

Abstracts of papers presented
at the 2025 Cold Spring Harbor Asia Conference

CELL DEATH AND INNATE IMMUNITY

May 12–May 15, 2025

Arranged by

Francis Chan, *Zhejiang University*

Sudan He, *Suzhou Institute of Systems Medicine*

Xuejun Jiang, *Memorial Sloan Kettering Cancer Center*

You-Sun Kim, *Ajou University*

Pascal Meier, *Institute of Cancer Research*



Cold Spring Harbor Conferences Asia
Cold Spring Harbor Laboratory



CELL DEATH AND INNATE IMMUNITY
Monday, May 12– Thursday, May 15, 2025

Monday	7:00 pm	1 Keynote Session
Tuesday	9:00 am	2 Innate Immune Sensing and Cell Death I
Tuesday	2:00 pm	Poster Session
Tuesday	3:00 pm	<i>Chinese Tea and Beer Tasting</i>
Tuesday	7:00 pm	3 Infection and Immunity I
Wednesday	9:00 am	4 Innate Immunity Sensing and Homeostasis
Wednesday	2:00 pm	5 Cell Death and Diseases
Wednesday	7:00 pm	6 Infection and Immunity II
Thursday	9:00 am	7 Innate Immune Sensing and Cell Death II
Thursday	2:00 pm	8 Cell Death and Immunity: From Basic Mechanisms to Translation
Thursday	6:00 pm	<i>Cocktails and Banquet</i>
Friday	9:30 am	<i>Old Suzhou Tour (optional)</i>

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 12:00pm - 1:30pm

Dinner: Main Cafeteria 6:00pm - 7:30pm

Banquet: Suz Garden 6:00pm

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

PROGRAM

MONDAY, May 12—7:00 PM

SESSION 1 KEYNOTE SESSION

Chairpersons: **Francis Chan**, Zhejiang University, Hangzhou, China
Sudan He, Suzhou Institute of Systems Medicine,
Suzhou, China

RIPK1, immunity and human diseases

Junying Yuan [35'+10']

Presenter affiliation: Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai, China.

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Exposure of phosphatidylserine in cell death

Shigekazu Nagata [35'+10']

Presenter affiliation: The University of Osaka, Osaka, Japan.

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TUESDAY, May 13—9:00 AM

SESSION 2 INNATE IMMUNE SENSING AND CELL DEATH I

Chairpersons: **Xuejun Jiang**, Memorial Sloan-Kettering Cancer Center,
New York, New York
Liming Sun, Institute of Biochemistry and Cell Biology
(SIBCB), CAS, Shanghai, China

Identifying new mechanisms in pattern recognition receptor signalling

Clare Bryant [20'+10']

Presenter affiliation: The University of Cambridge, Cambridge, United Kingdom.

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Inflammasome and gasdermin signalling in neutrophils

See Jie Yow, Hai Shin Pung, Kay En Low, Isabelle Bonne, Melissa Ng,
Immanuel Kwok, Kaiwen Chen [10'+5']

Presenter affiliation: National University of Singapore, Singapore.

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Regulation of innate immunity

Jonathan C. Kagan [20'+10']

Presenter affiliation: Harvard Medical School, Boston, Massachusetts. 5

Die hard—Pyroptotic cell explosion selectively escalates immune responses

Kate Schroder [20'+10']

Presenter affiliation: University of Queensland, Brisbane, Australia. 6

Break

Sensing S-adenosylmethionine scarcity by RIPK1 drives cell death and inflammation

Daichao Xu [20'+10']

Presenter affiliation: Interdisciplinary Research Center on Biology and Chemistry, Shanghai, China. 7

Mechanisms of NLRP3 activation and inhibition elucidated by functional analysis of disease-associated variants

Shouya Feng, Matthew C. Wierzbowski, Matthias Geyer, Guilaine Boursier, Seth L. Masters [10'+5']

