宁夏医科大学

Eighth International Symposium on Frontiers in Life Sciences
New Advances and Challenges in Multidisciplinary Research
August 25-28, 2010, YinChuan, China

香港中文大学

Organizers:

The Chinese University of Hong Kong

Ningxia Medical University

Host:

Basic Medical College of Ningxia Medical University

Epithelial Cell Biology Research Center, The Chinese University of Hong Kong

Affiliated Hospital of Ningxia Medical University

Key Laboratory of Brain Disease of Ningxia Hui Autonomous Region

Key Laboratory of Fertility Preservation of Province and Ministry Co-contribution

Key Laboratory of Reproduction and Heredity of Ningxia Hui Antonomous Region

Ningxia Society for Anatomical Sciences

Co-organizers:

Ningxia Science and Technology Department

Ningxia Society for Science and Technology

Center of Scientific Technology of Ningxia Medical University

Ningxia Stem Cells Institute

Venues:

Ningxia Medical University

Scientific Advisors:

Lin Fang WANG	Academician of Chinese Academy of Engineering
Yi Xun LIU	Academician of Chinese Academy of Science
Yong Lian ZHANG	Academician of Chinese Academy of Science
Zu Ze WU	Academician of Chinese Academy of Science
Yue Ting GONG	Academician of Chinese Academy of Science
Bai Ge ZHAO	Vice Chair, State Family Planning Commission
Zhong He ZHAI	Academician of Chinese Academy of Science
Qi Shui LIN	Academician of Chinese Academy of Science
Yu Mei WEN	Academician of Chinese Academy of Engineering
Da Long MA	Human Disease Genomics Center, Peking University

Presidium:

Chairperson:

Tao SUN	President, Ningxia Medical University
Hsiao Chang CHAN	Director, Epithelial Cell Biology Research Center, The Chinese University of Hong Kong

Vice-Chairperson:

Jianzhong ZHANG	Vice President, Ningxia Medical University
Yinxue YANG	President, Affiliated Hospital of Ningxia Medical University
Yanrong WANG	Director, Basic Medical College of Ningxia Medical University

Members:

Xiao Song GU	President, Nantong University
Ying XING	President, Xinxiang Medical College
Jun Xia XIE	Vice-President, Qing Dao University
Ya CAO	Vice-President, Central-South University
Ting Yu LI	President, Chongqing University of Medical Sciences
Yue Sheng HUANG	President, Burn Institute of the Third Military Medical University
Jie Ying GAO	Academy of Military Medical Sciences
Yun Fei XIA	Sun Yat-Sen University
Wen Liang ZHOU	School of Life Science, Sun Yat-Sen University
Jin Xia ZHU	School of Basic Medical Science, Capital Medical University
Wei ZOU	Liaoning Normal University
Jian Li JIANG	The Fourth Military Medical University
Tak Wah WONG	Cheng Kung University, Taiwan
Jun Ping LIU	Monash University, Australia

Executive Chairperson:

Jianzhong ZHANG	Vice President, Ningxia Medical University
Hsiao Chang CHAN	Director, Epithelial Cell Biology Research Center, The Chinese University of Hong Kong

Executive Vice Chairperson

Yanrong WANG	Director, Basic Medical College of Ningxia Medical University and Key Laboratory of Fecundity Preservation of Provinve and Ministry Co-contribution

Director of Executive Committee:

Fang XU	Director of Ningxia Society for Genetics

Vice Director of Executive Committee:

Jun WEI	Vice President of Ningxia Stem Cells Institute

Director of Academic Committee:

Wenjun YUAN	Vice Chairman of Chinese Association for Physiological Sciences
Zhenghao HUO	Vice Director of Key Lab. of Reproduction and Heredity of Ningxia Hui Antonomous Region

General Secretary:

Jianhua ZHU Director of Center of Scientific Technology, Ningxia Medical University

Vice Secretary:

Xiaodong MA Basic Medical College of Ningxia Medical University

Juan LIU Basic Medical College of Ningxia Medical University

Administration Team:

Xianghua HE, Yin WANG, Qing CHANG, Wenzhi MA and Xiaomin ZHENG
(Basic Medical College of Ningxia Medical University)
Lai Ling Angel TSANG
(Epithelial Cell Biology Research Center, The Chinese University of Hong Kong)

<u>Award Judging Panel:</u>

Panel 1	Prof. Lin Fang WANG	王琳芳院士	协和医科大学
	Prof. Dong Qing CAI	蔡冬青教授	暨南大学再生医学教育部重点实验室
	Prof. Zi Qiang LUO	罗自强教授	中南大学湘雅医学院
Panel 2	Prof. Wen Jun YUAN	袁文俊教授	宁夏医科大学
	Prof. Yun Fei XI	夏云飞教授	中山大学
	Prof. Wei ZOU	邹伟教授	辽宁师范大学
Panel 3	Prof. Jie Ying GAO	高杰英教授	中国军事医学科学院
	Prof. Wen Liang ZHOU	周文良教授	中山大学
	Prof. Jian Li JIANG	蒋建利教授	第四军医大学
Panel 4	Prof. Zi Dong WANG	王子栋教授	暨南大学医学院
	Prof. Xiaoqun QIN	秦晓群教授	中南大学基础医学院
	Prof. Xiao Hua JIANG	蒋晓华教授	香港中文大学

PROGRAM AT A GLANCE:

