Cancer Therapeutic Agents Workshop

Chairpersons: Yun Yen (Taipei Medical University, Taiwan) Xiao-Fan Wang (Duke University School of Medicine, USA) 15:00-15:24 WS-1-1 (TBA) Li-Kuo Su (Editor, Cancer Cell, USA)

- 15:24-15:48 WS-1-2 Genomic Guided Approaches in Treating Cancer Robert Diasio (Director, Mayo Clinic Cancer Center, USA)
- 15:48-16:12 WS-1-3 Signal Crosstalk in Resistance to Target Therapy Mien-Chie Hung (Vice President for Basic Research, The University of Texas MD Anderson Cancer Center, USA)
- 16:12-16:36 WS-1-4 c-Myc Alterations Confer Therapeutic Response and Acquired Resistance to c-Met Inhibitors in MET-addicted Cancers Meiyu Geng (Vice Director, Shanghai Institute of Meteria Medica, China)
- 16:36-17:00 WS-1-5 Nano Particle and Cancer Medicine Yun Yen (President, Taipei Medical University, Taiwan)

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Chinese Biopharmaceutical Association (CBA)

Chairpersons: Richard Zhao (University of Maryland, USA) / TC Wu (John Hopkins University, USA)

Discovery of Small Molecule Chemical Probes against HIV 15:00-15:24 WS-2-1 Richard Zhao (University of Maryland, USA) Immunotherapy for Autoimmune Diseases 15:24-15:48 WS-2-2 Wanjun Chen (National Institutes of Health, USA) Differential Regulation of Intestinal Macrophage Function by 15:48-16:12 WS-2-3 Interleukin-10 and the Gut Microbiota in the Colon versus the Small-Bowel Xuhang Li (Johns Hopkins University School of Medicine, USA) Non-Muscle Myosin II in Polarized Epithelial Cells is a 16:12-16:36 WS-2-4 Regulatory Target for Neisseria Gonorrhoeae to Modulate Infection Wenxia Song (University of Maryland, USA) The Constitutive Androstane Receptor as a Regulator of Drug 16:36-17:00 WS-2-5 Metabolism and Therapeutic Target

Hongbing Wang (University of Maryland, USA)



Opening Ceremony

09:00-09:40 Welcome Ceremony & Opening Remarks Dihua Yu (President, SCBA) Chien-Jen Chen (Vice President, Academia Sinica) Been-Huang Chiang (Minister, Ministry of Health and Welfare) Chung-Liang Chien (Deputy Minister, Ministry of Science and Technology)

Keynote Lecture 1

Chairperson: Mien-Chie Hung (The University of Texas MD Anderson Cancer Center, USA)

09: 40-10: 20 KL-1 From the Structure and Function of the Ribosome to New Antibiotics Thomas Steitz (Yale University, USA)

Scientific Breakthrough Lectureship

Chairperson: Chien-Jen Chen (Academia Sinica, Taiwan)

DL-1	Chemistry and Biology of Glycosylation: A Search for Universal
	Vaccines against Cancer and Influenza
	Chi-Huey Wong (Academia Sinica, Taiwan)
	DL-1

10:55-11:15 Coffee Break

Plenary Lecture 1

Chairpersons: Wen-Hwa Lee (China Medical University, Taiwan) Gen-Sheng Feng (University of California, San Diego, USA)

11:15-11:40	PL1-1	Cryo-Electron Microscopy and Tomography: A Structural Tool for Molecular, Cellular and Translational Biology Wah Chiu (Baylor College of Medicine, USA)
11:40-12:05	PL1-2	Redox Rhythm Reinforces the Circadian Clock to Gate Immune Response Xinnian Dong (Duke University, USA)

Lunch / Poster Session I

12:05-14:00 Poster session I – Odd Number (12:15-13:45) 4F Corridor, HSSB

1A: The Roles of miRNAs and Non-Coding RNAs in Diseases

Chairperson: Burton B. Yang

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14:00-14:15	1A-1	Reciprocal Regulation of miRNAs and piRNAs in Embryonic Development Burton B. Yang
14:15-14:30	1A-2	MicroRNA-135a Induced Formation of CD133+Cell Sub-Population with Cancer-Initiating Cell Properties in Cervical Cancer Ronald T.K. Pang
14:30-14:45	1A-3	Expression of microRNA-195 Is Transactivated by Sp1 but Inhibited by HDAC3 in Hepatocellular Carcinoma Cells Shi-Mei Zhuang
14:45-15:00	1A-4	IncRNAs Regulate Replication of Herpes Simplex Virus Type 1 Yaou Zhang
15:00-15:15	1A-5	The Emergence of Long Non-Coding RNAs in Cancer Signaling Pathways Liuqing Yang
15:15-15:35		Coffee Break

2A: Diagnosis and Treatment of Genetic Diseases

Chairpersons: Yuan-Tsong Chen / Fuu-Jen Tsai

15:35-15:50	2A-1	Regulation of IGF1 Expression: Complex Interaction among SNPs, Microsatellites and Transcriptional Factors Nelson Tang
15:50-16:05	2A-2	Gene Therapy for Aromatic L-Amino Acid Decarboxylase (AADC) Deficiency Paul Wuh-Liang Hwu
16:05-16:20	2A-3	The Development of Treatments for FGFR3 Related Diseases Yi-Ching Lee
16:20-16:35	2A-4	Kawasaki Disease – From GWAS to Biomarker for Early Diagnosis Jer-Yuarn Wu
16:35-16:50	2A-5	Identification and Functional Characterization of Familial Short Stature Susceptibility Loci Using a GWAS Scan Ying-Ju Lin
16:50-17:00		Mini Break

1B: Breast Cancer and Steroid Hormone Signaling

Chairpersons: Chuxia Deng / Jianming Xu

14:00-14:15	1B-1	Interplay between Brca1 and Estrogen Signaling during Tumorigenesis Chuxia Deng
14:15-14:30	1B-2	SRC-1, a Key Nuclear Receptor Transcriptional Coregulator Driving Breast Cancer Metastasis Jianming Xu
14:30-14:45	1B-3	Understanding the Role of Cancer-Derived Extracellular miRNA in Breast Cancer Metastasis Shizhen Emily Wang
14:45-15:00	1B-4	A Novel Link between BRCA1 and Pubertal Transcription Rong Li
15:00-15:15	1B-5	Global Analysis of Estrogen Signaling in Breast Cancer Cells Edwin Cheung
15:15-15:35		Coffee Break

2B: Nuclear Receptor and Prostate Cancer

Chairpersons: Ming-Jer Tsai / Chawnshang Chang

15:35-15:50	2B-1	Coregulator NCoA2 in Metastatic and Castration Resistant Prostate Cancer Jun Qin
15:50-16:05	2B-2	A Reciprocal Regulation of microRNA and COUP-TFII Promotes Prostate Cancer Malignancy Shih-Chieh (Jay) Lin
16:05-16:20	2B-3	Approaches to Preventing Prostate Cancer Bone Metastasis Sue-Hwa Lin
16:20-16:35	2B-4	Targeting Androgen Receptor (AR) is Better than Targeting Androgens to Suppress Castration Resistant Prostate Cancer Chawnshang Chang
16:35-16:50	2B-5	Androgen Receptor beyond Prostate Cancer: A New Player in Bone and Cartilage Hong-Yo Kang
16:50-17:00		Mini Break