Presenter affiliation: Hudson Institute of Medical Research, Melbourne, Australia; Monash University, Melbourne, Australia; The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia; University of Melbourne, Melbourne, Australia. 8

Deciphering MLKL activation—New regulatory mechanisms and biological functions

You-Sun Kim [20'+10']

Presenter affiliation: Graduate School of Ajou University, Suwon, South Korea. 9

TUESDAY, May 13—2:00 PM

POSTER SESSION

Human peripheral blood mononuclear cells from different donors mounts differential immune responses to TLR4 stimulation

Kaitlin Chan, Jamie Price, Hannah Wolf, Pratyusha Mandal

Presenter affiliation: Lehman College, NYC, New York. 10

- An investigation of type I interferon signalling during *Shigella flexneri* infection**
Anita Chaulagain, Yogeswari Chandran, Jaclyn Pearson, Cristina Giogha, Elizabeth Hartland
 Presenter affiliation: Hudson Institute of Medical Research, Clayton, Australia; Monash University, Clayton, Australia. 11
- RIPK1 senses S-adenosylmethionine scarcity to drive cell death and inflammation**
Ze Zhao Chen, Daichao Xu
 Presenter affiliation: Interdisciplinary Research Center on Biology and Chemistry, Shanghai, China; University of Chinese Academy of Sciences, Beijing, China. 12
- Non ZAKα-dependent NLRP1 inflammasome activation revealed by blister beetle dermatitis and dsRNA-triggered pyroptosis**
Rae Chua, Shirley Ding, Muhammad J. Firdaus, Gee A. Toh, Pritisha Rozario, Franklin L. Zhong
 Presenter affiliation: Nanyang Technological University, Singapore. 13
- Targeting RIPK1 ameliorates autoimmune lymphoproliferative syndrome**
 Jingjing Li, Yayun Du, Xiaoliang Yu, Jiaying Qiu, Junjie Fan#, Sudan He#
 Presenter affiliation: Suzhou Institute of Systems Medicine, Suzhou, China. 14
- Liposomal delivery of alarmin-targeting peptides for enhanced therapeutic efficacy in sepsis treatment**
Woo Jin Gil, Chul Su Yang
 Presenter affiliation: Hanyang University, Andan-si, South Korea. 15
- Inhibition of host protein translation by enteric bacterial pathogens**
Cristina Giogha, Anita Chaulagain, Eva Chan, Garrett Ng, Kathleen McCaffrey, Elizabeth L. Hartland
 Presenter affiliation: Hudson Institute of Medical Research, Clayton, Australia; Monash University, Clayton, Australia. 16
- Reduction of DHHC5-mediated Beclin 1 S-palmitoylation underlies autophagy decline in aging**
Rui Guo, Jianping Liu, Xia Min, Wen Zeng, Bing Shan, Mengmeng Zhang, Zhuohao He, Yaoyang Zhang, Kaiwen He, Junying Yuan, Daichao Xu
 Presenter affiliation: Interdisciplinary Research Center on Biology and Chemistry, Shanghai, China. 17