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Aug 26, 2010</th><th colspan="4">Friday
Aug 27, 2010</th></tr>
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(Ningxia People's Congress Conference Center)</td><td>宁夏医科大学
(Ningxia Medical University)</td><td colspan="4">宁夏医科大学
(Ningxia Medical University)</td></tr>
<tr><td rowspan="11">11:00 – 20:00
Registration</td><td>09:00 – 09:30
Opening Ceremony</td><td colspan="4" rowspan="2">09:00 – 10:30
Short Talks (in 4 session)
Session A | Session B | Session C | Session D</td></tr>
<tr><td>09:30 – 09:45
Group Photo</td></tr>
<tr><td>09:45 – 10:45
Key Lectures</td><td colspan="2" rowspan="2">10:30 – 12:00
Coffee or Tea Break & Poster Viewing</td><td colspan="2" rowspan="2">10:30 – 11:45
Young Scientist Competition
(in 4 session)</td></tr>
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<tr><td>12:00 – 14:00
Lunch & Poster Viewing</td><td colspan="4">12:30 – 14:00
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Dinner</td></tr>
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Saturday Aug 28, 2010	Sunday Aug 29, 2010
宁夏考察观光 (Tour of NingXia)	宁夏考察观光 (Tour of NingXia)
09:00 – 18:00 沙湖旅游景点→中华回乡风情园(回族博物馆) Sand Lake and Chinese Hui Culture and Custom's Park (China Muslim Museum)	09:00 – 18:00 西夏王陵和西部影视城 (自费) The Royal Mausoleum of the Western Xia State and Western China Film City (self-paid)

August 26, 2010

Venue: Conference Center of Ning Xia Medical University

地点: 宁夏医科大学 会议中心

09:00 – 09:30	Opening Ceremony (开幕式)
09:30 – 09:45	Group Photo (大合照)
	Key Lectures (主题演讲)
Chairs: (主席:)	*Prof. Tao SUN,* President, Ningxia Medical University 孙　涛教授，宁夏医科大学校长 *Prof. Jun Ping LIU*, Monash University, Australia 刘俊平教授，澳大利亚 Monash 大学
09:45 – 10:15	**Ricardo MILEDI,** Professor of University of California, Irvine, Member of the National Academy of Sciences, USA Using frog oocytes to study Alzheimer's disease
10:15 – 10:45	**KH Andy CHOO,** Director, Laboratory and Community Genetics Theme; Head, Chromosome and Chromatin Research Laboratory; Fellow of the Australian Academy of Science, Murdoch Childrens Research Institute, Department of Paediatrics, University of Melbourne, The Royal Children's Hospital Clinical and biological impact of mobile centromeres
10:45 – 11:00	*Coffee and Tea Break & Poster viewing (茶歇及壁报展览)*
	Key Lectures (主题演讲)
Chairs: (主席:)	*Prof. Jianzhong ZHANG*, Vice President, Ningxia Medical University 张建中教授，宁夏医科大学副校长 *Prof. Lin Fang WANG,* Academician of Chinese Academy of Engineering, Chinese Academy of Medical Sciences & Peking Union Medical College 王琳芳教授，中国医学科学院基础医学研究所、中国协和医科大学教授
11:00 – 11:30	**Chawn Shang CHANG,** George Whipple Distinguished Professor Departments of Urology and Pathology, University of Rochester, Rochester, New York Androgen receptor physiological roles: their application in prostate/liver cancer and SBMA neuron disease
11:30 – 12:00	**Wai Yee CHAN,** Professor of Biomedical Sciences; Director, School of Biomedical Sciences, Faculty of Medicine, The Chinese University of Hong Kong Epigenetic regulation in germ cell tumorigenesis
12:00 – 14:00	*Lunch & Poster viewing (午餐及壁报展览)*
	Key Lectures (主题演讲)
Chairs: (主席:)	*Prof. Wenjun YUAN,* Vice Chairman of Chinese Association for Physiological Sciences 袁文俊教授，中国生理学会副理事长 *Prof. Ya NI,* Zhejiang Acedemy of Medical Sciences 倪　崖教授，浙江省医学科学院副院长

14:00 – 14:30	**Huan Ming YANG,** President, Beijing Genomics Institute (BGI), China New Progresses in Genomics and New Opportunities for Medicine
14:30 – 15:00	**Axel ULLRICH,** Director of the Department Molecular Biology, Max Planck Institute of Biochemistry, Germany Individual Genetic Determinants Enhance Cancer Progression
15:00 – 15:30	**Hong Yang WANG,** Professor & Director, International Cooperation Laboratory, on Signal Transduction, Eastern Hepatobiliary Surgery Institute/Hospital, Shanghai, Academician, the Chinese Academy of Engineering Inflammation and Tumor(-Novel function of the inhibitory receptor SIRPa)
15:30 – 16:00	**Ming-Jer TANG,** Vice President of Academic Affairs and Distinguished Professor, Department of Physiology, National Cheng Kung University Medical College, Taiwan Exploring cancer cell stiffness
16:00 – 16:20	*Coffee and Tea Break & Poster viewing (茶歇及壁报展览)*
	Special Topic (专题报告)
Chairs: (主席:)	*Prof. Yanrong WANG,* Ningxia Medical University 王燕蓉教授，宁夏医科大学基础学院院长 *Prof. Xiaoqun QIN,* Professor & Dean, The Basic Medical College of Central South University 秦晓群教授,中南大学基础医学院副院长
16:20 – 16:40	**Tao SUN,** President, Ningxia Medical University Basic and clinical research on insule epilepsy
16:40 – 17:00	**Jun Ping LIU,** Associate Professor, Head, Molecular Singnaling Lab, Department of Immunology, Faculty of Medicine, Nursing and Health Sciences, Monash University, Australia A new mouse model of mental disorder
17:00 – 17:20	**M. Louise TIERNEY,** Group Leader, Membrane Physiology and Biophysics Group, Division of Molecular Bioscience, The John Curtin School of Medical Research,The Australian National University A novel approach to defining GABA-A receptor physiologies through the disruption of receptor protein interactions
17:20 – 17:40	**Carl Keith EDWARDS,** Associate Professor, Department of Dermatology, University of Colorado School of Medicine, USA Autoreactive CD4+CD45RO+CCR4+ CCR10+ Th22 Memory T Cells Activate Keratinocytes to Produce the Proinflammatory Cytokine IL-32 in a Cell-Cell Contact Manner
17:40 – 18:00	**Hsiao Chang CHAN**, Li Ka Shing Professor of Physiology, Director of Epithelial Cell Biology Research Center, The Chinese University of Hong Kong CFTR in health and diseases
18:00 – 20:00	*Dinner (晚餐)*

