

May 6-9, 2011

Shanghai University, Shanghai, China

**The 3rd APPA Conference in conjunction
with the 3rd Symposium of the CPS**

Protein and Beyond



The Program

Secretariat

The 3rd APPA Conference in conjunction with the 3rd Symposium of the CPS

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www.APPAconference2011.org

www.shu.edu.cn/APPAconference2011



A Welcome Message

“It is always a pleasure to greet a friend from afar.”

有朋自远方来，不亦乐乎！

Dear Friends,

Welcome to the 3rd Asia Pacific Protein Association (APPA) Conference!

The first APPA Conference was held in Yokohama, Japan (April 14-18, 2004) and the second in Cairns, Australia (June 22-26, 2008). This meeting is unique by being co-organized by APPA and The Protein Society. Outstanding speakers of this meeting not only come from the Asia Pacific area, but also from North America and Europe. Meanwhile, to provide a forum for the young scholars, a special student/postdoc session is organized, with the speakers selected from those who have submitted abstracts.

This conference is held on the campus of Shanghai University. I hope this will not only reduce our expenses, but also allow the students of this university to benefit from this event.

As a tradition of the Chinese Protein Society symposium, we will organize a concert of classic foreign and Chinese music, performed by the Shanghai Song and Dance Ensemble. I strongly believe that science and arts share many similar features and hope our protein scientists will enjoy this special program.

To celebrate the 100th anniversary of the Biochemical Society (of UK), a satellite Joint Sino-UK Protein Symposium, co-sponsored by the Biochemical Society and the Chinese Protein Society, is held in partial overlapping with the 3rd APPA Conference.

As the Chair of the Organizing Committee of the 3rd APPA Conference and the Co-chair of the Joint Sino-UK protein symposium, I warmly welcome you for your participation on these two occasions. As Confucius, an ancient Chinese educator and philosopher lived over 2000 years ago, once said, “It is always a pleasure to greet a friend from afar.”

Enjoy your stay in Shanghai and China.

Chih-Chen Wang (王志珍)

Institute of Biophysics, Chinese Academy of Sciences, Beijing, China

Chair of the Organizing Committee of the 3rd APPA Conference

Co-chair of the Organizing Committee of the Joint Sino-UK protein symposium

President of the Chinese Protein Society

The Organizing Committee

Chair

Chih-Chen Wang(王志珍), President, Chinese Protein Society; Inst. Biophysics, CAS, China.

Co-Chairs

Daniel Raleigh, President, The Protein Society; State University of New York, USA.
Zihe Rao(饶子和), President, Chinese Society of Biophysics; Nankai University, China

Members (listed alphabetically by surname)

Fumio Arisaka, Tokyo Institute of Technology, Japan.
Jean Baum, Rutgers University, USA.
Wolfgang Baumeister, Max Planck Institute of Biochemistry, Germany.
Tom Blundell, Cambridge University, UK.
Juliet A. Gerrard, University of Canterbury, New Zealand.
Yuji Goto, Osaka University, Japan.
Kyou-Hoon Han, Korea Research Institute of Biosci. and Biotechnol, Korea.
Kunihiro Kuwajima, National Institutes for Natural Sciences, Japan
Jooyoung Lee, Korea Institute for Advanced Study, Korea.
Po-Huang Liang, Inst. Biological Chemistry, Academia Sinica, Chinese Taipei.
Alex Law, Nanyang Technological University, Singapore.
Nina Moor, Institute of Chemical Biology and Fundamental Medicine, Russia.
Haruki Nakamura, Osaka University, Japan.
Raymond S. Norton, Monash University, Australia.
Ch. Mohan Rao, Centre for Cellular and Molecular Biology, India.
Nikolay Shelud'ko, Institute of Marine Biology, RAS, Russia.
Yigong Shi, Tsinghua University, China.
Richard J. Simpson, Ludwig Institute for Cancer Research & La Trobe University, Australia.
Jisnuson Svasti, Mahidol University, Thailand.
Enduo Wang, Shanghai Institute of Biological Sciences, CAS, China.
Mingjie Zhang, Hong Kong University of Science and Technology, Hongkong, China.

Secretary-General

Zengyi Chang (昌增益), President-elect and Secretary-General, Chinese Protein Society; Peking University, China.

Executive Secretary-General

Genxi LI (李根喜), Deputy Secretary-General, Chinese Protein Society; Shanghai University, China.