Alarmin/receptor-targeting peptides for modulating inflammatory signaling and cytokine responses in macrophages <u>Yuseong Ham</u> , Chul-Su Yang Presenter affiliation: Hanyang University, Ansan, South Korea.	18
S100A8/A9-derived peptide regulates inflammation by blocking interactions of pattern recognition receptors <u>Seungbin Han</u> , Chul-su Yang Presenter affiliation: Hanyang University, Ansan, South Korea.	19
Cell death pathways triggered in chicken macrophages in response to infection by <i>Salmonella enterica</i> serovar Typhimurium <u>Xiner (Stella) He</u> , Joseph P. Boyle, Weidong Jing, Marisa Dilucca, Gavin Sewell, Julieth M. Silva, Clare E. Bryant Presenter affiliation: University of Cambridge, Cambridge, United Kingdom.	20
Phensuximide inhibits RIPK1 kinase activity-dependent necroptosis <u>Sun Mi Hong</u> , Su-Yeon Seon, Jeong-Eun Lee, Da-Hye Jeong, Ju-Mi Park, Gi-Hyeon Kim, Dakeun Lee, Michael J. Morgan, You-Sun Kim Presenter affiliation: Ajou University School of Medicine, Suwon, South Korea.	21
Promoting tissue regeneration by delivering engineered factors derived from regulatory T cells <u>Nan Hu</u> , Bhavana Nayer, Peter D. Currie, Mikael M. Martino Presenter affiliation: Monash University, Melbourne, Australia.	22
Dissecting the role of RIPK3 in necroptosis, apoptosis and inflammatory signaling <u>Fangmin Huang</u> , Francis Ka-Ming Chan Presenter affiliation: Zhejiang University, Hangzhou, China.	23
BCL-XL and MCL-1 determine cell fate after activation of the tumour suppressor TP53/TRP53 <u>Allan Shuai Huang</u> , Elizabeth Lieschke, Pedro Baldoni, Amar Balihodzic, Annabella Thomas, John E La Marca, Aisling Ross, Luuk Heitink, Pardeep Rajasekhar, Lauren Whelan, Catherine Chang, Michael Dengler, Gordon Smyth, Gemma L. Kelly, Andreas Strasser Presenter affiliation: The Walter and Eliza Hall Institute (WEHI), Melbourne, Australia; The University of Melbourne, Melbourne, Australia.	24

Proteomics screen identifies novel regulators of N4BP1 activity in inflammatory diseases <u>Hua Jiang</u> , Francis Ka-Ming Chan Presenter affiliation: Liangzhu Laboratory, Hangzhou, China.	25
The effects of RHIM domains on cell death and inflammation <u>Jianwei Li</u> , Mingjie Liu, Francis Chan Presenter affiliation: Zhejiang University, Hangzhou, China.	26
S161 autophosphorylation regulates RIPK1-mediated cell death and inflammation Lioba Koerner, <u>Xiaoming Li</u> , Lucie Laurien, Eveline Silnov, Manolis Pasparakis Presenter affiliation: University of Cologne, Cologne, Germany.	27
FXR suppresses colitis-associated colorectal cancer development via the interaction between tumor cell ferroptosis and M1 macrophage polarization <u>Mengting Li</u> , <u>Lan Liu</u> Presenter affiliation: Zhongnan Hospital of Wuhan University, Wuhan, China.	28
Deubiquitinase-dependent transcription silencing controls inflammation <u>Zixu Liu</u> Presenter affiliation: Westlake University, Hangzhou, China.	29
MEN1 loss confers resistance to replication stress-inducing drugs <u>Ronnie Ren Jie Low</u> , Simon J. Boulton Presenter affiliation: The Francis Crick Institute, London, United Kingdom.	30
Critical role of classical complement pathway and C3a for B1 B cells' antibody response against atypical <i>Francisella tularensis</i>' LPS Guilherme A. Melo, Carlos Barbosa, Elena Magrini, Cecilia Garlanda, <u>Fabio Re</u> Presenter affiliation: Rosalind Franklin University of Medicine and Science, North Chicago, Illinois.	31

Therapeutic inhibition of the proteasome induces distinct cell-type specific fate in multiple myeloma, endothelial and peripheral blood mononuclear cells

Prajakta Sawant, Aleena Mathew, Hannah Wolf, Kaitlin Chan, Johanna Bensalel, Julio Gallego-Delgado, Pratyusha Mandal

Presenter affiliation: The Graduate Center, The City University of New York, New York City, New York; Lehman College, The City University of New York, Bronx, New York City, New York.

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ELAVL1-associated lipid droplet reprogramming and M2 macrophage polarization suppress colorectal cancer development

Yu Shao, Lan Liu

Presenter affiliation: Zhongnan Hospital of Wuhan University, Wuhan, China.

