanda E. Brandon, Liam O'Reilly, Brenna Osborne, Corrine E. Fiveash, Simon H. Brown, Nicola J. Smith, Todd W. Mitchell, Trevor J. Biden, Gregory J. Cooney, Nigel Turner	
Presenter affiliation: University of New South Wales, Sydney, Australia; Monash University, Melbourne, Australia.	33
Discovering new metformin regulated metabolic pathways through metabolomics and lipidomics Min Yan, Wen Wang, Hai-long Piao Presenter affiliation: Scientific Research Center for Translational Medicine, Dalian, China; Key Laboratory of Separation Science for Analytical Chemistry, Dalian, China; University of Chinese Academy of Sciences, Beijing, China.	34
Docosahexaenoic acid reduces expression of sterol regulatory element binding protein-1 and fatty acid synthase expression and inhibits cell proliferation by inhibiting pAkt signaling in a human breast cancer cell line <u>Hui-Min Su</u> , Li-Syuan Huang, Hsin-Yun Chung  Presenter affiliation: National Taiwan University, Taipei, Taiwan.	35
CIDE proteins facilitate SCAP Endoplasmic Reticulum budding to promote SREBP maturation <u>Lu Su</u> , Hui Qian, Linkang Zhou, Yuanyuan Sheng, Feng-Jung Chen, Huimin Wang, Xiaowei Chen, Peng Li  Presenter affiliation: MOE key laboratory of Bioinformatics and Tsinghua-Peking Center for Life Sciences, Beijing, China.	36

<b>Leucine catabolites promote adipogenesis</b> Jing Shao, Meiyi Zhou, Jiayu Yu, Weibing Dong, Yunxia Liu, <u>Haipeng</u> Sun	
Presenter affiliation: Shanghai Jiao Tong University School of Medicine, Shanghai, China.	37
Inter-organ communication—Muscle aging driven by Cisd2 deficiency regulates the homeostasis of adipose tissues Yuan-chi Teng, Chia-Yu Wu, Yi-Fan Chen, Ting-Fen Tsai Presenter affiliation: National Yang-Ming University and Academia Sinica, Taipei, Taiwan.	38
Dissecting the role of the unfolded protein response during lipid perturbation  Guillaume Thibault,  Presenter affiliation: Nanyang Technological University, Singapore.	39
GSK3 activity is involved in the regulation of adipogenesis, energy metabolism and insulin action in adipocytes in <i>vitro</i> and obesity associated metabolic disorders in <i>vivo</i> <u>Li Wang</u> , Zhiqiang Zhao, Lijun Di  Presenter affiliation: University of Macau, Macau, Macau.	40
The hypoxia-inducible factor 1α-lysophosphatidylcholine axis orchestrates homocysteine-mediated activation of the adipocyte NLRP3 inflammasome Xian Wang, Yongqiang Dong, Changtao Jiang Presenter affiliation: Peking University, Beijing, China.	41
Macrophage IRE1α links metabolic ER stress to energy imbalance in obesity <u>Xiaoxia Wang</u> , Bo Shan, Ying Wu, Yong Liu Presenter affiliation: SIBS,Chinese Academy of Sciences, Shanghai, China.	42
Effects of adipose tissue-specific GHR knockout on the lipid metabolism in mice Xiaoshuang Wang, Xiangdong Liu, Shuang Wang, Liyuan Ran, Yingjie Wu	
Presenter affiliation: Dalian Medical University, Dalian, China.	43

