PROGRAM

MONDAY, October 22-7:00 PM

KEYNOTE SPEAKER

	organization and telomerase mediated ting it all together	
Raymund J. Well		
	on: Université de Sherbrooke, Sherbrooke, Canada.	1
	TUESDAY, October 23—9:00 AM	
SESSION 1	FUNCTIONS OF TELOMERE PROTEINS AND TELOMERASE	
Chairpersons:	Zhou Songyang, Baylor College of Medicine, Houst Texas, USA Alex Chang, Stanford University, Stanford, California USA	
cells to elucidate regulation	enetically engineered human pluripotent stem e the molecular principles of TERT transcriptional Franziska Lorbeer, Manraj Gill, Tina Wagner, Dirk	
Hockemeyer [20		
	on: UC Berkeley, Berkeley, California.	2
(TERT) gene in r De Cheng, Yuanj [12'+3']	umanized telomerase reverse transcriptase mouse embryonic stem cells un Zhao, Fan Zhang, Shuwen Wang, Jiyue Zhu	
Presenter affiliation Washington.	on: Washington State University, Spokane,	3
pulmonary fibro		
Tianju Liu, Franci Sem H. Phan [1	na Gonzalez De Los Santos, Zhe Wu, Yuyue Zhao, 2'+3'l	
	on: University of Michigan, Ann Arbor, Michigan.	4

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ZBTB48 is both a telomere binding protein and a transcriptional activator

Arne Jahn, <u>Grishma Rane</u>, Maciej Paszkowski-Rogacz, Sergi Sayols Puig, Alina Bluhm, Vineeth Mukundan, Louis-Peter Hor, Chung-Ting Han, Irena Draškovic, Arturo Londoño, Oliver Dreesen, Frank Buchholz, Falk Butter, Dennis Kappei [12'+3'] Presenter affiliation: Cancer Science Institute, Singapore.

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TUESDAY, October 23-10:30 AM

SESSION 2 SHELTERIN AND TELOMERE FUNCTION

Chairpersons: Raymund Wellinger, Université de Sherbrooke,

Sherbrooke, Canada

Yong Zhao, Sun Yat-sen University, Guangzhou, China

TPP1 turnover and lung fibrosis

Jun-Ping Liu [20'+5']

Presenter affiliation: Hangzhou Normal University, Hangzhou, China; Monash University, Melbourne, Australia.

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Pericentromeric instability triggered by TRF2 decline during replicative senescence

Aaron Mendez-Bermudez, Liudmyla Lototska, Serge Bauwens, Marie-Josephe Giraud-Panis, Joe Nassour, Corinne Abbadie, Stephan Koundrioukoff, Michelle Debatisse, Jing Ye, Eric Gilson [20'+5'] Presenter affiliation: University of Nice, CNRS UMR 7284 - INSERM U1081, Nice, France.

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RAP1 regulates the expression of p21 via the mTOR/p70S6K pathway

Wei-Qin Jiang, Ying Cao, Roger Reddel [20'+5'] Presenter affiliation: Children's Medical Research Institute, The University of Sydney, Westmead, Australia.

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HOT1 is a direct telomere-binding protein in vertebrates

Falk Butter, Dennis Kappei [12'+3']

Presenter affiliation: Institute of Molecular Biology, Mainz, Germany.

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TERFA compromised zebrafish embryos die from neurogenesis	
failure <u>Yilin Ying</u> , Xuefei Hu, Peng Han, Jun Xing, Ninan Chen, Yiming Lu, Eric Gilson, Jing Ye	
Presenter affiliation: Shanghai Jiao Tong University School of Medicine, Shanghai, China; Nice University, Nice, France.	23
TRF2 attenuates the replicative damages at heterochromatin of neural cells by recruiting PP2A	
Xiuyun Zhai, Jun Xing, Peng Han, Ninan Chen, Wai Ian Leong, Yiming Lu, Eric Gilson, Jing Ye	
Presenter affiliation: Shanghai Ruijin Hospital, Shanghai, China; International Laboratory in Hematology and Cancer, Shanghai, China.	24
Telomeric recombination induced by DNA damage results in telomere extension and length heterogeneity Haiying Liu, Canfeng Zhang, Yong Zhao	
Presenter affiliation: Sun Yat-sen University, Guangzhou, California.	25
Ccq1-a scaffold for Shelterin-CLRC-SHREC Yuanze Zhou, Jing Xue, Hongwen Chen, Jian Wu, Ming Lei Presenter affiliation: Shanghai Jiao Tong University School of Medicine, ShangHai, China; National Key Laboratory of Crop Genetic Improvement, WuHan, China.	
TUESDAY, October 23—4:30 PM	
Chinese Tea and Beer Tasting	
TUESDAY, October 23—7:00 PM	
KEYNOTE SPEAKER	
Autophagic cell death restricts chromosomal instability during	
replicative crisis Joe Nassour, Robert Radford, Adriana Correia, Brigitte Schoell, Anna	
Jauch, <u>Jan Karlseder</u> [50'+10'] Presenter affiliation: The Salk Institute for Biological Studies, La Jolla, California.	27