33

Inhibition of BAX/BAK-dependent apoptosis by a bacterial effector

Yue Shao, Dandan Yang, Yue Xu

Presenter affiliation: Shanghai Jiaotong University School of Medicine, Shanghai, China.

34

Innate immune signaling by ZBP1-RIPK1 axis drives neuroinflammation in Alzheimer's disease

Ziwen Song, Xingxing Xie, Yulu Chen

Presenter affiliation: Shanghai Institute of Organic Chemistry, Shanghai, China.

35

Dysregulation of cardiomyocyte mitochondrial dynamics may underpin MCL-1 inhibitor-induced cardiotoxicity

Xiao-Ming Sun, Andrew Craxton, Nobuhiro Morone, Lucia Pinon, Marion MacFarlane

Presenter affiliation: University of Cambridge, Cambridge, United Kingdom.

36

Novel chemotype NLRP3 inhibitors that target the CRID3-binding pocket with high potency

Lieselotte Vande Walle, Madhukar Said, Oonagh Paerewijck, Arinna Bertoni, Marco Gattorno, Bruno Linclau, Mohamed Lamkanfi

Presenter affiliation: Ghent University, Ghent, Belgium.

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Calpain 15 is a novel RNA-dependent inflammasome regulator

Anqi Wang, Yiqi Huang, Antonio Piras, Florian I. Schmidt, Dirk Wohlleber, Veit Hornung, Andreas Pichlmair

Presenter affiliation: Technical University of Munich, Munich, Germany.

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Mechanism of the CARD8 inflammasome activation in HIV infection

Qiankun Wang

Presenter affiliation: Shenzhen Bay Laboratory, Shenzhen, China.

39

Dual roles of RIPK3 in endotoxic shock—RHIM-mediated pro-inflammatory signaling and kinase-dependent anti-inflammatory resolution

Fang Li, Yangyang Wang, Xiaoming Li, Xiaoxia Wu, Xiaoming Zhao, Jihong Jiang, Jinbao Li, Haibing Zhang

Presenter affiliation: Shanghai Institute of Nutrition and Health, University of Chinese Academy of Sciences, Chinese Academy of Sciences, Shanghai, China.

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Proteasomal inhibition by carfilzomib compromises endothelial cell function

Hannah Wolf, Pratyusha Mandal

Presenter affiliation: The Graduate Center, City University of New York, New York, New York; Lehman College, City University of New York, New York, New York.

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Regnase-1 is an endoribonuclease that regulates the stability of pro-inflammatory mRNAs, bridging innate immunity and cell death pathways

Gabsik Yang, Sung Wook Kim, Ye Eun Baek, Su Bin Park, Jung Min Han

Presenter affiliation: Woosuk University, Jeonju, South Korea.

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***Yersinia* infection induces glucose depletion and AMPK-dependent inhibition of pyroptosis in mice**

Yuanxin Yang, Hongwen Fang

Presenter affiliation: Shanghai Institute of Organic Chemistry, Shanghai, China.

43

ZBP1 directly senses Z-RNA during influenza A virus-induced cell death signaling

Chaoran Yin, Avishekh Gautam, Alexandr Feodorov, Carly Deantoneo, Mark Andrade, Jeremy C. Crawford, Jason W. Upton, Paul G. Thomas, Yan Xu, Jan Rehwinkel, Ting Zhang, Siddharth Balachandran

Presenter affiliation: Fox Chase Cancer Center, Philadelphia, Pennsylvania.

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***Toxoplasma gondii*-derived GRA2 triggers apoptosis in non-small-cell lung cancer**

Chanjin Yoon, Chul-Su Yang

Presenter affiliation: Hanyang University, Ansan, South Korea.