Steering Committee Members of the Asia Pacific Protein Association (APPA)

Australia	Raymond S. Norton Richard J. Simpson	Monash University Ludwig Institute for Cancer Research & La Trobe University
China	Zengyi Chang Yongzhang Luo	Peking University Tsinghua University
Chinese Taipei	Po-Huang Liang Yun-Ru (Ruby) Chen	Academia Sinica Academia Sinica
India	Mohan Rao	Centre for Cellular & Molecular Biology
Japan	Dinakar Salunke Yuji Goto(President) Haruki Nakamura Fumio Arisaka	National Institute of Immunology Osaka University Osaka University Tokyo Institute of Technology
Korea	Young Kee Kang Kyou-Hoon Han	Chungbuk National University Korea Res. Inst. of Biosci. & Biotech. (KRIBB)
Malaysia	Raja Noor Zaliha Raja Abd. Rahman	Universiti Putra
New Zealand	Juliet A. Gerrard Kurt L Krause	University of Canterbury Otago University
The Philippines	Lemmuel Tayo	Mapua Institute of Technology
Singapore	Jianxing Song Alex Law	National University of Singapore Nanyang Technological University
Thailand	Jisnuson Svasti James R. Ketudat-Cairns	Mahidol University Suranaree University of Technology
Vietnam	Phan Van Chi	Vietnam Acad. of Sci. & Tech. (VAST)

Council of the Chinese Protein Society

(2011-2016)

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Beijing Normal University (Beijing):	Qun Wei (魏群)
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	Liwen Niu (牛立文), Jianye Zang (臧建业)
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	Ruiming Xu (许瑞明), Jiangyun Wang (王江云)
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	Bin Xia (夏斌), Xinsheng Zhao (赵新生), Luhua Lai (来鲁华)
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	Enduo Wang (王恩多), Lin Li (李林), Jianping Ding (丁建平), Hongyu Hu (胡红雨)
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	zhixin Wang (王志新), Jijie Chai (柴继杰)
Wuhan University (Wuhan):	Yi Liang (梁毅)
Xiamen University (Xiamen):	Shengcai Lin (林圣彩), Jiahuai Han (韩家淮)
	Qingxi Chen (陈清西)
Zhejiang University (Hangzhou):	Xinhua Feng (冯新华)

Organizers & Sponsors

Organizers:

Asia Pacific Protein Association



The Protein Society



Host:

The Chinese Protein Society



Sponsors:

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The Ministry of Science and Technology of PRC



Chinese Academy of Science



Shanghai Municipal Government, PRC



Shanghai University





May 5, 2011 (Thursday)

14:00-16:00

Executive council meeting of the Chinese Protein Society
Venue: Room 800, School of Life Sciences, Shanghai University

17:00-19:00

Steering Committee meeting of the Asia Pacific Protein Association (APPA)
Venue: Room 800, School of Life Sciences, Shanghai University

May 6, 2011 (Friday)

Registration

9:00-21:00 (also 7:30-18:00 on May 7-8 at the same location)
Venue: Lobby, WeiChang Building (伟长楼), Shanghai University

12:00-13:30

Lunch, Shanming Cafeteria (山明楼), Shanghai University

Afternoon

Student/postdoc session

Chair: Jiangyun Wang (王江云), Institute of Biophysics, Chinese Academy of Sciences

Venue: The Lecture Hall of the Library, Shanghai University

13:30-13:40

Yuichi Yoshimura, Osaka University, Japan

Title: Direct observation of minimum-sized amyloid fibrils using solution NMR spectroscopy

13:40-13:50

Chao Wang, Institute of Biophysics, Chinese Academy of Sciences (Beijing)

Title: Conformational plasticity of human protein disulfide isomerase for its function

13:50-14:00

Shukun Luo, China Agricultural University (Beijing)

Title: Phosphorylation-dependent dimerization of forkhead-associated domain regulates MDC1 function in response to DNA damage

14:00-14:10

Su Qin, University of Science and Technology of China (Hefei)

Title: Recognition of unmodified histone H3 by BRPF2-PHD1 regulates histone acetyltransferases MOZ/MORF

14:10-14:20

Yongqi Huang, Peking University, China

Title: Nonnative Interactions in the Binding Process of Intrinsically Disordered Proteins: Implication for Interaction Promiscuity and Aggregation