1C: Tumor Microenvironment in Cancer Progression and Metastasis

Chairpersons: Lu-Hai Wang / Hui-Wen Lo

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14:00-14:15	1C-1	Targeting the Phenotypic Adaptation of Cancer Cells to Tumor Microenvironment. Challenges and Opportunities Ching-Shih Chen
14:15-14:30	1C-2	Rab37-Mediated Exocytosis in Metastasis Suppression Yi-Ching Wang
14:30-14:45	1C-3	Genetic, Hormones and Microenvironment in Breast Carcinogenesis Eva Lee
14:45-15:00	1C-4	The Role of Dormancy in Promoting Breast Cancer Malignancy Shiaw-Yih Lin
15:00-15:15	1C-5	Myeloid Cells in Inflammation and in Tumor Progression Li-Rong Huang
15:15-15:35		Coffee Break

2C: Anticancer Drug Discovery: From Targeted Therapy to Cancer Metabolism

Chairpersons: Hsing-Pang Hsieh / Shao-Chun Wang

15:35-15:50	2C-1	Lead to Drug Candidate: DBPR114 as a Novel Multi-Targeted Kinase Inhibitor Hsing-Pang Hsieh
15:50-16:05	2C-2	Targeting Hepatocellular Carcinoma in Mitosis through Shugoshin Inhibition Lily Hui-Ching Wang
16:05-16:20	2C-3	Modulation of Aurora-A Expression by siRNA Liang-Yi Hung
16:20-16:35	2C-4	Targeting Tumor Metabolism by Novel EGFR Inhibitor in Head and Neck Cancer Ching-Chuan Kuo
16:35-16:50	2C-5	Compounds with More Selective Inhibitory Effect on Histone Deacetylase 6 Activity Jing-Ping Liou
16:50-17:00		Mini Break

1D: Neural Development and Circuit

Friday

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Chairpersons: Tzu-Yang Lin / Chih-Chiang Chan

14:00-14:12	1D-1	Regulation of NMDA Receptor Trafficking by Synaptic Scaffolding Protein SAP102 Bo-Shiun Chen
14:12-14:24	1D-2	The Role of Transcription Factor Lhx2 in Barrel Cortex Development Shen-Ju Chou
14:24-14:36	1D-3	The Drosophila IR20a Clade of Ionotropic Receptors are Candidate Taste and Pheromone Receptors Tong-Wey Koh
14:36-14:48	1D-4	Spindle-F Is the Central Mediator of Ik2 Kinase-Dependent Dendrite Pruning in Drosophila Sensory Neurons Hsiu-Hsiang Lee
14:48-15:00	1D-5	A New Member of BCL-2 Family in Developmental Neuronal Apoptosis Pei-Hsin Huang
15:00-15:12	1D-6	Mapping of Second Order Chromatic Visual Circuits in Drosophila Tzu-Yang Lin
15:15-15:35		Coffee Break

Friday

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2D: Formation of Axons, Dendrites, Synpases and Circuits

Chairpersons: Cheng-Ting Chien / Hwai-Jong Cheng

15:35-15:47	2D-1	Integration of Small- and Large-Scale Axon Pruning in the Brain Hwai-Jong Cheng
15:47-15:59	2D-2	Developmental Origin of Diverse Neuron Morphologies Tzumin Lee
15:59-16:11	2D-3	Visual Cue-Specific Dopaminergic Control of Visuomotor Transformation and Behavior Selection Jiulin Du
16:11-16:23	2D-4	Development and Maintenance of Axon/Dendrite Identity Pei-Lin Cheng
16:23-16:35	2D-5	Glutamate Clearance by Astrocyte-Like Glia Ensures Proper Synaptic Growth by Limiting ROS/JNK/Autophagy and BMP Signals at the Drosophila Neuromuscular Junction Chi-Kuang Yao
16:35-16:47	2D-6	Cyclin-Dependent Kinase Pathways Regulate Synapse Formation in Motor Neurons Chan-Yen Ou
16:50-17:00		Mini Break

1E: Novel Molecular Mechanisms of Prostate Cancer Progression

Chairpersons: Jer-Tsong Hsieh / Wenliang Li

14:00-14:12	1E-1	The Impact of microRNA Biogenesis on Epithelial-to-Mesenchymal Transition in Prostate Cancer Jer-Tsong Hsieh
14:12-14:24	1E-2	Activation of P-TEFb by Enhancer RNAs Associated with Lethal Prostate Cancer Haojie Huang
14:24-14:36	1E-3	Agonist and Antagonist Switch DNA Motifs Recognized by Human Androgen Receptor in Prostate Cancer Qianben Wang
14:36-14:48	1E-4	Novel Regulators of Cancer Metastasis: Epithelial-Mesenchymal Transition and Essential Kinases Wenliang Li
14:48-15:00	1E-5	JMJD2 Inhibitors Block Prostate Tumor Growth by Suppressing the Expression of AR- and BMYB-Regulated Genes Zhi-Ping Liu
15:00-15:12	1E-6	Suppression of POLD1 Induces Tumor Cell Mitotic Catastrophe, Apoptosis, Necroptosis and Senescence Ray (Ruian) Xu
15:15-15:35		Coffee Break

2E: Effective and New Approaches for Cancer Prevention

Chairpersons: Chung S. Yang / Xiangwei Wu

15:35-15:50	2E-1	Hepatitis B Vaccination: Disease and Cancer Prevention – A Taiwanese Experience Mei-Hwei Chang
15:50-16:05	2E-2	Bcl-xL Promotes Metastasis Independent of its Anti-apoptotic Activity Nancy Du
16:05-16:20	2E-3	Modulations of PPAR-ō Expression in Colonic Epithelial Cells Strongly Alter Susceptibility to Colon Cancer Xiangsheng Zuo
16:20-16:35	2E-4	Developing a New Class of Anti-cancer Drugs for Breast Cancer Prevention and Treatment Qiang Shen
16:50-17:00		Mini Break

1F: Epigenetics and Chromatin

Chairpersons: Kou-Juey Wu / Li-Jung Juan

14:00-14:15	1F-1	Establishment and Maintenance of Epigenetic Modifications Bing Zhu
14:15-14:30	1F-2	Chromatin Higher-Order Structures and Epigenetic Regulation Guohong Li
14:30-14:45	1F-3	HAUSP Regulates Hypoxia-Induced Gene Transcription through Deubiquitination of HIF-1 and Induction of Specific Chromatin Modification Kou-Juey Wu
14:45-15:00	1F-4	Exploring the Non-Canonical Roles of EMT during Cancer Metastasis Muh-Hwa Yang
15:00-15:15	1F-5	DNA Methylation Targeting in Development and Cancer Li-Jung Juan
15:15-15:35		Coffee Break