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TUESDAY, May 13—3:00 PM

Chinese Tea and Beer Tasting

TUESDAY, May 13—7:00 PM

SESSION 3 INFECTION AND IMMUNITY I

Chairpersons: **You-Sun Kim**, Ajou University, Suwon, Korea
Kate Schroder, University of Queensland, Brisbane, Australia

NINJ1 and its role in cell death-associated plasma membrane rupture

Petr Broz [20'+10']

Presenter affiliation: University of Lausanne, Epalinges, Switzerland. 46

IL-1 family cytokines cause skin inflammation induced by Caspase-8 dependent keratinocyte death independently of gasdermins

Masahiro Nagata, Laurens Wachsmuth, Eunjin Ju, Yasmin C. Schäfer, Remzi O. Eren, Manolis Pasparakis [10'+5']

Presenter affiliation: University of Cologne, Cologne, Germany. 47

Mechanisms regulating pyroptosis induction by inflammasome sensor NLRP1a

Mohamed Lamkanfi [20'+10']

Presenter affiliation: Faculty of Medicine and Health Sciences, Ghent University, Ghent, Belgium. 48

Gasdermin D, Gasdermin E and Ninjurin-1 are dispensable for innate inflammation during autoantibody-mediated arthritis

Timothy A. Gottschalk, Hazel Tye, Cynthia Louis, James E. Vince, Kim M. O'Sullivan, Kate E. Lawlor [10'+5']

Presenter affiliation: Hudson Institute of Medical Research, Clayton, Australia; Monash University, Clayton, Australia. 49

Bacterial type IV secretion system induces specific and nonspecific protective immunity

Dario S. Zamboni [20'+10']

Presenter affiliation: University of Sao Paulo, Ribeirao Preto-SP, Brazil. 50

SESSION 4 **INNATE IMMUNITY SENSING AND HOMEOSTASIS**

Chairpersons: **Zhe Wang**, Nature Cell Biology, Shanghai, China
 Petr Broz, University of Lausanne, Epalinges, Switzerland

Non-canonical ubiquitination—Regulating cell death, inflammation and immunity in health and disease

Henning Walczak [20'+10']

Presenter affiliation: University of Cologne, Cologne, Germany;
University College London, London, United Kingdom.

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Regulation of TNF cytotoxicity by unconventional forms of autophagy

Mathieu J. Bertrand [20'+10']

Presenter affiliation: VIB, Ghent, Belgium; Ghent University, Ghent, Belgium.

52

FTO and lncRNA FATALR1 coordinate FADD-RIPK1 complex formation

Ying Chen, Vinh Thang Huynh, Amhed Vargas Velazquez, Vinay Tergaonkar [10'+5']

Presenter affiliation: Institute of Molecular and Cell Biology (IMCB), Agency for Science, Technology and Research (ASTAR), Singapore.

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Regulation of apoptosis and necroptosis by caspase-8 and cFLIP

Neil Stair, Johanna Seiler, Laurens Wachsmuth, Juliane Lohmann, Jonathan Mannion, Andrew Craxton, Pascal Meier, Marion MacFarlane, Manolis Pasparakis [10'+5']

Presenter affiliation: University of Cologne, Cologne, Germany.

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Break

RIPK1 prevents ZBP1 and STING-mediated skin inflammation

Simon Verdonck, Evelien Dierick, Jonathan Maelfait [20'+10']

Presenter affiliation: VIB, Ghent, Belgium; Ghent University, Ghent, Belgium.

55

The role of the cGAS/STING pathway in determining cell fate during mitotic arrest

Xiao-Yun Wang, Enaam Alghamdi, Ryan Galea, Alexis Melo, Mathew Jones, Paul R. Clarke [10'+5']

Presenter affiliation: Frazer Institute, Brisbane, Australia.

56

S161 autophosphorylation is required for TNF-induced cecal damage and mouse death

Tao Han, Chenchen Ruan, Huiyong Lin, Yuxia Zhang, Jiahuai Han, Yingying Zhang [10'+5']

Presenter affiliation: Xiamen University, Xiamen, China.