Integrative analyses of translatome and transcriptome reveal important translational controls in brown and white adipose regulated by microRNAs	
David W. Reid, <u>Dan Xu</u> , Hongyuan Yang, Lei Sun Presenter affiliation: Duke-NUS Medical School, Singapore.	44
Narciclasine attenuates diet-induced obesity by promoting oxidative metabolism in skeletal muscle Sofi G. Julien, Feng Xu Presenter affiliation: Singapore Institute for Clinical Sciences,	
Singapore.	45
Carboxylesterase 1 deficiency protects against atherosclerosis in LdIr-/-mice  Jiesi Xu, Yang Xu, Liya Yin, Yanqiao Zhang  Presenter affiliation: Institute of Genetics and Developmental Biology Chinese Academy of Sciences, beijing, China; Northeast Ohio Medical University, Rootstown, Ohio.	46
Anhydroicaritin improves diet-induced obesity and alleviates insulin resistance by suppressing SREBPs Zuguo Zheng, Yaping Zhou, Huijun Li, <u>Xiaojun Xu</u> Presenter affiliation: China Pharmaceutical University, Nanjing, China.	47
Long-term impairment of calcium signaling promotes <i>Drosophila</i> obesity  Yanjun Xu, Ronald P. Kuehnlein  Presenter affiliation: Max Planck Institute for Biophysical Chemistry, Goettingen, Germany.	48
Phosphatidylserine synthetase regulates lipid storage and cell size Xiao Yang, Xia Li, Xun Huang Presenter affiliation: State Key Laboratory of Molecular Developmental Biology, Beijing, China; Institute of Genetics and Developmental Biology, Beijing, China.	49
MST1 is a novel regulator in hepatic lipid and glucose homeostasis Li F. Jia, Wang M. Li, Yansong M. Luan, Hanyu F. Li, Jianning M. Li, Lirong F. Ma, Hui M. Song, Yan M. Li, Bo M. Sun, Peng F. Zhang, Wufan M. Tao, Yi F. Yang Presenter affiliation: Basical Medicine College, Ningxia Medical University, YInChuan, China.	50

Identification of a novel regulator of cholesterol metabolism with	
therapeutic potential for cardiovascular disease <u>Eser J. Zerenturk</u> , Thomas Q. Vallim, Benjamin L. Parker, Elizabeth J.  Tarling, Yingying Liu, Michael F. Keating, Ross Lazarus, Calvin Pan, Marcus Seldin, Marcio Almeida, Juan Peralta, Joanne E. Curran, John Blangero, Peter J. Meikle, David E. James, Aldons J. Lusis, Brian G.  Drew, Anna C. Calkin	
Presenter affiliation: Baker Heart and Diabetes Institute, Melbourne, Australia.	51
PET/CT and SPECT/CT based identification of rodent BAT and beige depots—Image guided exploration of human-like thermogenic tissues in mice Fang Zhang, Guiyang Hao, Mengle Shao, Gedaa Hassan, Yu An, Qiong Wang, Christine M. Kusminski, Kien Nham, Rana K. Gupta, Qiwei Zhai, Orhan Oz, Philipp E. Scherer	
Presenter affiliation: Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, China; The University of Texas Southwestern Medical Center, Dallas, Texas.	52
Heat treatment and exercise prevents skeletal muscle insulin resistance in Wistar rats fed high-fat diet Jiexiu Zhao, Fei Qin, Minxiao Xu, Chaoyi Qu, Zhongwei Wang, Yanan Dong Presenter affiliation: China Institute of Sport Science, Beijing, China.	53
MetAP2 inhibition attenuates de novo lipogenesis in HFD-induced DIO mice—An in vivo fatty acid and albumin production-tracing study using D2O water	
Haixia Zou, Jianfeng Xu, Huachuan Cao, Zheng Huang Presenter affiliation: Lilly China Research and Development Center, Shanghai, China.	54

TUESDAY, April 11—4:30 PM

**Chinese Tea and Beer Tasting** 

## TUESDAY, April 11—7:00 PM

SESSION 4	ADIPOSE TISSUE AND ADIPOKINES	
Chairperson:	<b>Jun Liu,</b> Mayo Clinic College of Medicine, Scottsdale, Arizona, USA	
exosome bioge		55
The brown fat-e checkpoint for I	enriched secreted factor Nrg4 is an endocrine NASH progression	55
	Liang Guo, <u>Jiandie Lin</u> [20'+10'] ion: University of Michigan, Ann Arbor, Michigan.	56
IRF4-myostatin-	unction induces skeletal muscle myopathy via an -mediated pathway Tiemin Liu, Evan Rosen [10'+5']	
	ion: HMS-BIDMC, Boston, Massachusetts.	57
Coffee / Tea Bre	eak	
adiposity and g Qi-Qun Tang, Sh Presenter affiliati	ks with estrogen/ΕRα signaling to regulate lucose metabolism in females nu-Wen Qian, Yan Tang [20'+10'] ion: Key Lab of Metabolism and Molecular Medicine, ation, Shanghai, China.	58
Xiong Su, [10'+	ions of adipocyte-originated fatty acid derivatives [+5'] ion: Soochow University Medical College, Suzhou,	59
Philipp E. Schere	-Impact on systemic energy homeostasis er, [20'+10'] ion: University of Texas Southwestern Medical Center,	
Dallas, Texas.	•	60