WEDNESDAY, October 24—9:00 AM

SESSION 4	TELOMERE RECOMBINATION AND ALT I	
Chairpersons:	Vincent Geli, Marseille Cancer Research Center, Marseille, France Jun-Ping Liu, Hangzhou Normal University, Hangzh China	ou,
lengthening of to Jerome Dejardin, Raymund Welling	Mathidle Gauchier, Sophie Kan, Axel Imhof,	28
complex Ming Lei, Chongk <u>Liu</u> [20'+5']	nd function of the SLX4 DNA repair endonuclease ui Sun, Bingbing Wan, Jaya Sarkar, Kun Wang, <u>Yie</u> on: National Institute on Aging, Baltimore, Maryland.	29
clustering <u>Liuh-yow Chen</u> , H	e receptors instigate APB formation and telomere Isuan-Yu Hsia [12'+3'] on: Academia Sinica, Taipei, Taiwan.	30
telomeres via bro Hyunsook Lee, M	on engages with the alternative lengthening of eak-induced replication isun Kwon, Jennifer J. Lee [12'+3'] on: Seoul National University, Seoul, South Korea.	31
telomere synthe: Jaewon Min, Woo	pere clustering promotes spontaneous mitotic sis odring E. Wright, Jerry W. Shay [12'+3'] on: UT Southwestern Medical Center, Dallas, Texas.	32

WEDNESDAY, October 24—10:30 AM

SESSION 5	TELOMERE RECOMBINATION AND ALT II	
Chairpersons:	Fuyuki Ishikawa , Kyoto University, Kyoto, Japan Shang Li , Duke-NUS Medical School, Singapore	
genomic regions Chuna Kim, Sang BeomSeok Seo, Park, <u>Junho Lee</u>	telomeres without telomerase using internal s in worms and mammals ghyun Sung, Eunkyeong Kim, Dongan Kwon, Sunny Shin, Hiroyuki Niida, Jongseo Kim, Daechan [20'+5'] on: Seoul National University, Seoul, South Korea.	33
loops at telomer Arianna Lockhart [20'+5']	, Vaness Borges Pires, Stefano Misino, <u>Brian Luke</u> on: Johannes Gutenberg University, Mainz, Germany;	34
complex activity Robert Lu, Julien Christopher B. No	sees ALT activity by modulating BLM-TOP3A-RMI at telomeres ne O'Rourke, Alexander P. Sobinoff, Joshua A. Allen, elson, Andrew J. Deans, Hilda A. Pickett [20'+5'] on: Children's Medical Research Institute, NSW,	35
Strand break-induced replication fork collapse leads to C-circles, C-overhang and telomeric recombination Tianpeng Zhang, Zepeng Zhang, Yong Zhao [20'+5'] Presenter affiliation: Sun Yat-sen University, Guangzhou, China.		36
	WEDNESDAY, October 24—1:30 PM	

Free Evening

Visit to Old Suzhou

THURSDAY, October 25—9:00 AM

SESSION 6	TELOMERE REPLICATION AND LENGTH REGULATION	ΓΙΟΝ
Chairpersons:	Jerome Dejardin, Institute of Human Genetics, Montpellier, France Yie Liu, National Institute on Aging, Baltimore, Maryla USA	nd,
telomere elonga Jing Wang, Alice Shang Li [20'+5'		
Presenter affiliation	on: Duke-NUS Medical School, Singapore.	37
rearrangement) Hiroyuki Irie, Kurt	through two distinct mechanisms W. Runge, <u>Fuyuki Ishikawa</u> [20'+5'] on: Kyoto University, Kyoto, Japan.	38
	for reactivation of -146C>T mutant TERT	
promoter Vinay Tergaonka Presenter affiliation	r [20'+5'] on: Institute of Molecular and Cell Biology, Singapore.	39
A coding-indepe	endent role for histone 1C mRNA in the regulation	
Roland Ivanyi-Na Dharshana, Peh I	eostasis gy, Syed Moiz Ahmed, Sabrina Peter, Ramani Priya Fern Ong, Oliver Dreesen, Peter Droge [12'+3'] on: Nanyang Technological University, Singapore.	40

THURSDAY, October 25—11:00 AM

SESSION 7	TELOMERE ANCHORING	
Chairpersons:	Sandy Chang, Yale University School of Medicine, New Haven, Connecticut, USA Hilda Pickett, Children's Medical Research Institute, Westmead, Australia	
	hts into chromosome attachment to the nuclear inner nuclear membrane protein Bqt4 in fission	
	na Inoue Inoue, Wenqi Sun, Yumiko Takeshita, Junko	
Presenter affiliation Biology, Chinese	on: Shanghai Institute of Biochemistry and Cell Academy of Sciences, Shanghai, China; Shanghai Shanghai, China.	41
The meiotic TEF	RB1-TERB2-MAJIN complex tethers telomeres to	
Yan Wang, Yany Presenter affiliati Shanghai Institut Sciences, Shang	an Chen, Chenhui Huang, Ming Lei [12'+3'] on: Institute of Biochemistry and Cell Biology, es for Biological Sciences, Chinese Academy of hai, China; Shanghai Research Center, Chinese nces, Shanghai, China.	42
SUN1-Speedy A NE	complex regulates telomere movements on the	
	an Wang, Chenhui Huang, Ming Lei [12'+3'] on: Shanghai Research Center, Shanghai, China.	43