August 27, 2010

09:00 – 10:30	**Short Talk – in 4 session (简短汇报 – 分四会场报告)**		
	Session A (A 组)	地點：宁夏医科大学行政楼一楼会议室（南）	
	Session B (B 组)	地點：宁夏医科大学行政楼二楼会议室（南）	
	Session C (C 组)	地點：宁夏医科大学行政楼二楼会议室（北）	
	Session D (D 组)	地點：宁夏医科大学行政楼三楼会议室（国际报告厅）	
10:30 – 12:00	*Coffee and Tea Break & Poster viewing (茶歇及壁报展览)*		
10:30 – 11:45	**Young Scientist Competition – in 3 session (青年优秀论文评选 – 分四会场报告)**		
Session 1 (1 组)	地點：宁夏医科大学行政楼一楼会议室（南）		
Judging Panel 1	Prof. Lin Fang WANG	王琳芳院士	协和医科大学
	Prof. Dong Qing CAI	蔡冬青教授	暨南大学再生医学教育部重点实验室
	Prof. Zi Qiang LUO	罗自强教授	中南大学湘雅医学院
Session 2 (2 组)	地點：宁夏医科大学行政楼二楼会议室（南）		
Judging Panel 2	Prof. Wen Jun YUAN	袁文俊教授	宁夏医科大学
	Prof. Yun Fei XI	夏云飞教授	中山大学
	Prof. Wei ZOU	邹伟教授	辽宁师范大学
Session 3 (3 组)	地點：宁夏医科大学行政楼二楼会议室（北）		
Judging Panel 3	Prof. Jie Ying GAO	高杰英教授	中国军事医学科学院
	Prof. Wen Liang ZHOU	周文良教授	中山大学
	Prof. Jian Li JIANG	蒋建利教授	第四军医大学
Session 4 (4 组)	地點：宁夏医科大学行政楼三楼会议室（国际报告厅）		
Judging Panel 4	Prof. Zi Dong WANG	王子栋教授	暨南大学医学院
	Prof. Xiaoqun QIN	秦晓群教授	中南大学基础医学院
	Prof. Xiao Hua JIANG	蒋晓华教授	香港中文大学
11:45 – 12:30	**Young Scientist Competition (Final) (青年优秀论文评选决赛)**		
Venue: (地点)	Conference Center of Ning Xia Medical University (宁夏医科大学 会议中心)		
Judging Panel	Prof. Lin Fang WANG	王琳芳院士	协和医科大学
	Prof. Jie Ying GAO	高杰英教授	中国军事医学科学院
	Prof. Zi Dong WANG	王子棟教授	暨南大学医学院
	Prof. Wen Jun YUAN	袁文俊教授	宁夏医科大学
	Prof. Xiaoqun QIN	秦晓群教授	中南大学基础医学院
12:30 – 14:00	*Lunch & Poster viewing (午餐及壁报展览)*		
	Special Topic (专题报告)		
Venue: (地点)	Conference Center of Ning Xia Medical University (宁夏医科大学 会议中心)		
Chairs: (主席:)	*Prof. Tak Wah WONG,* Department of Dermatology, National Cheng Kung University		
	王德华教授，台湾成功大学医学院皮肤科		

Prof. Yuesheng HUANG, Burn Institute of the Third Military Medical University
黄跃生教授，第三军医大学烧伤研究所所长

14:00 – 14:20 **Dong Qing CAI,** Key Laboratory for Regenerative Medicine, Ministry of Education, China, Jinan University - The Chinese University of Hong Kong

The microenvironment of Cardiac Microvascular Endothelial Cells for Heart Aging and Regeneration

14:20 – 14:40 **Hui Yao LAN,** Department of Medicine and Therapeutic, and Li Ka Shing Institute of Health Sciences, The Chinese University of Hong Kong

Essential role of TGF-β signaling in hypertensive cardiac remodeling

14:40 – 15:00 **Chen CHEN,** Professor, Endocrinology Physiology, School of Biomedical Sciences, University of Queensland

Distribution and function of GPR40 and GPR120 in islet alpha and beta cells - contribution to type 2 Diabetes

15:00 – 15:20 **Hong ZHOU,** Associate Professor, Head, Molecular Bone Biology Unit, Bone Research Program, ANZAC Research Institute, The University of Sydney at Concord

The Role of endogenous glucocorticoids in autoimmune arthritis

15:20 – 15:40 **Yue Shen HUANG,** Director, Burn Institute of the Third Military Medical University

The roles and pathogenesis of microtubule changes in ischemic-hypoxic myocardial damage

15:40 – 16:00 *Coffee and Tea Break & Poster viewing (茶歇及壁报展览)*

Special Topic (专题报告)

Chairs: (主席:) *Prof. Wen Liang ZHOU,* Sun Yat-Sen University
周文良教授，中山大学生命科学院
Prof. Qi Xian SHI, Zhejiang Acedemy of Medical Sciences
石其贤教授，浙江省医学科学院

16:00 – 16:20 **Yan Rong WANG,** Director, Basic Medical Science College, Ningxia Medical University

The Protective Effects of Gonadotropins during Vitrification and Transplantation for Mammalian Ovarian Tissue

16:20 – 16:40 **Zhen Ge LUO,** Institute of Neuroscience, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences

Molecular mechanisms underlying neuronal polarization

16:40 – 17:00 **Jia Wei ZHOU,** Principle Investigator, Institute of Neuroscience, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences

MSC p43 required for axonal development in motor neuron

17:00 – 17:20 **Xiao Hua JIANG,** Research Assistant Professor, Epithelial Cell Biology Research Center, The Chinese University of Hong Kong

Stem cells in diseases modeling

17:20 – 17:40 **Tak Wah WONG,** Professor, Department of Dermatology, National Cheng Kung University