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TNF-induced cell death in epithelial surfaces

Francis Ka-Ming Chan [20'+10']

Presenter affiliation: Liangzhu Laboratory, The Second Affiliated Hospital of Zhejiang University, Hangzhou, China.

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WEDNESDAY, May 14—2:00 PM

SESSION 5 CELL DEATH AND DISEASES

Chairpersons: Francis Chan, Zhejiang University, Hangzhou, China
Mathieu Bertrand, Ghent University, Ghent, Belgium

Ferroptosis, mechanisms and role in cancer

Xuejun Jiang [20'+10']

Presenter affiliation: Memorial Sloan Kettering Cancer Center, New York, New York.

59

Exploring the intricate connections between metabolic reprogramming and stress response in cancer

Almut Schulze [20'+10']

Presenter affiliation: German Cancer Research Center (DKFZ), Heidelberg, Germany.

60

Extra centrosomes trigger rapid BCL2-regulated apoptosis in multiple cell types

Andreas Villunger, Dario Rizzotto, Paul Petermann, Vinzent Braun [10'+5']

Presenter affiliation: Medical University of Innsbruck, Innsbruck, Austria; CeMM, Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria.

61

Efferocytosis defects promote inflammation and autoantibody production in Sjögren's disease

Adrian Lee, Bo Shi, Sriram Gummadi, Ming W. Lin, Pamali Fonseka, Ivan Poon, Thanh Kha Phan, Joanne H. Reed [10'+5']

Presenter affiliation: La Trobe Institute for Molecular Sciences, La Trobe University,, Melbourne, Australia.

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Metabolic regulation of necroptosis in vivo---Dual roles in pathology and exercise adaptation

Liming Sun [20'+10']

Presenter affiliation: Chinese Academy of Science, Shanghai, China. 63

WEDNESDAY, May 14—7:00 PM

SESSION 6 INFECTION AND IMMUNITY II

Chairpersons: **Lei Cheng**, Cell Research, Shanghai, China
Elizabeth Hartland, Hudson Institute of Medical Research, Melbourne, Australia

Interplay between cell death and coronavirus pathogenesis

Hin Chu [20'+10']

Presenter affiliation: The University of Hong Kong, Hong Kong, China. 64

Endoplasmic reticulum stress reprograms macrophage immunometabolism to restrict bacterial infection

Elizabeth L. Hartland [20'+10']

Presenter affiliation: Hudson Institute of Medical Research, Clayton, Australia; Monash University, Clayton, Australia. 65

Activation of caspase-8 by receptor interacting protein kinase3 dictates herpesvirus-mediated chronic lung disease

Pratyusha Mandal, Anita L. McCormick, Aarthi Sundararajan, Prajakta Sawant, Johanna Bensalel, Liliana Hernandez, Julio Gallego-Delgado, Samuel H. Speck, Edward S. Mocarski [10'+5']

Presenter affiliation: Lehman College, New York, New York; CUNY, New York, New York. 66

Nutrient sensing licenses NLRP3 inflammasome assembly and IL-1 cytokine release

Sunny Shin [20'+10']

Presenter affiliation: University of Pennsylvania, Philadelphia, Pennsylvania. 67

SESSION 7 **INNATE IMMUNE SENSING AND CELL DEATH II**

Chairpersons: **Pascal Meier**, Institute of Cancer Research, London, United Kingdom
Andreas Strasser, Walter & Eliza Hall Institute of Medical Research, Parkville, Australia

The lethal pathways of *E. coli* sepsis in mice

Ye-hsuan Sun, Lang Li, Yingying Zhang, Jiahuai Han [20'+10']

Presenter affiliation: Xiamen University, Xiamen, China.

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ZBP1-initiated cell death during virus infections

Siddharth Balachandran [20'+10']

Presenter affiliation: Fox Chase Cancer Center, Philadelphia, Pennsylvania.