2F: Biology of Aging

Chairpersons: Meng Wang / Weiwei Dang

15:35-15:50	2F-1	A Novel Signaling Role of Lysosomal Metabolism in Regulation of Longevity Meng Wang
15:50-16:05	2F-2	Histone Mutant Lifespan Screen Reveals That the H3K36me3 Promotes Longevity by Suppressing Intragenic Cryptic Transcription Weiwei Dang
16:05-16:20	2F-3	Nuclear Lamin A in Epigenetic Regulation and Aging Zhongjun Zhou
16:20-16:35	2F-4	Inhibition of Telomere Recombination by Inactivation of KEOPS Subunit Cgi121 Promotes Cell Longevity Jin-Qiu Zhou
16:35-16:50	2F-5	Genetic Regulations of Longevity, Stress Response and Proteostasis in C. Elegans Ao-Lin (Allen) Hsu
16:50-17:00		Mini Break

Keynote Lecture 2

Saturday

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Chairperson: Hsing-Jien Kung

08:30-08:35		Administrative Announcement
08: 35-09: 15	KL-2	Targeting Phosphoinositide 3-Kinase for Cancer Therapy Lewis Cantley (Cornell Medical College and New York-Presbyterian Hospital, USA)

Tsai-Fan Yu Legacy Lecture

Chairperson: Hua Yu (City of Hope, USA)

09:15-09:50	DL-2	Taxol®, Tubulin and Tumors
		Susan B. Horwitz (Albert Einstein College of Medicine, USA)

09:50-10:10 Coffee Break

Plenary Lecture 2

Chairpersons: Yun Yen (Taipei Medical University, Taiwan)			
Hui Zheng (Baylor College of Medicine, USA)			
10: 10-10: 35	PL2-1	Precision Therapy for Lung Cancer: Focus on East Asian Population Pan-Chyr Yang (National Taiwan University, Taiwan)	
10:35-11:00	PL2-2	Life at the Single Molecule Level: From Single Molecule Enzymology to Single Cell Genomics Sunney Xie (Harvard University, USA)	



The Journal Editors Session: How to Publish

Chairpersons: Xiang-Dong Fu (University of California, San Diego, USA) / Gen-Sheng Feng (University of California, San Diego, USA)

11:00-12:45	ES	Wen-Chang Chang (Editor-in-Chief, Journal of Biochemical Science)
		Angela Eggleston (Senior Editor, Nature)
		Li-Kuo Su (Editor, Cancer Cell)
		Valda Vinson (Deputy Editor, Research, Science)
		Jie Wang (Senior Scientific Editor, Cell Research)
12:45-13:30		Lunch (Lunch is served from 12:00-13:30) 4F, Recreation Hall, HSSB

Saturday

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3A: Metabolism and Epigenetics in Cancer

Chairpersons: David Ann / Wen-Ching Wang

13:30-13:45	3A-1	Signaling and Targeting of Cancer Metabolism Jing Chen
13:45-14:00	3A-2	Acetylation of MAT IIα Represses Tumor Cell Growth and Is Decreased in Human Hepatocellular Cancer Qun-Ying Lei
14:00-14:15	3A-3	A Novel Long-Coding RNA Connects C-Myc to Tumor Metabolism Hsing-Jien Kung
14:15-14:30	3A-4	Mechanistic Insights into Mutation-Driven Restructuring-Allostery Relationship of Oncogenic PKM2 Wen-Ching Wang
14:30-14:45	3A-5	Non-Metabolic Functions of Metabolic Enzymes Zhimin (James) Lu
14:45-15:00		Coffee Break

4A: New Insights into Tumor Angiogenesis and Metastasis

Chairpersons: Li Ma / Ruowen Ge

Saturday

15:00-15:12	4A-1	Angiogenic Activity of a Cancer Associated Glycolipid, Globo H-Ceramide Felix Hung
15:12-15:24	4A-2	The Secreted Antiangiogenic Protein ISTHMIN and Its Mechanism of Action Ruowen Ge
15:24-15:36	4A-3	TNFSF15 Inhibits Vasculogenesis by Regulating Relative Levels of Membrane-Bound and Soluble Isoforms of VEGF Receptor-1 Luyuan Li
15:36-15:48	4A-4	Targeting the LIFR-Hippo-YAP Pathway as an Anti-Metastatic Strategy Li Ma
15:48-16:00	4A-5	MicroRNA 148a Suppresses Breast Cancer Metastasis Xiao-Fan Wang
16:00-16:12	4A-6	The Osteogenic Niche Promotes Early Stage Bone Colonization of Breast Cancer, and Links Bone Homeostasis to Micrometastasis Progression Xiang Zhang
16:15-16:30		Mini Break

5A: DNA Damage Response: Mechanistic Implications in Cancer Development

Chairpersons: Guang Peng / Bing Xia

Saturday

16:30-16:42	5A-1	Promotion of BRCA2-dependent Homologous Recombination by DSS1 via RPA Targeting and DNA Mimicry Patrick Sung
16:42-16:54	5A-2	The Human SRCAP Chromatin Remodeling Complex Promotes DNA-End Resection Jun Huang
16:54-17:06	5A-3	α -N-Methylation of MRG15 Facilitates H3K36me3-H4K16Ac Crosstalk and ATM Activation through Chromatin Recruitment and Allosteric Regulation of TIP60 Yinsheng Wang
17:06-17:18	5A-4	UHRF1 Contributes to DNA Damage Repair as a Lesion Recognition Factor and Nuclease Scaffold Lei Li
17:18-17:30	5A-5	Tales of Two RECQ Helicases in Genome Maintenance Yilun Liu
17:30-17:42	5A-6	A Two-Step Tumorigenesis Initiated by Defects of Essential DNA Repair Genes Zhiyuan Shen
17:45-18:00		Mini Break

3B: Cancer Stem Cells and Signaling in Cancer Development

Chairpersons: Jinsong Liu / Peng Huang

Saturday

13:30-13:42	3B-1	Giant Cancer Stem Cells and Tumorigenesis Jinsong Liu
13:42-13:54	3B-2	Acinar-to-Ductal Metaplasia: The First Step towards Pancreatic Cancer Pei Wang
13:54-14:06	3B-3	Pdcd4: A Translation Inhibitor Suppresses Tumorigenesis Hsin-Sheng Yang
14:06-14:18	3B-4	Kras ^{G12D} -Activated TAK1/IKK2/β/NF-κB Pathway is Required for the Development of Pancreatic Ductal Adenocarcinoma Paul Chiao
14:18-14:30	3B-5	Cancer Metabolism and Stem Cell Phenotype: Role of Glucose Peng Huang
14:30-14:42	3B-6	Targeting MDM2 Oncogene for Cancer Prevention and Therapy: A 20-Year Learning Curve Ruiwen Zhang
14:45-15:00		Coffee Break