A novel way to isolate adult stem cell for ischemic heart repair

17:40 – 18:15	*Closing and Award Ceremony*
18:15 – 20:00	*Dinner*

Short talk - Session A (简短汇报 - A 组)

地點：宁夏医科大学行政楼一楼会议室（南）

Chairs: (主席:)	*Hao TANG,* China Medical University 汤　浩, 中国医科大学基础医学院 *Wen Ming XU*, West China Second University Hospital, Sichuan University 许文明, 四川大学华西第二医院,生殖医学联合实验室
09:00 – 09:10	**Xiu Rong Huang (黄秀榕),** 福建中医学院 Apoptosis of lens epithelial cell induced by elemene and the cellular and molecular mechanism
09:10 – 09:20	**Ming Xin Qi (祁明信),** 福建中医学院 The Expression of TLR4mRNA and CD14mRNA and the Effect of Lipopolysaccharide in Lens Epithelial Cells
09:20 – 09:30	**Shao Qiong Yi (易绍琼),** 军事医学科学院 CFTR in epithelial cells plays a key role in maintaining lymphocytes survival *in vitro*
09:30 – 09:40	**Huai Bai (白怀),** 四川大学 Orientation and directed migration of cultured trophoblast cells in small electric fields
09:40 – 09:50	**Mei Ling Liu (刘美玲),** 国家人口计生委科学技术研究所 Lentivirus-mediated RNA interference reveals that a testis-specific gene, LM23, is essential for spermatogenesis in *Rattus norvegicus*
09:50 – 10:00	**Wen Ming Xu (许文明)**, 四川大学华西第二医院,生殖医学联合实验室 GABA-A receptor δ-subunit is expressed in sperm and important for progesterone induced AR reaction
10:00 – 10:10	**Yue Hui Zheng (郑月慧),** 南昌大学医学院 c-erbB2 and c-myb induce oocyte maturation *via* activation of maturation promoting factor (MPF)
10:10 – 10:20	**Tong Li (李彤),** 新乡医学院第一附属医院 Thrombin Induced TGF-β1 Pathway: A Cause of Communicating Hydrocephalus Post Subarachnoid Hemorrhage
10:20 – 10:30	**Yi Qin (秦毅)**, 宁夏医科大学 Effect of astragalus injection on ultrastructure of neurons that surrounding intracerebral hemorrhage in rats

Short talk - Session B (简短汇报 - B 组)

地點：宁夏医科大学行政楼二楼会议室（南）

Chairs: (主席:)	*Zi Qiang LUO,* Central South University 羅自強, 中南大学湘雅医学院 Xue Mei LIU, The Affiliated Hospital of Medical College , Qingdao University 刘雪梅, 青岛大学医学院附属医院
09:00 – 09:10	**Jian Qi Cui (崔建奇)**, 宁夏医科大学基础医学院 Interplay between Pur α and Egr-1 in the transcriptional regulation of amyloid precursor protein gene expression
09:10 – 09:20	**Yu Ting Bai (白育庭),** 咸宁学院 Packaging of rAAV-VEGF165 and testing the biological activity
09:20 – 09:30	**Qing Min (闵清),** 咸宁学院 Study on the Protective Effects of Ebselen on Myocardial Ischemical Reperfusion Injury in Rats
09:30 – 09:40	**Wen Chao Ou (区文超),** 广州医学院第二附属医院 The novel steroidal glycoside from the dried bulb of Allium Macrostemon Bunge inhibit platelet activation
09:40 – 09:50	**Wei Yu (余薇),** 咸宁学院 Inhibitory effects of garlic polysaccharide pretreatment on cultured cardiocytes in anoxia/reoxygenation injury
09:50 – 10:00	**Xue Mei Liu (刘雪梅)**, 青岛大学医学院附属医院 The infiltration of mast cells and expression of stem cell factor in the renal tissue of patients with lupus nephritis
10:00 – 10:10	**Yan Wang (王燕),** 山东大学医学院 Influence of mycophenolate mofetil on BTLA and ICOS signaling in renal transplant rejection
10:10 – 10:20	**Jian Ping Xu (许建平),** 中南大学湘雅医学院 Gadolinium Chloride Attenuates Hypoxia Pulmonary Injury in the Adult Rat

Short talk - Session C (简短汇报 - C 组)

地點：宁夏医科大学行政楼二楼会议室（北）

Chairs: (主席:)	*Jie CHEN*, Children's Hospital of Chongqing Medical University 陈洁, 重庆医科大学附属儿童医院 *Jia Ping ZHANG*, Southwest Hospital, Third Military Medical University 张家平, 第三军医大学西南医院烧伤研究所
09:00 – 09:10	**Yong Guo (郭勇),** 卫生装备研究所 Mechanical stimulus accelerate mesenchymal stem cells differentiating toward cardiomyocytes
09:10 – 09:20	**Ping Duan (段萍),** 郑州大学 Directed differentiation of mouse-induced pluripotent stem cells generates dopaminergic nerve
09:20 – 09:30	**Kin Lam Fok (霍建霖),** 香港中文大学 STK31 acts as a cell fate determinant in spermatogonial stem cell
09:30 – 09:40	**Jie Chen (陈洁),** 重庆医科大学附属儿童医院 MSCs improve restoration of H_2O_2 injury PC12 cells by anti-apoptosis and cytokines release
09:40 – 09:50	**Qi Kuan Hu (扈启宽),** 宁夏医科大学 Pax6 maintains the EGF-responsive neural stem cell pool in the SVZ
09:50 – 10:00	**Fu Rong Li (李富荣)**, 暨南大学第二临床医学院 (深圳市人民医院) The mechanism of bone marrow mesenchymal stem cell differentiation into islet-like cells in diabetic pancreas microenvironment *in vivo*
10:00 – 10:10	**Liang Wang (王亮),** 卫生装备研究所 Involvement of BMP/Smad and Smurf mediated ubiquitin-proteasome pathway in mechanical strain induced osteoblastic differentiation
10:10 – 10:20	**Jia Ping Zhang (张家平),** 第三军医大学西南医院烧伤研究所 Electrically Guiding Migration of Human Induced Pluripotent Stem Cells