## WEDNESDAY, April 12-9:00 AM

SESSION 5	LIPID SYNTHESIS AND STORAGE	
Chairperson:	<b>Pingsheng Liu,</b> Institute of Biophysics, CAS, Beijing, China	
Robert V. Farese	th excess metabolic energy , <u>Tobias C. Walther</u> [20'+10'] on: Harvard T.H. Chan School of Public Health, usetts.	61
accumulation in Jieyu Wu, Xue Jia Presenter affiliatio Disease Mechani	diated lipogenesis links nucleolus stress to fat Caenorhabditis elegans ang, Bin Liang [10'+5'] on: Key Laboratory of Animal Models and Human sms of the Chinese Academy of Sciences and , Kunming, China.	62
energy metaboli Fangfang Sun, Su	endent coordination of nutrient sensing and sm by mTORC2 uneng Fu [10'+5'] on: Tsinghua University, Beijing, China.	63
Peng Li, [20'+10	mechanism of lipid storage 0'] on: Tsinghua University, Beijing, China.	64
Coffee / Tea Bre	ak	
droplet dynamic Simon G. Pfistere Veijo T. Salo, Lee Ryhänen, Pekka Presenter affiliatio	like 1-dependent acto-myosin assembly in lipid is and lipid storage er, Gergana Gateva, Peter Horvath, Juho Pirhonen, ena Karhinen, Markku Varjosalo, Samppa J. Lappalainen, Elina Ikonen [20'+10'] on: University of Helsinki, Helsinki, Finland; Minerva ute for Medical Research, Helsinki, Finland.	65
nonalcoholic fat Dong Yu, Xiaoxin [10'+5']	e receptor plays a key role in the pathogenesis of ty liver disease Wang, Yan Liu, Jin Wu, Rujiao Jiang, <u>Yingjie Wu</u> on: Dalian Medical University, Dalian, China.	66

Zhang [10'+5']	thou, Hai Zhang, Rong Chen, Yu-Xia Chen, Weiping on: Second Military Medical University, Shanghai,	67
Will Prinz, [20'+	dding from the ER -10'] on: NIH/NIDDK, Bethesda, Maryland.	68
<b>5p/PGC-1β axis</b> Siyu Chen, Xiaoa <u>Chang Liu</u> [10'+ Presenter affiliation Nanjing, China; C	effect of oleanolic acid is mediated by the miR-98- in high-fat diet-induced hyperlipidemic mice in Wen, Wenxiang Zhang, Chen Wang, Jun Liu, 5'] on: State Key Laboratory of Natural Medicines, China Pharmaceutical University, Nanjing, China; University, Nanjing, China	69
	WEDNESDAY, APRIL 12—1:30 PM	
	Visit to Old Suzhou	
	WEDNESDAY, April 12—7:00 PM	
SESSION 6	LIPID SYNTHESIS, SIGNALLING, ATHEROSCLEROS	SIS
Chairperson:	<b>Xingxing Kong,</b> Harvard Medical School, BIDMC, Bos Massachusetts, USA	ston
chylomicron for Karen Reue, [2	0'+10'] on: David Geffen School of Medicine at UCLA, Los	70
adiposity Sheng-Cai Lin,	lipin 1 acetylation links fatty acid sensing to [20'+10'] on: Xiamen University, Xiamen, China.	71

Regulation of hepatic lipogenesis by the zinc finger protein

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01
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## THURSDAY, April 13-2:00 PM