4B: Pin1 in Phosphorylation Signaling and Disease Treatment

Chairpersons: Kun Ping Lu / Pei-Jung Lu

Saturday

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15:00-15:12	4B-1	Pin1 Inhibitors Have Potent Anticancer Activity by Inhibiting Multiple Cancer-Driving Pathways Xiao Zhen Zhou
15:12-15:24	4B-2	Role of Pin1 in Regulation of DNA Damage Response Functions of ATR Yue Zou
15:24-15:36	4B-3	Pin1 Propyl Isomerase in the Cell Cycle and Tumorigenesis Pei-Jung Lu
15:36-15:48	4B-4	Prolyl Isomerase Pin1 in Induced Pluripotent Stem Cells Akihide Ryo
15:48-16:00	4B-5	Pin1 Functions in the Different Model Systems: Focusing on Pin1 at Functions in Plant Development Yih-Cherng Liou
16:00-16:12	4B-6	Antibody against Early Pathogenic Tau Prion for Treating Traumatic Brain Injury and Alzheimer's Disease Kun Ping Lu
16:15-16:30		Mini Break

5B: p53, DNA Repair, Metabolism, and Anticancer Intervention

Chairpersons: Moon-Shong Tang / Jian-Ting Zhang

16:30-16:42	5B-1	Do We Really Know How p53 Suppresses Tumorigenesis? Wei Gu
16:42-16:54	5B-2	Translating the Ribosomal Stress-p53 Pathway into Drug Discovery Hua Lu
16:54-17:06	5B-3	Translational Regulation of Nucleotide Excision Repair in Lung Cancer Chemotherapy Jiye Yin
17:06-17:18	5B-4	Regulation of Metabolism by Tumor Suppressor p53 and Its Mutants in Cancer Zhaohui Feng
17:18-17:30	5B-5	Regulation of DNA Damage Repair in Cancer Treatment by Fatty Acid Synthase Jian-Ting Zhang
17:30-17:42	5B-6	Repositioning Proton Pump Inhibitors as Anticancer Drugs by Targeting the Thioesterase Domain of Human Fatty Acid Synthase Jing-Yuan Liu
17:45-18:00		Mini Break

3C: Regulation of Immune Responses

Chairpersons: Bing Su / Yun-Cai Liu

Saturday

13:30-13:42	3C-1	VHL Controls Regulatory T cell Function by Regulating HIF-1a-Mediated Interferon Gamma Production Yun-Cai Liu
13:42-13:54	3C-2	mTOR and Metabolic Control of T cell Fate Decisions Hongbo Chi
13:54-14:06	3C-3	Homeostasis and Selection of Long-Lived T Regulatory Cells in Aged Mice Yuan Zhuang
14:06-14:18	3C-4	The ER-associated protein ZDHHC1 positively regulates DNA virus-triggered innate immune signaling Yanyi Wang
14:18-14:30	3C-5	Understanding and Therapeutically Modulating the Balance of Human Treg and Th17 under Inflammation Bin Li
14:30-14:42	3C-6	Sin1-mTORC2 signaling in lymphocytes Bing Su
14:45-15:00		Coffee Break

4C: T cell Differentiation and Diseases

Chairpersons: Wanjun Chen / Nan-Ping Weng

Saturday

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15:00-15:15	4C-1	Regulatory T cell Differentiation Wanjun Chen
15:15-15:30	4C-2	Mechanisms of CD8 T Cell Differentiation and Aging Nan-ping Weng
15:30-15:45	4C-3	Therapeutics Targeting T cell Activation for Autoimmune Arthritis Jenn-Haung Lai
15:45-16:00	4C-4	Development of Tolerogenic Vaccines against Inflammatory Diseases Bin Wang
16:15-16:30		Mini Break

5C: Ubiquitin Signaling in Inflammation and Cancer

Chairpersons: Shao-Cong Sun / Hui-Kuan Lin

16:30-16:45	5C-1	Ubiquitination in the Regulation of T-cell Activation and Anti-tumor Immunity Shao-Cong Sun
16:45-17:00	5C-2	Targeting Ubiquitination Pathways for Cancer Therapy Hui-Kuan Lin
17:00-17:15	5C-3	p97 is a Master Regulator of the NF-кВ Signaling Pathway Jianping Jin
17:15-17:30	5C-4	Cul3-KLHL20 Ubiquitin Ligase Controls Autophagy Termination Ruey-Hwa Chen
17:30-17:45	5C-5	Cdh1 Regulates Tumorigenesis and Craniofacial Development via the WWP2/Goosecoid Signaling Axis Wenyi Wei
17:45-18:00		Mini Break

3D: Cell Signaling and Alzheimer's Disease

Chairpersons: Yueming Li / Hui Zheng

13:30-13:45	3D-1	Mechanisms of γ-Secretase Yueming Li
13:45-14:00	3D-2	Centrioles, Cilia, and Signalling Bryan Tsou
14:00-14:15	3D-3	Sensing Signaling Input by Autophagy Machinery Xuejun Jiang
14:15-14:30	3D-4	Levels of NMNAT2 Link to Cognition and Pathology in Proteinopathies Hui-Chen Lu
14:30-14:45	3D-5	Clearance of Toxic Tau Proteins and Rescue of Neurotoxicity by TFEB Hui Zheng
14:45-15:00		Coffee Break

4D: Novel Anticancer Target Identification and Drug Discovery

Chairpersons: Xiaodong Cheng / Jie Wu

15:00-15:12	4D-1	G-Protein Coupled Receptors and Targeted Anti-Cancer Drug Discovery Mingyao Liu
15:12-15:24	4D-2	Development of Novel Anticancer Agents and Identification of Predictive Biomarkers for Precision Medicine against Cancer Bingliang Fang
15:24-15:36	4D-3	Methionine S-Adenosyltransferase 2A (MAT2A) Inhibitors for Cancer Treatment Chunming Liu
15:36-15:48	4D-4	Discovery and Development ofNovel Mc1-1 Inhibitors for Cancer Treatment Hong-Gang Wang
15:48-16:00	4D-5	Targeting the Endoplasmic Reticulum Stress Response in Cancer Chih-Chi Andrew Hu
16:00-16:12	4D-6	Novel Technologies to Target STAT3: Transition into the Clinic Hua Yu
16:15-16:30		Mini Break

5D: Cancer Microenvironment and Immunotherapy

Chairpersons: Rongfu Wang / Weiping Zou

16:30-16:45	5D-1	Innate Immune Signaling and Cancer Immunotherapy Rongfu Wang
16:45-17:00	5D-2	Epigenetic Regulation and Immune Responses in the Tumor Microenvironment Weiping Zou
17:00-17:15	5D-3	The Function and Modifications of Regulatory Nod like Proteins in Innate Immune Signaling Jun Cui
17:15-17:30	5D-4	CMTM4 Promotes Tumor Growth by Regulation of Inflammatory Responses in the Tumor Microenvironment Shu-Hsia Chen
17:30-17:45	5D-5	HCC microenvironment Limin Zheng
17:45-18:00		Mini Break