Short talk - Session D (简短汇报 - D 组)

地點：宁夏医科大学行政楼三楼会议室（国际报告厅）

Chairs: (主席:)	*Yun Fei XIA,* Sun Yat-Sen University 夏云飞, 中山大学肿瘤医院 *Jian Li JIANG*, Cell Engineering Research Center, the Fourth Military Medical University 蒋建利, 第四军医大学
09:00 – 09:10	**Gui Ying Li (李桂英),** 吉林大学分子酶学工程教育部重点实验室 The proliferation of breast cancer cells are inhibited by the human intrabody targeting cyclinD1
09:10 – 09:20	**Xu Dong Tang (唐旭东),** 广东医学院生物化学与分子生物学教研室 Overexpression of human papillomavirus type 16 E6 oncoprotein increased hypoxia-inducible factor (HIF)-1 protein accumulation and vascular endothelial growth factor (VEGF) expression in lung cancer cells A549
09:20 – 09:30	**Chun Mei Wang (王春梅),** 山东大学医学院 MicroRNA-370 is down-regulated in hepatitis B virus-related hepatocellular carcinoma and targets insulin-like growth factor binding protein 4
09:30 – 09:40	**Jing Bo Wu (吴敬波),** 泸州医学院附属医院 Inhibitory effects of myocardial cells culture medium on growth of human nasopharyngeal carcinoma and its mechanism in nude mice
09:40 – 09:50	**Wen Liang Zha (查文良),** 咸宁学院 Inhibition effect of Garlic Polysaccharide on proliferation of BEL-7402 human liver cancer cell *in vitro*
09:50 – 10:00	**Hong Bing Zhang (张宏冰),** 北京协和医学院-中国医学科学院 Mechanism of mTOR mediated Tumorigenesis
10:00 – 10:10	**Yu Ning Sun (孙玉宁),** 宁夏医科大学基础医学院 The infection and viral DNA replication of Bocavirus minute virus of canine in permissive cells and non-permissive cells

Introduction of Organizers and Invited Speakers

(Organizers - *Chairperson:*)

Professor Tao SUN

President, Ningxia Medical University

Professor Sun Tao, is the president of Ningxia Medical University, professor and chief surgeon in neurosurgery, postgraduate tutor, PhD tutor, Director of Key Laboratory of Brain and Skull Diseases in Ningxia. He was born in Jan. 1957, and got his Bachelor Degree from Ningxia Medical College, Master Degree from Capital Medical University and one-year overseas study in Yamagata University of Japan. He is a member of Chinese Medical Association, member of the neurological surgery branch of Chinese Medical Association, member of Chinese stereotactic neurosurgery branch and functional neurosurgery committee, vice President of Ningxia Medical Association and the Chairman of neurosurgery branch, vice chairman of the Science Association of Ningxia, and as a member of editorial board for more than 20 kinds of medical journals, such as the "Chinese Medical Journal", "Chinese Neurosurgery Journal", etc. As the leading person in neurosurgery in Ningxia, Prof. Sun Tao has high attainments in central nervous system tumor surgery, microscopic neurosurgery and functional neurosurgery etc, and he started quite a few new clinical practices in the field of neurosurgery in Ningxia. Currently, he is in charge of initial-stage special research of "973" project - national key basic research development plan, and many other research programs, including that of National Natural Science Funds, the Sci-tech research program of the Autonomous Region and Natural Science Funds, etc. In recent years he has published more than 120 academic theses at home and abroad. In addition, he is the chief editor of 2 treaties on neurosurgery and participated in 7 treaties, and chief editor in the complication of 5 teaching materials for universities. Owing to his outstanding performance and achievements, he has been awarded over 20 various provincial level prizes (including 3 first prize and 7 second prize in Sci-tech progress of the Region). Prof. Sun Tao has been selected "National key talents project in the new century", and awarded Special Subsidy from our State Council. He was the winner of "Excellent Sci-tech worker" of Ningxia in 1998, the "Young and Middle-aged experts with Outstanding Contributions" of Ministry of Health, "9·10" Medal by Workers Union of the Autonomous Region In 2003, "National 5·1 Labor Medal" by the National Federation of Trade Unions in 2004 and "National Advanced Worker" by the State Council In 2005. In 2005, he was awarded "2nd Outstanding Contribution Prize in Western Development" by China Scientific Workers Association, the "Wang Zhongcheng Neurosurgeon Achievement Prize" by China Neurosurgeons Association in 2007 and "Professional Talent with their Outstanding Contribution Prize of Ningxia" by the Party Committee and Government of the Autonomous Region.

Professor Hsiao Chang CHAN

Li Ka Shing Professor of Physiology

Director, Epithelial Cell Biology Research Centre

The Chinese University of Hong Kong

Professor Hsiao Chang Chan received her B. S. in Bioengineering (1983) and Ph.D. in Biophysics (1988) from the University of Illinois, Urbana-Champaign (USA) and went on her postdoctoral training at the University of Chicago (1989-1993). She joined the Department of Physiology, Faculty of Medicine at the Chinese University of Hong Kong in 1993 and is currently Professor of Physiology. She also holds visiting professorships or honorary positions at over 14 institutions / universities in mainland China. Professor Chan has broad interests in epithelial cells related interdisciplinary research, including reproductive tract functional genomics, epithelial transport and signaling mechanisms, epithelial-derived cancer metastasis, epithelial differentiation of stem cells as well as epithelial-mediated mucosal immune defense mechanisms. She has contributed significantly to a number of important discoveries, including a cell shrinkage-activated cation channel (*Science* 1992), a novel defensin molecule in the epididymis and its role in sperm maturation (*Science* 2001, *Nature Cell Biology* 2004), the role of CFTR in male and female fertility and infertility (*Nature Cell Biology* 2003, *PNAS* 2007). She has received a number of prestigious awards including the National Natural Sciences Award of China (1997, 2008), Distinguished Young Investigator (National Science Foundation of China, 2000), Croucher Senior Research Fellowship (2007) and Chang Jiang Scholars Achievement Award (2008).