SESSION 8	ADIPOGENESIS AND ADIPOCYTES	
Chairperson:	Haipeng Sun, Shanghai Jiao Tong University School Medicine, Shanghai, China	of
	criptome changes in adipose tissue during obesity coles of IncRNA regulators	
	tion: Duke-NUS Graduate Medical School, Singapore.	84
	reen IKKβ and Wnt/β-catenin signaling regulates and osteogenesis in mesenchymal stem cells	
	tion: University of Kentucky, Lexington, Kentucky.	85
	nic functions of brown/beige adipocytes 0'+5']	
	tion: University of California, San Francisco, San	86
Rewiring of the differentiation	e 3D chromatin structure during adipocyte	
Susanne Mandr	rup, [20'+10'] tion: University of Southern Denmark, Odense,	87
	THURSDAY, April 13—4:00 PM	
SESSION 9	SIGNALLING AND INFLAMMATION	
Chairperson:	Suneng Fu, Tsinghua University, Beijing, China	
pathway in obe	ochondrial stress-activated cGAS/STING signaling esity-induced inflammation and insulin resistance oher Cervantes, Huan Cai, Meilian Liu, Lily Dong, Feng	
Presenter affilia	tion: University of Texas Health, San Antonio, Texas;	88

Crosstalk among innate immunity,	autophagy an	d energy
metabolism		

Qing Zhong, Yueguang Rong [20'+10']

Presenter affiliation: UT Southwestern Medical Center, Dallas, Texas. 89

## The chameleon role TLR4 in lipid-induced macrophage inflammation

Mark A. Febbraio, [20'+10']

Presenter affiliation: Garvan Institute of Medical Research, Sydney,
Australia. 90

THURSDAY, APRIL 13-6:00 PM

#### Poster Awards

Hosted by
Peng Li, Peter Tontonoz, Tobias Walter, Hongyuan Yang
COCKTAILS and BANQUET

FRIDAY, April 14—9:00 AM

SESSION 10 NEURONAL REGULATION OF METABOLISM

Chairperson: Tiemin Liu, Harbin Medical University, Harbin, China

#### **KEYNOTE SPEAKER**

## Leptin and the regulation of food intake and body weight Jeffrev M. Freidman. [35'+10']

Presenter affiliation: Rockefeller University, New York, New York.

Disruption of Grb10 in Pomc neurons improves energy homeostasis by promoting beigeing and energy expenditure Fang Hu, Hailan Liu, Feng Liu [10'+5']

Presenter affiliation: the Second Xiangya Hospital of Central South University, Changsha, China.

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A hypothalamic circuit that controls body temperature Wen Yang, Qian Zhou, <u>Wei Shen</u> [10'+5'] Presenter affiliation: Shanghaitech University, Shanghai, China.			
RE1α/XBP1s in Pomc neurons connects ER stress with energy balance and glucose homeostasis Ting Yao, Yong Gao, Yiru Huang, Jia Sun, Zhenyan He, Tiemin Liu, Kevin W. Williams [10'+5'] Presenter affiliation: UT Southwestern Medical Center, Dallas, Texas.	94		
Lipoprotein lipase maintains microglial innate immunity in obesity Yuanqing Gao, Andrés Vidal-Itriago, Martin J. Kalsbeek, Clarita Layritz, Cristina García-Cáceres, Thomas O. Eichmann, Frédéric M. Vaz, Riekelt H. Houtkooper, Nicole van der Wel, Arthur J. Verhoeven, Andries Kalsbeek, Robert H. Eckel, Matthias H. Tschöp, Chun-Xia Yi [10'+5'] Presenter affiliation: Academic Medical Center, University of			
Amsterdam, Amsterdam, the Netherlands.  FRIDAY, April 14—11:00 AM	95		
SESSION 11 OMICS AND TECHNOLOGIES			
Chairperson: Hongyuan Yang, University of New South Wales, Australia			
Natural variation of blood plasma lipids in healthy Asian individuals  Markus R. Wenk, [20'+10']  Presenter affiliation: National University of Singapore, Singapore.	96		
Towards ultrasensitive quantitative metabolomic phenotyping for mammals  Huiru Tang, Yulan Wang [10'+5']  Presenter affiliation: Fudan University, Shanghai, China.	97		
Omic studies reveal the pathogenic lipid droplet proteins  Pingsheng Liu, [20'+10']  Presenter affiliation: Institute of Biophysics, Beijing, China.	98		

## **Concluding Remarks**