3E: Microbiome and Inflammation

Chairpersons: Shiu-Ming Kuo / Yijun Sun

13:30-13:45	3E-1	Algorism and Application Yijun Sun
13:45-14:00	3E-2	Airway Microbiome in Chronic Obstructive Pulmonary Disease Sanjay Sethi
14:00-14:15	3E-3	Gut Microbiota Patterns in Infancy Potentially Predict the Development of Allergic Diseases Yen-Hsuan Ni
14:15-14:30	3E-4	Intestinal Microbiome Dysbiosis and Epithelial Barrier Dysfunction Linda Chia-Hui Yu
14:30-14:45	3E-5	Diet on Intestinal Microbiome and Inflammation Shiu-Ming Kuo
14:45-15:00		Coffee Break

4E: Trichoderma and Their Applications in Biomass Degradation and Biocontrol

Chairpersons: Ting-Fang Wang / Zhi-Hua Zhou

15:00-15:15	4E-1	Trichoderma Reesei Meiosis Generates Segmentally Aneuploid Progeny with Higher Xylanase-Producing Capability Ting-Fang Wang
15:15-15:30	4E-2	The Strain Improvement of Trichoderma reesei Based on a CRISPR/Cas9 System Zhi-Hua Zhou
15:30-15:45	4E-3	The Hemicellulose System of Trichoderma reesei with Emphasis on Carbohydrate Esterases Xin-Liang Li
15:45-16:00	4E-4	Regulation of Cellulase Gene Expression in Trichoderma Reesei WeiFeng Liu
16:00-16:15	4E-5	Anthraquinones being Trichoderma Biocontrol Molecules Kou-Cheng Peng
16:15-16:30		Mini Break

5E: Proteins and Peptides in Drug Delivery

Chairpersons: Wei-Chiang Shen / Jeffrey Wang

16:30-16:45	5E-1	Recombinant Proinsulin-Transferrin Fusion Protein for Liver-Targeted Insulin Therapy Wei-Chiang Shen
16:45-17:00	5E-2	Lipid Conjugates for Peptide Drug Delivery Jeffrey Wang
17:00-17:15	5E-3	Heparin-Binding Hemagglutinin Adhesion Peptide for Protein Drug Delivery Li-Jiuan Shen
17:15-17:30	5E-4	Strategic Approaches for Designing Drug Delivery Systems for Polypeptide and Protein Jiasheng Tu
17:30-17:45	5E-5	Design of Drug Delivery System using Peptides Xiaoling Li
17:45-18:00		Mini Break

Saturday June

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O Lecture Hall Activity Center

3F: Hedgehog Signaling in Development and Disease

Chairpersons: Steven Y Cheng / Chi-Chung Hui

13:30-13:45	3F-1	Activation of Hedgehog Signaling by Loss of GNAS Causes Heterotopic Ossification Yingzi Yang
13:45-14:00	3F-2	Role of Indian Hedgehog in Development and Pathogenesis of Digit Joint Formation Danny Chan
14:00-14:15	3F-3	Decoding the Phosphorylation Code in Hedgehog Signal Transduction Jin Jiang
14:15-14:30	3F-4	Mechanism of Mammalian Hedgehog Signaling Downstream of the Primary Cilium Pao-Tien Chuang
14:30-14:45	3F-5	Smurfs and Endocytosis in Sonic Hedgehog Signal Reception Steven Y. Cheng
14:45-15:00		Coffee Break

4F: Immunology and Inflammation

Chairpersons: Tse-Hua Tan / Fu-Tong Liu

15:00-15:15	4F-1	Galectins and Innate Immunity Fu-Tong Liu
15:15-15:30	4F-2	Inability to Resolve Specific Infection and Persistent Inflammation in Xiap-/- Mice Ming-Zong Lai
15:30-15:45	4F-3	HGK/MAP4K4 Deficiency Induces TRAF2 Stabilization and Th17 Differentiation ILeading to Insulin Resistance Huai-Chia Chuang
15:45-16:00	4F-4	STAT1 Regulates Marginal Zone B Cells Differentiation during Blood-Borne Bacterial Infection Chien-Kuo Lee
16:00-16:15	4F-5	Emerging Roles of TAPE Innate Immune Regulator in Toll-Like Receptors, RIG-I-Like Receptors, and Beyond Pin Ling
16:15-16:30		Mini Break

Saturday June 27

5F: Genome Maintenance

Chairpersons: Junjie Chen / Zhenkun Lou

16:30-16:45	5F-1	Phosphorylation of Ku Plays a Role in DNA Double-Strand Break Repair Pathway Choice David Chen
16:45-17:00	5F-2	DNA Damage Response and BRCA1 Signaling Bin Wang
17:00-17:15	5F-3	Telomere Signaling Networks in Aging and Cancer Zhou Songyang
17:15-17:30	5F-4	Nature's Imitation Game: Decipher the Combinatorial CTD Code for Eukaryotic Transcription Yan Jesse Zhang
17:30-17:45	5F-5	Centromeric Noncoding Transcription during Mitosis Coordinates Chromosome Segregation Hongtao Yu
17:45-18:00		Mini Break



Career Development in Academy

Chairpersons: Mien-Chie Hung (The University of Texas MD Anderson Cancer Center, USA) / Yang Shi (Harvard Medical School, USA)

18:00-19:30 WS-3 Panelists: Junjie Chen (The University of Texas MD Anderson Cancer Center, USA) Louise Chow (University of Alabama at Birmingham, USA) Chuxia Deng (University of Macau, China) Xin-Hua Feng (Zhejiang University, China) Eva Lee (University of California, Irvine, USA) Zhou Songyang (Sun Yat-Sen University, China) Xifeng Wu (The University of Texas MD Anderson Cancer Center, USA)





Funding, Training and Knowledge-Based Resources

Chairpersons: Chris Lau (University of California, San Francisco, USA) / TC Wu (John Hopkins University, USA)

18:00–19:30 WS-4 Funding Opportunities at NIH Roy Wu (National Institute of Health/ National Cancer Institute, USA)

SCBA Award lectures

Chairpersons: Xiao-Fan Wang (Duke University School of Medicine, USA) Chuxia Deng (University of Macau, China)

08:30-08:35 Administrative Announcement

Presidential Award Lecture

Introduction: Dihua Yu, SCBA President (The University of Texas MD Anderson Cancer Center, USA)

08: 35-09: 10 AL-1 V(D)J Recombination and RAG1-RAG2 Protein Wei Yang (National Institutes of Health, USA)

Lifetime Achievement Award Lecture

09:10-09:20 AL-2 Horace Loh (University of Minnesota, USA)

Young Investigator Award Lecture

 09:20-09:40
 AL-3-1
 Neural Stem Cells in the Adult Mammalian Brain Hongjun Song (Johns Hopkins University)

 09:40-10:00
 AL-3-2
 Structural and Mechanistic Investigation of the Human Glucose

Transporters GLUTs Nieng Yan (Tsinghua University, China)