(Organizers - *Vice-Chairperson:*)

Professor Jianzhong ZHANG

Vice President, Ningxia Medical University

Zhang Jianzhong, Professor, Ph.D., is Vice President of Ningxia Medical University and PhD tutor. He was born in 1957, obtained medical degree from Xi'an Jiaotong University in 2006. He mainly engaged in teaching pathology, clinical pathology, teaching management and research work, now. He was identified as Century autonomous region leading scholars in 1997, and 2001 was identified as the national "100 million Talent Project" third level candidates. Meanwhile, he was identified as seventh committee member of Pathology Branch of Chinese Medical Association, the Committee member of Chinese Anti-Cancer Association Professional Committee of tumor pathology, and the chairman of the Ningxia pathology committee. Till now, he has completed a large number of pathological Courses for Undergraduate Students, College Students and graduate Students, be capable of set up classes independently. He had achieved success in the teaching research, tried to explore a variety of teaching methods (such as problem-centered teaching, study guide instruction, *etc.*). The teaching reform projects he Presided or participated in was given second prize of National Teaching Achievement Award and the autonomous region-level teaching achievement awards first prize, respectively. As Director of Pathology of Ningxia Medical College Hospital, he undertakes the difficult pathological consultation and technical training for the entire Province and some surrounding areas. In scientific research, he has total committed and participated 3 of the National Natural Science Foundation issues, undertaken and completed 10 other research projects including regional Natural Science Foundation and Science and Technology Commission. He has obtained 7 regional-level scientific research results and published more than 50 research papers in Core journals of China, 3 were SCI papers.

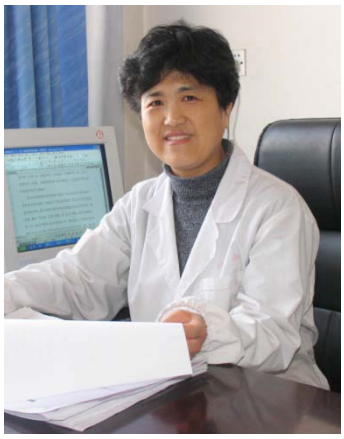
Professor Yinxue YANG

President, Affiliated Hospital of Ningxia Medical University

Prof. YANG Yinxue, President of the affiliated hospital and clinical school of Ningxia Medical University and PhD tutor. Editor of Chinese Journal of Hospital Administration; Vice-president of Ningxia medical association; Member of standing committee of Chinese Society of Surgery. He has received a number of awards including the first grade of Science and Technology Advancement Prize awarded by the government of Ningxia in 2004 and 2008; the second grade of Science and Technology Advancement Prize awarded by the government of Ningxia in 2003 and the second grade excellent paper of natural science in Ningxia. Honorable Titles including winner of state council special subsidy; the member of “313 Talent Project” in Ningxia; May 1 labor medal of Ningxia; advanced workers of

national health system; national excellent hospital director and excellent party member in the prevention and treatment of SARS.

Prof. Yanrong WANG



Director, Basic Medical College of Ningxia Medical University, PhD tutor of Anatomy,

Prof. WANG was graduated from Capital Medical University with a Master degree in 1988. Now she is Dean of the Basic Medical Collage of Ningxia Medical University, Director of Key laboratory of Fertility Preservation of Province and Ministry Co-contribution Board Member of Chinese Society for Anatomical Sciences in the specialty of Histology and Embryology, Group Member of National Continuing Medical Education Committee, Permanent Members of Chinese Society for Cell Biology, division of medical cell biology; Council Member of the 6th Council of China Zoological Society, division of reproductive biology. She has been rewarded the special allowance from State council. Professor Wang has been engaged in the cryobiological study in the field of reproductive project, made great achievements in the cryopreservation of mammal embryo, human sperm and fetal ovary tissues for 20 years. In past 10 years, she has been 5 scientific and technological Advancement Prize awarded by the government of Ningxia, published more than 50 research papers, in which 3 papers have been collected by SCI, and edited 2 scientific books.

(Invited speakers:)

Prof. Wai Yee CHAN

Professor of Biomedical Sciences
Director, School of Biomedical Sciences,
Faculty of Medicine,
The Chinese University of Hong Kong

Chan Wai-Yee obtained his B.Sc. from the Chinese University of Hong Kong in 1974 and Ph.D. in Biochemistry from the University of Florida, Gainesville, Florida in 1977. After a two year Genetics fellowship, he joined the Department of Pediatrics at the University of Oklahoma Health Science Center in Oklahoma City, Oklahoma, first as an Assistant Professor and then a tenured Associate Professor. In 1987-1989, he was also appointed to be Associate Member, Oklahoma Medical Research Foundation, Oklahoma City. He became Professor, Department of Pediatrics, Georgetown University, Washington, DC in 1989. He remained there as a tenured Professor of Pediatrics and Adjunct Professor of the Departments of Biochemistry, Molecular and Cellular Biology till October, 2009. He also served as Chief of the Division of Genetics and Metabolic Diseases from 1998-2000 and Director of the Molecular Genetics Diagnostic Laboratory from 1993-2000, at Georgetown University Medical Center. In 2001, he was seconded to the National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) to found the Laboratory of Clinical Genomics. He was appointed as Head and Principal Investigator of the Section on Developmental Genomics, NICHD, in January 2006 while taking a leave of absence from Georgetown University. He assumed his current position as Professor of Biomedical Sciences and Director of the School of Biomedical Sciences, Faculty of Medicine, the Chinese University of Hong Kong in June of 2009.