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Evolutionary divergence of caspase-regulated gasdermin-executed pyroptosis in metazoan

Shuai Jiang, Zihao Yuan [10'+5']

Presenter affiliation: Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China.

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Genome-wide CRISPR screening identifies LSM12 as a key regulator of dsRNA-induced innate immune responses

Stephanie Tan, Tria Asri Widowati, Jayoung Ku, Sujin Kim, Yoosik Kim [10'+5']

Presenter affiliation: Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea.

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Break

Molecular architecture of caspase-8 'signalling' platforms—From assembly to co-ordinated control of life/death decisions

Marion MacFarlane [20'+10']

Presenter affiliation: University of Cambridge MRC Toxicology Unit, Cambridge, United Kingdom.

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RNA as a trigger of NLRP1 inflammasome activation

Veit Hornung [20'+10']

Presenter affiliation: Ludwig-Maximilians-Universität Munich, Munich, Germany.

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NINJ1 regulates plasma membrane fragility under mechanical tension

Yunfeng Zhu, Fang Xiao, Yiling Wang, Yufang Wang, Jialin Li, Dongmei Zhong, Zhirong Wang, Joshua Barbara, Christopher Plunkett, Mengxue Zeng, Changjie Cai, Xiangdong Guan, Scott Hammack, Liang Zhang, Zheng Shi, Fuli Xiang, Feng Shao, Jie Xu [10'+5']

Presenter affiliation: First Affiliated Hospital Sun Yat-sen University, Guangzhou, China. 74

Novel mechanisms of NLRP1 inflammasome activation—Lessons from viruses, insects and algae

Franklin Zhong [10'+5']

Presenter affiliation: NTU, Singapore. 75

Kinase-dependent and -independent functions of RIPK3 in modulating inflammation and immunity

Sudan He [20'+10']

Presenter affiliation: Suzhou Institute of Systems Medicine, Suzhou, China. 76

THURSDAY, May 15—2:00 PM

SESSION 8 CELL DEATH AND IMMUNITY: FROM BASIC MECHANISMS TO TRANSLATION

Chairpersons: **Sudan He**, Suzhou Institute of Systems Medicine, Suzhou, China
Siddharth Balachandran, Fox Chase Cancer Center, Philadelphia, Pennsylvania, USA

The power of death—Harnessing cell death to drive anti-tumour immune responses in patients

Pascal Meier [20'+10']

Presenter affiliation: The Institute of Cancer Research, London, United Kingdom. 77

Gasdermin-mediated pyroptosis—From antibacterial to antitumor immunity

Feng Shao [20'+10']

Presenter affiliation: National Institute of Biological Sciences, Beijing, China. 78

Novel mechanisms that coordinate cell death to activate anti-tumor immunity

Steven X. Hou, Yuetong Wang [10'+5']

Presenter affiliation: Fudan University, Shanghai, China.

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Enhancing BH3 mimetic drug induced killing of malignant cells for cancer therapy

Sarah T. Diepstraten, John E. La Marca, Yin Yuan, Andrew H. Wei, Andreas Strasser, Gemma L. Kelly, Fiona C. Brown, Andrew W. Roberts [20'+10']

Presenter affiliation: The Walter and Eliza Hall Institute, Melbourne, Australia.

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Stress granule formation drives ZBP1-dependent necroptosis in non-obstructive azoospermia and aging testes

Hongen Lei, Dianrong Li, Jie Chen, Baowen Du , Kaiju Jiang, Tao Xu, Hu Han, Weiliang Fan, Long Tian, Xiaodong Wang [20'+10']

Presenter affiliation: National Institute of Biological Sciences, Beijing, China.

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THURSDAY, May 15—6:00 PM

COCKTAILS and BANQUET

FRIDAY, May 16—9:30 AM

**Visit to Old Suzhou
(optional)**