10:00-10:20 Coffee Break

KT Jeang Memorial Lecture

Chairperson: TC Wu (John Hopkins University, USA)

10:20-10:50 DL-3 Merkel Cell Polyomavirus: A New View of Cancer Viruses in the Age of Genomics Yuan Chang (University of Pittsburgh Cancer Institute, USA)

Plenary Lecture 3

Sunday

June 28

Chairpersons: Hui Zheng (Baylor College of Medicine, USA)		
C	Chris Lau ((University of California, San Francisco, USA)
10:50-11:15	PL3-1	Chromatin Remodeling, DNA Breaks, and Activity-Induced Gene Expression in Neurons Li-Huei Tsai (University of California, Berkeley, USA)
11:15-11:40	PL3-2	Perspectives on Anti-PD-L1/PD-1 Therapy for Advanced Human Cancers Lieping Chen (Yale University School of Medicine, USA)

Lunch / Poster Session II

11:40-13:30Poster Session II - Even number (11:50-13:20)4F Corridor, HSSB

6A: Regulation of Energy Metabolism in Human Disease

Chairpersons: Boyi Gan / Xiaoyong Yang

Sunday

June 28

13:30-13:45	6A-1	ERRα and ERRγ are Essential Coordinators of Cardiac Metabolism and Function Liming Pei
13:45-14:00	6A-2	A microRNA-Mediated Feed Forward Loop of the Hippo Pathway for Tumorigenesis and Size Control Bin Zhao
14:00-14:15	6A-3	O-GlcNAc Signaling in Central Control of Energy Homeostasis Xiaoyong Yang
14:15-14:30	6A-4	Nutrient Sensing and Energy Metabolism at the Crossroad between Cancer and Metabolic Diseases Boyi Gan
14:30-14:45	6A-5	Kras-Driven Metabolism Vulnerability in Pancreatic Cancer Haoqiang Ying
14:45-15:00		Coffee Break

7A: Nuclear Receptor-Mediated Signaling in Liver Cancer

Chairpersons: Yu-Jui Yvonne Wan / John YL Chiang

15:00-15:15	7A-1	miR-22-Silenced CCNA2 is Regulated by Bile Acid Receptor FXR Yu-Jui Yvonne Wan
15:15-15:30	7A-2	Deciphering the Anti-Oncogenic Roles of Pro-Oncogenic Molecules in Liver Cancer Gen-Sheng Feng
15:30-15:45	7A-3	Nongenomic Activation of PI3K/AKT Signaling by RXR and Its Regulation in Liver Cancer Xiao-Kun Zhang
16:45-16:00	7A-4	Novel Roles of the Cellular Trafficking Receptor Sortilin 1 in the Pathogenesis of Diabetic Dyslipidemia Tiangang Li
16:15-16:30		Mini Break

8A: The Rhythm of Metabolism, and Mitochondria's Struggle between Power and Age

Chairpersons: Yuxiang Sun / Chaodong Wu

Sunday

June 28

16:30-16:45	8A-1	CGI-58, Intracellular Lipolysis and Metabolic Diseases Liqing Yu
16:45-17:00	8A-2	Circadian Clock Dysregulation Links Inflammation and Insulin Resistance in Obesity Chaodong Wu
17:00-17:15	8A-3	Diurnal Regulation of Mitochondrial Dynamics in Hepatic Feeding Response Chih-Hao Lee
17:15-17:30	8A-4	Pathological Cardiolipin Remodeling Links Mitochondrial Dysfunction to Ageing-Related Metabolic Diseases Yuguang (Roger) Shi
17:30-17:45	8A-5	Ghrelin Signaling Controls the "Yin-Yang" Balance of White and Brown Fat during Aging Yuxiang Sun

6B: RNA Helicase and RNA Binding Proteins: From Biochemistry to Disease

Chairpersons: Woan-Yuh Tarn / Yongzhen Xu

Sunday

June

28

13:30-13:45	6B-1	The Function of DEAD-box ATPase Prp5 in Prespliceosome Formation Soo-Chene Cheng
13:45-14:00	6B-2	Modulation of Splicing Fidelity by RNA Helicases/ATPases Yongzhen Xu
14:00-14:15	6B-3	The RNA-Binding Protein Rbp1p Cooperates with Specific Regulatory Factors to Mediate Distinct mRNA Decay Fang-Jen Lee
14:15-14:30	6B-4	Translational Control of Viruses Shin-Ru Shih
14:30-14:45	6B-5	DDX3 Modulates Cell Cycle Progression and Cancer Metastasis via its Role in Translational Control Woan-Yuh Tarn
14:45-15:00		Coffee Break

7B: MAO A Dysregulation and Related Disease

Chairpersons: Jean C. Shih / Jackson Chieh-Hsi Wu

15:00-15:15	7B-1	Potential Application of Monoamine Oxidase Inhibitors in the Prevention of Restenosis Jackson Chieh-Hsi Wu
15:15-15:30	7B-2	Loss of MAOA in Prostate Epithelium Delays Carcinogenesis in a Mouse Model of Prostate Cancer William Chun-Peng Liao
15:30-15:45	7B-3	Autoantibody Profiling of MAO-A KO Mice Using Human Proteome Microarrays-In Search of Biomarkers for ASD Jason Chien-Sheng Chen
15:45-16:00	7B-4	Monoamine Oxidase A Mediates the Growth of Hodgkin's Lymphoma Jami Pei-Chuan Li
16:00-16:15	7B-5	MAO A Mediates Neuroendocrine Differentiation and Autophagy Activation of Relapsed Prostate Cancer Pei-Ching Chang
16:15-16:30		Mini Break

8B: The Symphony of Metabolic Organs: From the Brain to the Periphery

1st Conference Room

Chairpersons: Yong Xu / Feng Liu

O HSSB

Sunday

June 28

16:30-16:42	8B-1	Novel Neurocircuits of Feeding and Related Behaviours Qingchun Tong
16:42-16:54	8B-2	Body Weight Control via BDNF-Expressing Neurons in the Paraventricular Hypothalamus Baoji Xu
16:54-17:06	8B-3	Hypothalamic Basis of Metabolic Syndrome Dongsheng Cai
17:06-17:18	8B-4	Regulation of Adiponectin Signaling Lily Dong
17:18-17:30	8B-5	The Inhibitory Role of mTORC1 Signaling in the Development of Beige Fat Meilian Liu
17:30-17:42	8B-6	The Role of Perivascular Adipose Tissue in Atherosclerosis and Hypertension Y. Eugene Chen

6C: Chromatin and Genome Maintenance

Chairpersons: Cheng-Ming Chiang / Sheau-Yann Shieh

13:30-13:45	6C-1	Guarding the Stemness Loci Oct4 and Nanog in ESC and Pax6 Regulation in Neuronal Differentiation Li-Na Wei
13:45-14:00	6C-2	Ribonucleotide Reductase Promotes dUTP-Mediated Genome Instability in Tumor Progression Zee-Fen Chang
14:00-14:15	6C-3	Autophagy Induction Causes a Synthetic Lethal Sensitization to Ribonucleotide Reductase Inhibitor in Breast Cancer Cells David Ann
14:15-14:30	6C-4	BTG3 in Checkpoint Maintenance and Tumor Suppression Sheau-Yann Shieh
14:30-14:45	6C-5	BRD4 in Chromatin Dynamics and Cancer Therapeutics Cheng-Ming Chiang
14:45-15:00		Coffee Break

