PROGRAM

MONDAY, November 11—7:00 PM

SESSION 1 KEYNOTE SESSION

Chairperson: **Xiaodong Wang,** National Institute of Biological Sciences, Beijing, China

Keeping mitochondria in shape
Aleksandra Trifunovic [35'+10'+5']
Presenter affiliation: University of Cologne, Cologne, Germany. 1

Affairs of mitochondria with calcium
Gyorgy Hajnoczky [35'+10'+5']
Presenter affiliation: Thomas Jefferson University, Philadelphia, Pennsylvania. 2

TUESDAY, November 12—9:00 AM

SESSION 2 MITOCHONDRIAL BIOGENESIS AND PROTEIN HOMEOSTASIS

Chairperson: **Nika Danial,** Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts, USA

The guided tour of proteins to mitochondria
Agnieszka Chacinska [20'+10']
Presenter affiliation: Centre of New Technologies University of Warsaw, Warsaw, Poland. 3

Molecular coupling of mitochondrial protein translocases
Thomas Becker [20'+10']
Presenter affiliation: University of Freiburg, Freiburg, Germany. 4

Tetrahydrobiopterin stimulates mitochondrial biogenesis through increased PGC-1alpha expression in mice hearts
Hyoung Kyu Kim, Jin Han [20'+10']
Presenter affiliation: Inje University, Busan, South Korea. 5

TUESDAY, November 12—11:15 AM

SESSION 3 REGULATION OF MITOCHONDRIAL GENE EXPRESSION

Chairperson: **Naotada Ishihara,** Osaka University, Osaka, Japan

TUESDAY, November 12—2:00 PM

SESSION 4 POSTER SESSION

TUESDAY, November 12—4:30 PM

Chinese Tea and Beer Tasting

SESSION 5 METABOLISM

Chairperson: **Ildikò Szabò,** University of Padova, Padova, Italy

WEDNESDAY, November 13—9:00 AM

SESSION 6 MITOCHONDRIAL DYNAMICS AND ER INTERACTIONS

Chairperson: **Aleksandra Trifunovic,** University of Cologne, Cologne, Germany

WEDNESDAY, November 13—11:15 AM

SESSION 7 MECHANISTIC BASIS OF MITOCHONDRIAL DISEASES

Chairperson: **Agnieszka Chacinska,** University of Warsaw, Warsaw, Poland

Expression of the mutant *MFN2* induces different severity of neurodegeneration depends on its expression timing
Kaori Ishikawa, Satoshi Yamamoto, Satoko Hattori, Naoya Nishimura, Hirokazu Matsumoto, Tsuyoshi Miyakawa, Kazuto Nakada [20'+10']
Presenter affiliation: University of Tsukuba, Tsukuba, Japan. 69

Tune the metabolic drivers of immune cell potency, fate and fitness
David Ferrick [20'+10']
Presenter affiliation: Agilent Cell Analysis, Lexington, Massachusetts. 70

WEDNESDAY, November 13—2:00 PM

Visit to Old Suzhou

WEDNESDAY, November 13—7:00 PM

SESSION 8 MITOPHAGY AND INFLAMMATION

Chairperson: **György Hajnoczky,** Thomas Jefferson University, Philadelphia, Pennsylvania, USA

Regulation of mitophagy via endoplasmic reticulum membrane-bound factors
Koji Okamoto [20'+10']
Presenter affiliation: Osaka University, Suita, Japan. 71

Mitochondrial FUNDC1 regulates selective mitophagy and proteostatic stress response
Yanjun Li, Quan Chen [20'+10']
Presenter affiliation: Nankai University, Tianjin, China. 72

Glycerol phosphate shuttle enzyme GPD2 regulates macrophage inflammatory responses
P. Kent Langston, Tiffany Horng [10'+5']
Presenter affiliation: ShanghaiTech University, Shanghai, China. 73

Calcineurin regulates Parkin-translocation to mitochondria and mitophagy
Elena Ziviani [10'+5']
Presenter affiliation: University of Padova, Padova, Italy. 74

THURSDAY, November 14—9:00 AM

SESSION 9 STRUCTURE AND FUNCTIONS OF ENERGY-CONSERVING COMPLEXES AND CARRIERS

Chairperson: **Orian Shirihai,** University of California, Los Angeles, Los Angeles, California, USA

SESSION 10 SIGNALING AND STRESS RESPONSE

Chairperson: **Luca Scorrano,** University of Padova, Padova, Italy

Actin(g) on mitochondria—Role of the actin-binding proteins cofilin1 and INF-2 for mitochondrial calcium regulation and cellular resilience
Lena Hoffmann, Marcel S. Waclawczyk, Eva-Maria Hanschmann, Marco Rust, Carsten Culmsee [10'+5']
Presenter affiliation: University of Marburg, Marburg, Germany. 91

BacFlash signals acid-resistance gene expression in bacteria
Di Wu, Wenfeng Qi, Zhengyuan Lu, Yongxin Ye, Jinghang Li, Tao Sun, Heping Cheng, Xianhua Wang [20'+10']
Presenter affiliation: Peking-Tsinghua Center for Life Sciences, Institute of Molecular Medicine, Peking University, Beijing, China. 92

THURSDAY, November 14—6:00 PM

COCKTAILS and BANQUET

FRIDAY, November 15—9:00 AM

SESSION 11 MITOCHONDRIA IN CELL DEATH AND CANCER

Chairperson: **Paolo Bernardi,** University of Padova, Padova, Italy

Mitochondrial potassium channels control cell survival
Vanessa Checchetto, Luigi Leanza, Diego De Stefani, Rosario Rizzuto, Fabio Di Lisa, Michael Edwards, Erich Gulbins, Andrea Mattarei, Cristina Paradisi, Ildiko Szabo [20'+10']
Presenter affiliation: University of Padova, Padova, Italy. 93

A human iPSC-derived hepatocyte model reveals ferroptosis in DGUOK mutant mtDNA depletion syndrome
Xingguo Liu [10'+5']
Presenter affiliation: Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, Guangzhou, China. 94

Androgen-induced expression of DRP1 regulates mitochondrial metabolic reprogramming in prostate cancer
Yu Geon Lee, YeJi Nam, Kyeong Jin Shin, Young Chan Chae [10'+5']
Presenter affiliation: Ulsan National University of Science and Technology, Ulsan, South Korea. 95