Prof. Chawnshang CHANG

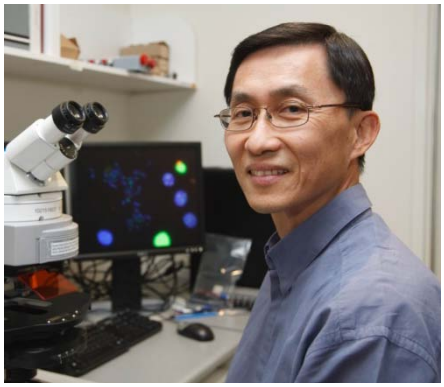
George Whipple Distinguished Professor,
Departments of Urology and Pathology,
University of Rochester, Rochester, New York

Dr. Chawnshang Chang's research focuses on the **Androgen Receptor (AR**) and TR2/TR4-TR3 Nuclear Receptors he cloned in 1988. His pioneer cloning of human and rat Androgen Receptor (Science-1988) represents the landmark discovery in the androgen-AR field that allows Urologists for the first time to monitor the AR status of processing prostate cancer and dissect the mechanisms for failure of androgen deprivation therapy. Dr. Chang then discovered the first AR coregulator (1996-PNAS) that lead to subsequent findings of more than 100 such

coregulators and their function in the modulation of Androgen-AR functions in various diseases. In 2002 Dr. Chang's lab generated the first floxed AR mouse (PNAS-2002) that could knockout AR in a selective cell, which then led to the discoveries of AR pathophysiological functions in many diseases, such as SBMA-Neuro Disease (Nature Medicine-2007), Male-Female Fertility (PNAS-2004), Metabolosm Syndrome (Diabetis-2005), Neutropenia (JEM-2009), Bladder Cancer (JNCI-2007), Breast Cancer (JEM-2003), Liver Cancer (Gastroenterology-2008), Wound Healing (JCI-2009). By knockout AR in individual cell of prostate, Dr. Chang's lab then discovered AR could play dual roles in prostate: being an suppressor to CK5-basal intermediate epithelial cell, an survivor to CK-8 luminal epithelial cell and a proliferator to stromal cell (PNAS-2008). These findings of differential AR roles in individual cells of prostate not only help to explain why androgen deprivation therapy via systematic suppression androgen would fail, it also help to develop new drugs (Nature Medicine-2007, and Paper in Preparation) to target AR in selective prostate cell to battle prostate cancer. Dr. Chang published 302 papers in the AR-Urology field and trained more than 110 Ph.D. students/post Drs.; over 60 of his trainees are now professors in various Universities.

Prof. KH Andy CHOO

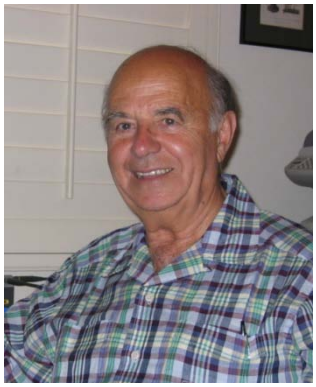
Director, Laboratory and Community Genetics Theme;
Head, Chromosome and Chromatin Research Laboratory;
Fellow of the Australian Academy of Science;
Murdoch Childrens Research Institute,
Department of Paediatrics, University of Melbourne,
The Royal Children's Hospital



Professor Andy Choo did his PhD in genetics at The University of Melbourne, Australia. His postdoctoral work at Oxford University led to the first cloning of the human blood clotting factor IX gene that is defective in Haemophilia B patients. Following a further postdoctoral study at the University of California in San Francisco, he returned to the Murdoch Childrens Research Institute in Melbourne where he started his present Chromosome & Chromatin Research Laboratory. His research interest covers different aspects of the chromosomes, in particular the centromere. His work has led to the discovery of the neocentromere phenomenon and new insights into a number of key centromere- and chromosome-related mechanisms. He has published 2 books and 180 research articles and, with >6500 citations, is recognised by The ISI Web of Knowledge as one the world's Highly Cited Scientists. He is Director of the Laboratory and Community Genetics Theme at the Murdoch Childrens Research Institute, a Senior Principal Research Fellow of the Australian National Health and Medical Research Council, and a Fellow of the Australian Academy of Science.

Prof. Ricardo MILEDI

Academician, National Academy of Sciences, USA
Distinguished Professor of Neurobiology and Behavior
University of California, Irvine
Investigador Extraordinario,
Instituto de Neurobiologia,
Universidad Nacional Autonoma de Mexico.



Prof. Ricardo Miledi is a Distinguished Professor of Neurobiology and Behavior at UC Irvine and also Investigador Extraordinario at the Instituto de Neurobiologia, Universidad Nacional Autonoma de Mexico. Prof. Miledi's research focuses on synaptic physiology and molecular neurobiology and neurotransmitter receptor function. Prof. Miledi was born in Mexico City in 1927 and was educated in Mexico. He received his medical degree from the Autonomous National University of Mexico. He held a fellowship at the Marine Biological Laboratories in Woods Hole, Mass. and was a Rockefeller Foundation Fellow at the John Curtin School of Medical Research in Canberra, Australia. From 1958 until becoming a distinguished professor at UCI in 1985, he was a faculty member at University College London, where he headed the department of biophysics. The only Mexican-born scientist to be a member of Great Britain's Royal Society and in 1999 was awarded the society's Royal Medal in recognition of his discoveries in the cellular physiology of the nervous system. He is a recipient of the King Faisal Foundation International Prize for Science and is a member of the U.S. National Academy of Sciences, the American Academy of Arts and Sciences and the Mexican Academy of Medicine as well as the Mexican Academy of Science. He also is a fellow of the American Association for the Advancement of Science.