7C: Genetic and Genomic Approaches for the Study of Sexual Development

Chairpersons: Humphrey Hung-Chang Yao / Zhibing Zhang

15:00-15:15	7C-1	Gli-Similar 3 is a Master Regulator of Retrotransposon Silencing in Male Fetal Germ Cells Humphrey Hung-Chang Yao
15:15-15:30	7C-2	Dissecting the Structural Basis of MEIG1 Interaction with PACRG and the Regulation of Spermiogenesis Zhibing Zhang
15:30-15:45	7C-3	MED13 Regulates Expression of Chromatin Modifying Proteins during Embryonic Genome Activation Yi-Liang Miao
15:45-16:00	7C-4	Investigating Mammalian Cortical Granule Biology Using Ovastacin, a Pioneer Zn+2 Metalloendoprotease Bo Xiang
16:00-16:15	7C-5	Abnormal Development of Distal Reproductive Tracts in Lhfpl2-Mutant Mice Xiaoqin Ye
16:15-16:30		Mini Break

8C: New Development in Structure Biology

Chairpersons: Wah Chiu / Hong Zhou

Sunday

June 28

16:30-16:45	8C-1	Atomic Structure of the Type Six Secretion System Hong Zhou
16:45-17:00	8C-2	Gamma Secretase cryoEM Structure Xiaochen Bai
17:00-17:15	8C-3	TRP1 Channel cryoEM Structure Yifan Cheng
17:15-17:30	8C-4	Structure of the IP3R1 Channel Determined by Cryo-EM Irina Serysheva
17:30-17:45	8C-5	Subnanometer Structure of the AcrABZ-TolC Multidrug Efflux Pump with Puromycin Zhao Wang

6D: iPSC-Based Modeling of Neurodevelopment and Diseases

Chairpersons: Yanhong Shi / Guo-Li Ming

13:30-13:45	6D-1	Neural Stem Cells and Their Niches for Neuroregeneration Ing-Ming Chiu
13:45-14:00	6D-2	Human iPSC-Based Modelling of Neurological Diseases Yanhong Shi
14:00-14:15	6D-3	Function of Risk Genes for Mental Disorders in Neural Development Guo-Li Ming
14:15-14:30	6D-4	Modeling Alzheimer's Disease and Drug Screening Using iPSC-Derived Neurons Yadong Huang
14:30-14:45	6D-5	Synapse Formation, Plasticity, and Brain Disorders Lin Mei
14:45-15:00		Coffee Break

7D: TGF-Beta Signaling in Stem Cell and Cancer

Chairpersons: Ying E. Zhang / Xiao-Jing Wang

15:00-15:15	7D-1	Smurf Ubiquitin Ligases Regulate Embryonic Development through TGF-Beta Pathway Ying E Zhang
15:15-15:30	7D-2	Internalization Routes of TGF-β Receptors Ye-Guang Chen
15:30-15:45	7D-3	TGFβ Regulation in Human Pluripotent Stem Cells Guokai Chen
15:45-16:00	7D-4	Therapeutic Strategies of Eradicating Cancer Stem Cells in Skin and Oral Cancer Xiao-Jing Wang
16:00-16:15	7D-5	Mechanisms of Myeloid TGF β Signaling in Cancer Metastasis Li Yang
16:15-16:30		Mini Break

8D: Emerging Viral Diseases

Sunday

June 28

Chairpersons: Jen-Ren Wang / Charles Wood

16:30-16:45	8D-1	From Studies on Nipah Virus and Hendra Virus Entry to an Effective Human Monoclonal Antibody Therapy and Commercialized Vaccine Christopher Broder
16:45-17:00	8D-2	Emerging Coronaviruses: Lesson from OC43, SARS to MERS Susanna Lau
17:00-17:15	8D-3	Innate Immunity Evasion by Enteroviruses: A Key Aspect for Viral Pathogenesis Jianwei Wang
17:15-17:30	8D-4	Molecular Determinants of Human Infections by Avian Influenza A Virus Shin-Ru Shih
17:30-17:45	8D-5	Host MicroRNAs: Biomarkers of HPV Infections and Regulators of HPV Gene Expression Thomas Zhi-Ming Zheng

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6E: New Roles for Thyroid Hormone in Metabolic Regulation and Diseases

Chairpersons: Jiemin Wong / Victoria Hsia

13:30-13:45	6E-1	miR-133a1 Mediates Thyroid Hormone Action on the Metabolic Phenotype of Skeletal Muscle Hao Ying
13:45-14:00	6E-2	Thyroid Hormone Stimulates Hepatic Lipid Catabolism via Activation of Autophagy Paul Yen
14:00-14:15	6E-3	Effects of Thyroid Hormone on HSV-1 Replication and Gene Expression in Neuronal Cells during Latency and Reactivation Victor Hsia
14:15-14:30	6E-4	Thyroid Hormone-Activated DAPK2 Suppresses Hepatocarcinogenesis through Autophagy Kwang-Huei Lin
14:45-15:00		Coffee Break

7E: Frontiers in Functional Exploration of GLP-1 and GLP-1 Based Drugs in Diabetes and Obesity Treatment and Prevention

Chairpersons: Tianru Jin / Jianping Weng

15:00-15:15	7E-1	Mechanisms Underlying the Repressive Effect of Glp-1 on Hepatic Gluconeogenesis Tianru Jin
15:15-15:30	7E-2	GLP-1R agonist Improves Obesity by Browning in WAT through Activating SIRT1 Jianping Weng
15:30-15:45	7E-3	GLP-1 versus Leptin in RYGB Bariatric Bypass Surgery Jingping Ye
15:45-16:00	7E-4	GLP-1 Fusion Protein as Potent Long Acting GLP-1 Receptor Agonist Qinghua Wang
16:00-16:15	7E-5	The Role of GLP Post-Receptor Signal, PI3K/AKT in Beta-Cell Regeneration Bangyan Stiles
16:15-16:30		Mini Break

8E: Cardiovascular Development, Regeneration and Disease

Chairpersons: Li Chen / Zhe Zheng

16:30-16:45	8E-1	Non-Coding RNAs, New Players in the Heart Da-Zhi Wang
16:45-17:00	8E-2	Exosomal MiRNA as Potential Biomarker of Cardiovascular Diseases Zhe Zheng
17:00-17:15	8E-3	The Role of Tbx20 in Regulating Cardiomyocyte Excitability via Cardiac Voltage-gated Sodium Channel Nav1.5. Weinian Shou
17:15-17:30	8E-4	Zebrafish Heart Regeneration Jingwei Xiong
17:30-17:45	8E-5	PTEN-PDK1-Akt Signaling is Critical for Second Heart Field Development Zhongzhou Yang