Chair: Jiangyun Wang (王江云), Institute of Biophysics, Chinese Academy of Sciences

14:25-14:35

Cheng Zhu, Peking University, China

Title: Introducing Zinc Binding Site into De Novo Designed Proteins

14:35-14:45

Fan-Lou Kong, Wuhan University, China

Title: β 2-Microglobulin modified with advanced glycation end products forms globular aggregates with high cytotoxicity through a ROS-mediated mechanism

14:45-14:55

Ping Cao, State University of New York at Stony Brook, USA

Title: Switch Peptides Provide A Simple Method for Preparing Monomeric Islet Amyloid Polypeptide and Facilitate Investigations

of Amyloid Formation Mechanism

Chair: Masafumi Yohda, Tokyo Univ. Agriculture & Technology, Japan

15:05-15:15

Anupong Tankrathok, Suranaree University of Technology,
Thailand

Title: Molecular Basis for Substrate Preference in Plant Glycoside
Hydrolase Family 1-D-Mannosidase/-D-Glucosidase Isoenzymes.

15:15-15:25

Hu Qiu, Nanjing University of Aeronautics and Astronautics, China

Title: Structural basis of slow water transport in water channel
aquaporin 0

15:25-15:35

Qing Zhou, Institute of biophysics, Chinese Academy of Sciences

Title: Rational design of a functional galactose oxidase mimic with
a myoglobin scaffold

15:35-15:45

Kuo-Chang Cheng, National Tsing Hua University, Chinese Taipei

Title: Crystal structure of Dopamine N-acetyltransferase in complex
with Acetyl-COA from *Drosophila melanogaster* reveals a catalytic
Mechanism

15:45-15:55

Ryuichi Yamaguchi, Kumamoto University, Japan

Title: Structural analyses of a female mice-specific peptide ESP36

15:55-16:15

Sarah Wang (王旭宇), Pall Life Sciences

Title: Mixed Mode Chromatography for Protein Purification

16:15-17:30

Student Poster presentation

Venue: Second floor lobby, WeiChang (伟长楼) Building, Shanghai University

Best student presentation awards Judge Committee:

*Enduo Wang (王恩多), (chair) Shanghai Institute of Biological
Sciences, CAS, China*

Masafumi Yohda, Tokyo Univ. Agriculture & Technology, Japan

Jiangyun Wang (王江云), Institute of Biophysics, CAS, China (Beijing)
Yan Feng (冯雁), Shanghai Jiaotong University, China

17:30-18:00

Opening Ceremony

Venue: The opening ceremony and all other activities described below, if not specified, will be held in the main auditorium of WeiChang Building(伟长楼), Shanghai University

Chair: Zengyi Chang (昌增益), Peking University, China
(President-elect, Chinese Protein Society: Secretary-General, Organizing Committee of the 3rd APPA Conference.)

Speakers:

Xinhui Yu (于信汇), Chancellor, Shanghai University

Chih chen Wang (王志珍), Chair, Organizing Committee of the 3rd APPA Conference; President, the Chinese Protein Society

Yuji Goto, President of Asia Pacific Protein Association (APPA)

Arthur G. Palmer III, Columbia University, USA(former president of the Protein Society)

Zihe Rao (饶子和), Co-chair, Organizing Committee of the 3rd APPA Conference: President, Chinese Biophysical Society.

Xian-En Zhang (张先恩), Director, Basic Research Department, Ministry of Sci. & Technol., China.

18:00-18:40

Chair: Yuji Goto, Osaka University, Japan
(President, Asia Pacific Protein Association)

Keynote lecture 1



Peter Wright, The Scripps Research Institute, USA
(Editor-in-Chief, *J. Mol. Biol.*)

Title: Folding, regulation, and interactions of intrinsically disordered proteins

18:40-20:00

Reception

Venue: Shanming Cafeteria (山明楼) Shanghai University

May 7, 2011 (Saturday)

Morning

8:30-9:10

*Chair: Peter Shepherd, The University of Auckland, New Zealand
(Editor-in-Chief, Biochem. J.)*

Keynote Lecture 2



Tom Blundell, University of Cambridge, UK
(President, the Biochemical Society)
Title: Structural Biology and Drug Discovery:
Modulating Multi-protein Regulatory Assemblies
(*Cosponsored by the 3rd APPA Conference and the Joint Sino-UK Protein symposium*)