THURSDAY, October 25—2:00 PM

SESSION 8	TELOMERE MAINTENANCE, AGING AND DISEASE	I
Chairpersons:	Jan Karlseder, The Salk Institute for Biological Studie La Jolla, California, USA Alison Bertuch, Baylor College of Medicine, Houston Texas, USA	
cells are bioma Jerry W. Shay [
Presenter amiliati	on: UT Southwestern Medical Center, Dallas, Texas.	44
<u>Alex Chia Yu Ch</u> W. Day, Joseph	ng in lethal dilated cardiomyopathy ang, Gaspard Pardon, Andrew Chia Hao Chang, John C. Wu, Beth Pruitt, Helen M. Blau [20'+5'] on: Stanford University, Stanford, California.	45
<u>Zhou Songyang,</u> Presenter affiliati	telomere regulation in human cells Yi Liu, Feng Li, Guang Shi, Tingting Deng [20'+5'] on: Sun Yat-sen University, Guangzhou, China; f Medicine, Houston, Texas.	46
Zhijing Wu, Cher Hong He, Xiaoli X Presenter affiliati Chinese Academ	enance in single chromosome yeasts n Cai, Yangyang Shao, Ning Lu, Jia-Cheng Liu, Ming- Xue, Zhongjun Qin, <u>Jin-Qiu Zhou</u> [12'+3'] on: University of Chinese Academy of Sciences, ny of Sciences, Shanghai, China; Shanghai Institute of d Cell Biology, CAS, Shanghai, China.	47

THURSDAY, October 25-4:00 PM

SESSION 9	TELOMERE MAINTENANCE, AGING AND DISEASE	Ш
Chairpersons:	Dirk Hockmeyer, University of California, Berkeley, Berkeley, California, USA Lin Liu, Nankai University, Tianjin, China	
promoter as a m Marielle Breau, D Remy Catellano, Gilson, Ignacio F	ression of telomerase under the control of the p21 nodel of senescence bypass mitri Churikov, Serge Bauwens, Frederic Jourquin, Giovanna Giovanazzo, Carlota Sanchez-Ferrer, Eric lores, Serge Adnot, Vincent Geli [20'+5'] on: Marseille Cancer Research Center, Marseille,	48
end-processing Penelope Krousta Ying Q. Esbense Nilsen [12'+3']	es telomere maintenance through telomerase RNA allaki, Lisa Lirussi, Sergio Carracedo, Alexandra Götz, n, Lene Alsøe, Pål Sætrom, Sarantis Gagos, Hilde on: University of Oslo, Lørenskog, Norway.	49
the length of pre Mark Phillippe, M	erting a telomere gestational clock that determines egnancy ichala R. Sawyer [12'+3'] on: Massachusetts General Hospital, Boston,	

THURSDAY, October 25—6:00 PM

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Massachusetts.

COCKTAILS and BANQUET

FRIDAY, October 26-9:00 AM

SESSION 10	MECHANISMS OF TELOMERE PROTECTION	
Chairpersons:	Roger Reddel, Children's Medical Research Institute, Westmead, Australia Junho Lee, Seoul National University, Seoul, Korea	
Ann Sukumar, Ale Williams, Sandra	mer at human telomeres essandro Baldan, Celina Jones, Elif Asik, Christopher Indiviglio, <u>Alison Bertuch</u> [20'+5'] on: Baylor College of Medicine, Houston, Texas.	51
quadruplex accu Feng Wang [20'		52
capping by the C Yunhui Ge, Zhenf Presenter affiliation Medicine, Shangh	ats into telomerase inhibition and telomere CST complex in budding yeast fang Wu, Hongwen Chen, Jian Wu, Ming Lei [12'+3'] on: Shanghai Jiao Tong University School of nai, China; Shanghai Institute of Biochemistry and rersity of Chinese Academy of Sciences, Shanghai,	53
	FRIDAY, October 26—10:30 AM	
SESSION 11	TELOMERE AND CHROMOSOME STABILITY	
Chairpersons:	Eric Gilson , University of Nice, Nice, France Vinay Tergaonkar , Institute of Molecular and Cell Biol Singapore	logy,
telomeres lackin Rekha Rai, <u>Sand</u> y		54

Novel role of telomeres in regulating retrotransposable elements Lin Liu, Xinyi Lu, Renpeng Guo, Jian Mao, Hua Wang [20'+5'] Presenter affiliation: Nankai University, Tianjin, China. Studying the function of BRCA2 and MRE11 in replication stress	
Studying the function of BRCA2 and MRE11 in replication stress at telomere	
<u>Junyeop Lee</u> , SoYoung Joo, Hyunsook Lee [12'+3'] Presenter affiliation: Seoul National University, Seoul, South Korea.	56