Sunday

6F: Heart Development and Diseases

Chairpersons: Sophia Tsai / Ching-Pin Chang

13:30-13:45	6F-1	Epigenetics and LncRNA Mechanims of Heart Disease Ching-Pin Chang
13:45-14:00	6F-2	CELF1 Regulates Connexin43 mRNA Degradation in Dilated Cardiomyopathy Guey-Shin Wang
14:00-14:15	6F-3	FRS2-Mediated FGF Signals in Heart Outflow Tract Development Fen Wang
14:15-14:30	6F-4	Endocardial Roles in Heart Development and Disease Bin Zhou
14:30-14:45	6F-5	Cardiac Regeneration and Rejuvenation by Endogenous Stem Cells Patrick C.H. Hsieh
14:45-15:00		Coffee Break

7F: DNA Replication and Genome Stability Research in China

Chairpersons: Xingzhi Xu / Daochun Kong

15:00-15:15	7F-1	Ubiquitination of CLASPIN Regulates Replication Stress-Induced CHK1 Activation Xingzhi Xu
15:15-15:30	7F-2	The Initiation of Chromosomal DNA Replication in Eukaryotes: A Conserved Biological Event is not Really Conserved from Budding Yeast to Fission Yeast and Human Cells Daochun Kong
15:30-15:45	7F-3	A Role of Histone Chaperone FACT in Replication-Coupled Nucleosome Assembly Qing Li
15:45-16:00	7F-4	Histone Methylation and DNA Replication Control Huadong Pei
16:00-16:15	7F-5	Sister Chromatid Cohesion Establishment during S Phase Huiqiang Lou
16:15-16:30		Mini Break

Sunday June 28

8F: Genomic Stability

Chairpersons: Guo-Min Li / Lee Zou

16:30-16:45	8F-1	DNA Damage During the G0/G1 Phase Triggers RNA-Templated, Cockayne Syndrome B-Dependent Homologous Recombination Li Lan
16:45-17:00	8F-2	Aflatoxin B1 Hepatocarcinogenesis via Lipid Peroxidation Inducing Cyclic Propano-DNA Adduct at p53 Codon 249, Inhibiting DNA Repair and Enhancing Mutation Susceptibility Hsiang-Tsui (Mandy) Wang
17:00-17:15	8F-3	DNA-PKcs and ATM – The Importance of Self-Discipline Shan Zha
17:15-17:30	8F-4	Role of Human Papillomavirus Oncoprotein in Altering the Histone Methylation Level Feng Li
17:30-17:45	8F-5	Mechanisms and Regulation of DNA and RNA Surveillance Zhongsheng You

Sunday June 28

6G: Frontier in Leukemia Therapy

Chairpersons: Paul Liu / Yang Liu

13:30-13:45	6G-1	Deciphering the Role of Large Chromosome Deletions in Hematological Malignancies Chong Chen
13:45-14:00	6G-2	Negative Feedback–Defective PRPS1 Mutants Drive Thiopurine Resistance in Relapsed Childhood ALL Bin-Bing Zhou
14:00-14:15	6G-3	TSC-mTOR Signaling in miRNA Biogenesis Pan Zheng
14:15-14:30	6G-4	Functional and Translational Studies of CBF Leukemia Paul Liu
14:30-14:45	6G-5	AML Therapy Targeting Leukemia Stem Cells Yang Liu
14:45-15:00		Coffee Break

7G: Oncogenic Viruses

Chairpersons: James Ou / Chou-Zen Joe Giam

15:00-15:12	7G-1	Hepatitis B Virus Assembly: From Basic Research to Novel Diagnostics Jianming Hu
15:12-15:24	7G-2	Pathogenesis and Therapeutic Implications for Androgen Pathway in HBV-Induced Liver Cancers Shiou-Hwei Yeh
15:24-15:36	7G-3	Polyomavirus, DNA Damage Response, and Genome Instability Mengxi Jiang
15:36-15:48	7G-4	LKB1 Inhibits HPV-facilitated Cancer Progression by Targeting Cellular Metabolism Zhi-Xiang Xu
15:48-16:00	7G-5	Organotypic Epithelial Cultures as a Platform to Develop Therapeutic Strategies for Treating Human Papillomavirus Lesions Louise Chow
16:00-16:12	7G-6	Retroviral Oncoprotein Tax-Induced Activation of LKB1-SIK and SIRT1 Signaling in the Regulation of HTLV-1 Transcription Dong-Yan Jin
16:15-16:30		Mini Break

Sunday June 28

8G: Translating Research Discovery to Technology or Therapeutics Product

Chairpersons: Jing-Shan Jennifer Hu / James Huang

16:30-16:40	8G-1	From Academic Research to Drug Discovery/Development Dajun Yang, President & CEO, Ascentage Pharma
16:40-16:50	8G-2	Earlier Stage Industry-Academia Partnering for Drug Discovery Jennifer Hu, Vice President, Bayer HealthCare
16:50-17:00	8G-3	Later Stage Partnering with Multinational Pharma for Drug Development Ji Li, Vice President, Business Development & Licensing, Merck Research Laboratories
17:00-17:10	8G-3	What are the VCs Looking for to Fund a Biotech Company and What it Takes to Succeed James Huang, Managing Partner, Kleiner Perkins Caufield Byers (KPCB) China
17:10-17:45		Panel Discussion and Q&A

Keynote Lecture 3

Chairperson: Dihua Yu (The University of Texas MD Anderson Cancer Center, USA)

- 09:00-09:10 Administrative Announcement Door Prize Drawing #1
- 09:10-09:50 KL-3 Telomeres in Cancer and Aging Ronald DePinho (MD Anderson Cancer Center, USA)

Tang Prize Lectureship

Chairperson: Wen-Chang Chang (Journal of Biochemical Science, USA)

- 09:50-10:20 DL-4 Cancer Immunotherapy by PD-1 Blockade Tasuku Honjo (Kyoto University; Shizuoka Prefectural University Corporation, Japan)
- 10:20-10:40 Coffee Break

Plenary Lecture 4

Chairpersons: Mien-Chie Hung (The University of Texas MD Anderson Cancer Center, USA) Yang Shi (Harvard Medical School, USA)

- 10:40-11:05 PL4-1 Prevention of Liver Cancer through Control of Chronic Hepatitis B: From Epidemiology to Public Health Programs Chien-Jen Chen (Academia Sinica, Taiwan)
- 11:05-11:30 PL4-2 Neural Plasticity-Based Therapy of Brain Disorders Mu-Ming Poo (University of California, Berkeley, USA)

Award Announcement & Closing Ceremony

- 11:30-12:00 Award Announcement (by Gen-Sheng Feng / Hui Zheng) Door Prize Drawing #2 (by Chris Lau / TC Wu)
- 12:00-12:10 Closing Ceremony Dihua Yu (President, SCBA) Yang Shi (President-Elect, SCBA, 2016-2017)
- 12:10- Lunch