Prof. Ming-Jer TANG

Vice President of Academic Affairs and Distinguished Professor,
Department of Physiology,
National Cheng Kung University Medical College,
Tainan, Taiwan

Ming-Jer Tang, M.D., Ph.D., Vice president of Academic Affairs and Distinguished Professor of Physiology, National Cheng Kung University Medical College, Tainan, Taiwan. Prof. Tang received M.D. from Taipei Medical College, Taipei, Taiwan in 1980 and Ph.D. in Physiology from University of Michigan, Ann Arbor, Michigan in 1987. After PhD degree at UM, Prof. Tang worked at UM and University of Southern California Medical School for 3 years as a Post-doctoral Fellow. He came back to his home town and joined National Cheng Kung University in 1990. He was Associate

Professor from 1990 to 1996, Professor from 1996 to 2002, and Distinguished Professor since 2002 in Department of Physiology, National Cheng Kung University Medical College. Prof. Tang's research and teaching interests are in renal physiology, cell and molecular Biology, tissue engineering and regenerative medicine He has conducted research by employing 3-dimensional cultures (collagen gel) to study cystogenesis and branching tubulogenesis for the understanding of kidney development and pathogenesis of kidney diseases. His laboratory is also the world expert in unraveling the function of two collagen receptors, i.e. $\alpha 2\beta 1$ integrin and DDR and the interactions between $\alpha 2\beta 1$ integrin and DDR. Currently, Prof. Tang's research focus is using nanotechnological approach, such as atomic force microscope, to explore mechanobiology of cancer and fibrosis of the tissues. Prof. Tang has a long term experience in academic administration. He was Executive Vice Dean of National Cheng Kung University Medical College from 2001-2007 and has been Vice President of Academic Affairs for National Cheng Kung University since 2007. He has obtained several awards and honors, including National Science Council Outstanding Research Award (2003), Wang Ming-Ning Outstanding Medical Research Award (2005), Distinguished Alumnus of Academic Achievement, Taipei Medical University (2007) and NSC Distinguished Research Grant Award (2008-2011).

Prof. Axell ULLRICH

Director,
Department Molecular Biology,
Max Planck Institute of Biochemistry,
Germany

Axel Ullrich is Director of the Department of Molecular Biology at the Max Planck Institute of Biochemistry in Martinsried, Germany, and Research Director of the Singapore OncoGenome (SOG) project for the **Institute of Medical Biology** at the Singapore Agency for Science, Technology, and Research (A*STAR). Axel Ullrich trained as a biochemist at the Eberhard Karls University in Tübingen, Germany, and was awarded his PhD in molecular genetics by the Heidelberg University in Heidelberg, Germany, in 1975. After a postdoctoral tenure at the University of California in San Francisco, CA, USA, he joined Genentech, where his work led to the development of insulin isophane (currently marketed as Humulin® by Lilly Diabetes) – the first gene technology-based therapeutic – and trastuzumbab (Herceptin®) – the first target-directed oncogene-based cancer treatment. In 1988 he became Director of the Department of Molecular Biology at the Max Planck Institute for Biochemistry, where the identification of VEGFR2 as a critical receptor for tumour angiogenesis led to the development of Sunitinib (Sutent® by Pfizer Oncology), a multi-targeted kinase inhibitor used in the the treatment of kidney cancer and gastrointestinal stromal tumours. Professor Ullrich is a leader in molecular medicine worldwide, translating basic science.discoveries into clinical applications. For his achievements he received numerous honours and awards, including the Robert

Koch Prize (2001), the King Faisal International Prize for Medicine (2003), the Dr. Paul Janssen Award for Biomedical Research (2009) and the Wolf Prize for Medicine (2010). With more than 80 000 citations of his 500 publications he is one of the 10 most highly cited scientists worldwide.

Prof. Hongyang WANG

Academician, the Chinese Academy of Engineering
Professor and Director,
International Cooperation Laboratory on Signal Transduction,
Eastern Hepatobiliary Surgery Institute/Hospital, Shanghai

Prof. Hongyang Wang, born in 1952, received her master's degree from Second Military Medical University, China in 1985; doctor's degree from University Ulm, Germany in 1992.She worked in Max-Planck Institute of Biochemistry, Germany as post Dr. and then as PI from 1992 to 1998. She became director of International Cooperation Laboratory on Signal Transduction in 1997 and director of Department of Clinical Treatment II in 1999. And in 2005, she was elected as member of Chinese Academy of Engineering. Her major interests are molecular mechanisms of tumors, especially the cell signaling of human hepatocarcinoma (HCC) and the relative clinical applications. She has screened a set of novel biomarkers and developed monoclonal antibodies for HCC; cloned several new HCC related genes and clarified their functions; reported the abnormal signaling of oncogene p28Gank and Signal Regulatory Protein (SIRP) in HCC which provided new targets for the prevention and treatment of HCC; isolated and identified new tyrosine phosphatase PCP-2 and discovered regulatory signaling pathway of PCP-2 with of β-catenin; first clarified the effect of tyrosine phosphatase on Wnt signaling. She has published more than 100 papers in the important international magazines such as *J. Experiment Medicine, Gastroenterology, Hepatology, Cancer Res., Nature, Oncogene, J.B.C. etc.*

Prof. Huanming YANG

President, Beijing Genomics Institute (BGI),
China

Prof. Yang received his Ph.D. from University of Copenhagen, Denmark, in 1988. As the co-founders of BGI, he and his collaborators have made a significant contribution to the HGP and HapMap projects, as well as to sequencing and analysing genomes of rice, chicken, silkworm, giant panda, cucumber, and many microorganisms. BGI has published the first Asian's genome, human

pan-genome, human ancient genome, and human gut metagenoms by means of new-generation sequencing technoloty and innovative bioinformatic tools recently in *Science, Nature* and other internatioanlly prestigious journals. BGI now has become one of the major genomics centers in the world. Prof. Yang has received many awards and honors, including Research Leader of the Year by *Scientific American* in 2002 and Award in Biology by the *Third World Academy of Sciences* (TWAS) in 2006. He was elected as a foreign member of EMBO in 2006, an academician of Chinese Academy of Sciences in 2007, a fellow of TWAS in 2008, a foreign academician of Indian Academy of Sciences in 2009.