Session 1: Protein and Drug Discovery

(This is an overlapping session of the 3rd APPA Conference and the Joint Sino-UK Protein Symposium)

Co-chairs:

*Peter Shepherd, The University of Auckland, New Zealand
(Editor-in-Chief, Biochem. J.)*

Xian-En Zhang (张先恩), Basic Research Department, Ministry of Sci. Tech. China (director)



9:10-9:35

John Overington, University of Cambridge, UK
Title: ChEMBL: An Open Database of SAR and Drug
Discovery Data



9:35-10:00

Po-Huang Liang (梁博煌), Inst. Biological Chemistry,
Chinese Taipei

Title: Targeting Cysteines: from Anti-Virus to
Anti-Cancer Drug Discovery



10:00-10:25

Yongzhang Luo (罗永章), Tsinghua University, China

Title: Targeting blood and lymphatic vessels:
personalized therapy of endostatin



10:25-10:50

Luhua Lai (来鲁华), Peking University, China

Title: Does structural based protein drug design come of
age?

Session 2: Protein biosynthesis, trafficking and quality control

Co-chairs: Raymond S. Norton, Monash University, Australia

Jiahuai Han (韩家淮), Xiamen University, China



11:00-11:25

Lloyd Ruddock, University of Oulu, Finland

Title: Mechanisms and applications of disulfide bond
formation



11:25-11:50

Galina Karpova, Institute of Chemical Biology and Fundamental Medicine, Russia

Title: Human ribosome: structural organization of the functional sites



11:50-12:15

Roberto Sitia, Università Vita-Salute San Raffaele, Italy

Title: Structure and regulated activity of ERp44, a multifunctional chaperone of the early secretory compartment



12:15-12:40

Enduo Wang (王恩多), Shanghai Institute of Biological Sciences, CAS, China.

Title: Modular pathways for editing non-cognate amino acids by human cytoplasmic leucyl-tRNA synthetase

12:40-13:30

Lunch

Venue: Shanming Cafeteria (山明楼), Shanghai University

Afternoon

13:30-14:10

Chair: **Zihe Rao (饶子和)**, Tsinghua University (Beijing);

Nankai University (Tianjin), China.

(President, the Chinese Society of Biophysics)

Keynote lecture 3



Keiji Tanaka, The Tokyo Metropolitan Institute of Medical Science, Japan.

Title: In-depth Study of Structure and Functions of Eukaryotic Proteasomes.

Session 3: Protein folding, structure and dynamics

Co-chairs: Haruki, Nakamura, Osaka University, Japan

Ruby Chen (陈韵如), Inst. Biol. Chem., Academia Sinica, Chinese Taipei



14:10- 14:35

Raymond S. Norton, Monash University, Australia

Title: Malaria surface proteins as vaccine candidates and drug target



14:35-15:00

Jooyoung Lee, Korea Institute for Advanced Study, Korea

Title: Protein Structure Prediction by Global Optimization and its Applications



15:00-15:25

Fumio Arisaka, Tokyo Institute of Technology, Japan

Title: Mechanism of the strict sequential assembly of the baseplate wedge of bacteriophage T4



15:25-15:50

Hon Cheung Lee, University of Hong Kong, China
Title: Structure and functions of a novel calcium signaling enzyme - CD38

Session 4: Protein post-translational modification and activity modulation

Co-chairs: Kunihiro Kuwajima, Okazaki Institute for Integrative Bioscience, Japan (president, Protein Science Society of Japan)
Jianxing Song, National University of Singapore, Singapore



16:00-16:25

Joel Mackay, The University of Sydney, Australia
Title: Structural insights into the mechanisms underlying eukaryotic gene regulation



16:25-16:50

Alex Law, Nanyang Technological University, Singapore
Title: Release of Constraint as a General Mechanism of Protein Activation



16:50-17:15

Tai-Huang Huang (黄太煌), Academia Sinica, Chinese Taipei
Title: Coupling of Sumoylation and Phosphorylation in Daxx-SUMO Recognition and Daxx function



17:15-17:40

Robert Robinson, Institute of Molecular and Cell Biology, Singapore

Title: Actin filaments in eukaryotes and prokaryotes



17:40-18:05

Yunyu Shi (施蕴渝), China University of Science and Technology, China

Title: Structure and dynamics investigation of proteins related with gene regulation

18:05-19:30

Dinner

Venue: Shanming Cafeteria (山明楼), Shanghai University

19:30-21:00

Art Performances

Venue: The main auditorium of the WeiChang Building, Shanghai University

May 8, 2011 (Sunday)

Morning

8:30-9:10

Chair: Yunyu Shi (施蕴渝), China University of Science and Technology, China.

Keynote Lecture 4



Yang Shi (施扬), Harvard Medical School, USA

Title: Histone demethylases: mechanism of action and link to human disease

Session 5: Protein interaction, network and proteomics

Co-chairs: Arthur G. Palmer III, Columbia University, USA
(former president of the Protein Society)

Lin Li (李林), Shanghai Institute of Biological Sciences, CAS,
China



9:10-9:35

Richard J. Simpson, Ludwig Institute for Cancer
Research & La Trobe University

Title: Secretome/Exosome-based proteome strategy for
uncovering novel cancer biomarkers



9:35-10:00

Lemmuel Tayo, Mapua Institute of Technology, The
Philippines

Title: Proteomics and Drug Discovery- the case of
conopeptides



10:00-10:25

Hongzhe Sun, University of Hong Kong, China

Title: Metalloproteomics for identification of
metallodrug binding proteins



10:25-10:50

Jiahuai Han (韩家淮), Xiamen University, China

Title: The p38 pathway in regulation of cell growth

Session 6: Protein machinery and action mechanism

Co-chairs: James R. Ketudat-Cairns, Suranaree University of Technology, Thailand

George Fu Gao (高福), Institute of Microbiology, CAS, Beijing, China



11:00-11:25

Michael Ryan, La Trobe University, Australia
Title: Structural and functional dissection of the mitochondrial Tim9-Tim10 chaperone complex



11:25-11:50

Kunihiro Kuwajima, Okazaki Institute for Integrative Bioscience, Japan
Title: Structural fluctuations and functional expression of the chaperonin GroEL/ES complex



11:50-12:15

Pimchai Chaiyen, Mahidol University, Thailand
Title: Oxygenation Mechanism of p-hydroxyphenylacetate hydroxylase, a Two-component flavin-dependent monooxygenase



12:15-12:40

Ruiming Xu (许瑞明), Institute of Biophysics, CAS, China
Title: Structural study of spliceosome assembly

12:40-13:30

Lunch

Venue: Shanming Cafeteria(山明楼), Shanghai University

Afternoon

13:30-14:10

*Chair: Chih-chen Wang (王志珍), Institute of Biophysics, CAS, China
(President, the Chinese Protein Society)*

Keynote Lecture 5



Wolfgang Baumeister, Max Planck Institute of Biochemistry, Germany
Title: Electron Cryomicroscopy: From Molecules to Systems

Session 7: Protein design and engineering

Co-chairs: Donghai Wu (吴东海), Guangzhou Institute of Health and Medicine, CAS, Guangzhou, China

Richard J. Simpson, Ludwig Institute for Cancer Research & La Trobe University, Australia



14:10-14:35

Wayne Patrick, Massey University, New Zealand
Title: Directed evolution of protein structures and functions



14:35-15:00

Kyeong Kyu Kim, Sunkyunkwan University, Korea
Title: Structural bases for the regulatory mechanisms of proteolytic enzymes

15:00-15:15

Robert Karlsson, GE Healthcare Bio-Sciences AB, Uppsala, Sweden
Title: Improved sensitivity in label free technologies provide new possibilities for structure function studies

15:15-15:30

Ying Wang, Agilent Technologies (China) Co., Ltd., China
Title: Quantification analysis of peptide in plasma digests using Agilent 6490 triple quadrupole LCMS

Session 8: Protein real time and quantitative detection, and single molecule study

*Co-chairs: Jisnuson Svasti, Mahidol University, Thailand
(president, Thailand Protein Society)*

Tao Xu(徐涛), Institute of Biophysics, CAS, China



16:00-16:25

James Chou (周界文), Harvard University, USA;
Affiliation with Peking University, China.
Title: Structure and dynamics of mitochondrial carriers



16:25-16:50

Kyou-Hoon Han, Korea Research Institute of Bioscience and Biotechnology, Korea
Title: Understanding Pre-Structured Motifs (PreSMos) in Intrinsically Unfolded Proteins



16:50-17:15

Joël Janin, Université Paris-Sud, France

Title: Protein-protein binding affinity and conformation changes: a structure/affinity benchmark



17:15-17:40

Won-Ki Huh, Seoul National University, Korea

Title: Comprehensive in vivo analysis of protein-protein interactions in yeast



17:40-18:05

Sen-Fang Sui (隋森芳), Tsinghua University, Beijing, China

Title: Functional oligomerization of DegP (HtrA) on membranes

18:15-20:30

Banquet

Venue: Lake Side, Shanghai University.

May 9, 2011 (Monday)

Morning

8:30-9:10

*Chair: Zhi-Xin Wang (王志新), Tsinghua University, Beijing, China
(president, the Chinese Society of Biochemistry and Molecular Biology)*

Keynote Lecture 6



Sunney Xiaoliang Xie (谢晓亮), Harvard University, USA; Affiliated with Peking University, China
Title: Life at the Single Molecule Level.

Session 9: Protein applications in biotechnology and therapeutics

Co-chairs: Jiarui Wu (吴家睿), Shanghai Institute of Biological Sciences, CAS, China



9:10-9:35

Juliet A. Gerrard, University of Canterbury, New Zealand

Title: Proteins as supramolecular building blocks?



9:35-10:00

Raja Noor Zaliha Raja Abd. Rahman, Universiti Putra, Malaysia

Title: Enhancing properties of locally isolated thermostable enzymes



10:00-10:25

Jisnuson Svasti, Mahidol University, Thailand
(President of the Thailand Protein Society)

Title: Structure-Function Relationships in Thai Plant Beta-Glucosidases



10:25-10:50

Feng Shao (邵峰), National Institute of Biological Sciences, China

Title: Learning eukaryotic signaling mechanisms from bacterial virulence factors

Session 10: Interdisciplinary study of proteins

Co-chairs: Ming Li (李明), Institute of Physics, Chinese Academy of Sciences (Beijing)

Mian Long (龙勉), Institute of Mechanics, Chinese Academy of Sciences (Beijing)



11:00-11:25

Young Kee Kang, Chungbuk National University, Korea

Title: Conformational Preferences and Reaction Mechanisms of Protein Models Studied by Quantum-Chemical Methods



11:25-11:50

Jianxing Song, National University of Singapore, Singapore.

Title: Structural and Dynamical Mediation of the Catalytic Machinery of the SARS 3C-like Protease by its Evolutionarily Acquired Extra-domain



11:50-12:15

John Zenghui Zhang (张增辉), East China Normal University, Shanghai, China

Title: The Effect of Electrostatic Polarization on Structure, Dynamics and Interaction of Proteins

12:40-13:10

Closing ceremony

Chair: Genxi Li (李根喜), Shanghai University, China

(Executive Secretary-General, the 3rd APPA Conference)

Announcing the Best student presentation (oral and poster) awards

Yuji Goto, President of APPA

Chih-chen Wang, President of Chinese Protein Society,

Speakers:

Zhi-Xin Wang (王志新): *President of the Chinese Society of Biochemistry and Molecular Biology*

Yuji Goto, *President of APPA*

Young Kee Kang, *President of Korea Protein Society (host of the 4th APPA Conference)*

Zengyi Chang(昌增益), *New president of APPA*

13:10-14:10

Lunch

Venue: Shanming Cafeteria(山明楼), Shanghai University

Afternoon

14:10-17:00

Excursion

To the site of World Expo Shanghai 2010

15:00-17:00

Science Talks at Shanghai High School (上海中学科普报告)

Chair: ShengChang Tang (唐盛昌), Shanghai High School (principal)

Speakers:



Chih-Chen Wang (王志珍), Institute of Biophysics, CAS, Beijing, China

Title: An old story and its new meaning: the Study of insulin in China (老故事, 新含义: 中国的胰岛素研究)



Zengyi Chang (昌增益), Peking University, Beijing
China

Title: Protein: the magic molecules of Life (蛋白质: 神奇的生命分子)



Jiangyun Wang (王江云), Institute of Biophysics,
CAS, Beijing, China

Title: The "Brilliant Proteins" (奇妙的发光蛋白质)



James Chou (周界文), Harvard University, Boston, USA

Title: The challenges of understanding molecules of life
(认识生命分子的挑战)



Jiarui Wu (吴家睿), Shanghai Institute of Biological
Sciences, CAS, China

Title: Chronic disease and health medicine (慢性病与健康医学)