

# The Third International Symposium for Chinese Medicinal Chemists (ISCMC-2002)

28-31 December 2002  
The Hong Kong University of Science and Technology

## Day 1 (28 December 2002, Saturday)

14:00-21:00 pm	Registration [Academic Concourse]
18:30-21:00 pm	Welcome Reception [University Center, Tin Ka Ping Hall]

## Day 2 (29 December 2002, Sunday)

9:00-9:30 am 9:30-10:15 am	[LTB] <b>Opening ceremony</b> <b>Plenary Lecture PL-1: Prof. Hung-wen Liu</b> <i>Studies of UDP-galactopyranose mutase from Escherichia coli.</i> <i>An unusual role of reduced FAD in its catalysis</i>		Chair: Prof. Chris C. K. Chang
10:20-10:40 am	Tea break		
10:40-11:10 am	<i>Session A-1</i> [LTB] Chair: Prof. Dawei Ma <b>Invited lecture IL-7: Prof. Xiao-Jiang Hao</b> <i>Bioactive compounds from Chinese medicinal plants</i>	<i>Session B-1</i> [LTC] Chair: Prof. Yun-Dong Wu <b>Invited lecture IL-23: Dr. Jun Xu</b> <i>HTS data mining and virtual library analysis</i>	
11:15-11:45 am	<b>Invited lecture IL-8: Prof. Richard K. Haynes</b> <i>Hyperactive peroxidic antimalarials and questions on mechanism of action</i>	<b>Invited lecture IL-10: Prof. Hua-Liang Jiang</b> <i>Aspects of virtual screening in the cycle of drug discovery: Successful stories, prospects and challenge</i>	
11:50-12:20 pm	<b>Invited lecture IL-11: Prof. Xiaoyu Li</b> <i>Immunomodulating natural products from Chinese herbs</i>	<b>Invited lecture IL-25: Prof. Michael M. Yang</b> <i>Integration of functional genomics and cell-based assays for drug discovery from traditional Chinese medicine</i>	

**Day 2 (29 December 2002, Sunday)**

12:30-14:00 pm	Lunch [University Center, Bistro]	
14:00-14:30 pm	<i>Session A-2 [LTB] Chair: Prof. Zong-Ru Guo</i> <b>Invited lecture IL-1: Dr. Jianming Bao</b> <i>Pyrrrolidine modulators of chemokine receptor activity</i>	<i>Session B-2 [LTC] Chair: Prof. Peng George Wang</i> <b>Invited lecture IL-5: Prof. Zhongwu Guo</b> <i>Glycopeptide synthesis with free oligosaccharides as phase tags</i>
14:35-15:05 pm	<b>Invited lecture IL-15: Prof. Dawei Ma</b> <i>Design and synthesis of matrix metalloproteinase inhibitors</i>	<b>Invited lecture IL-19: Prof. Lai-Xi Wang</b> <i>Bioorganic approaches to an effective HIV vaccine</i>
15:10-15:40 pm	<b>Invited lecture IL-18: Prof. Cherng-Chyi Tzeng</b> <i>Synthesis and anticancer evaluation of furoquinolines</i>	<b>Invited lecture IL-28: Prof. Biliang Zhang</b> <i>High-throughput synthesis for anti-HIV and anticancer drug Discovery</i>
15:45-16:05 pm	Tea break	
16:05-16:35 pm	<i>Session A-3 [LTB] Chair: Prof. Zhen Yang</i> <b>Invited lecture IL-14: Dr. Kun Liu</b> <i>Small molecule insulin mimetics with potential utilities as anti-diabetic as well as anti-obesity therapies</i>	<i>Session B-3 [LTC] Chair: Prof. Zhihong Guo</i> <b>Invited lecture IL-12: Prof. Chun-Hung Lin</b> <i>Synthesis of bioactive carbohydrates by glycosidic bond formation</i>
16:40-17:10 pm	<b>Invited lecture IL-24: Dr. Yao-Chang Xu</b> <i>From an idea to a clinical candidate: A search for new treatment of depression using selective 5-HT1A receptor antagonist</i>	<b>Invited lecture IL-16: Prof. Dehua Pei</b> <i>Enzymes for posttranslational protein modification as novel drug targets</i>
17:15-17:45 pm	<b>Invited lecture IL-21: Prof. Yan-Guang Wang</b> <i>Polymer-supported synthesis of heterocycles</i>	<b>Invited lecture IL-20: Prof. Peng George Wang</b> <i>Carbohydrate-based drug development</i>
17:50-18:10 pm	<b>Oral presentation OP-4: Dr. Jason Siu</b> <i>Studies towards the total synthesis of rapamicin</i>	<b>Oral presentation OP-3: Prof. Yong Gao</b> <i>Nanoparticle supports for biological and chemical applications</i>
18:30-20:00 pm	Dinner [China Garden, Ground Floor, Atrium]	
20:00-21:30 pm	Poster presentations [Academic Concourse] Chair: Prof. Wei-Min Dai	

**Day 3 (30 December 2002, Monday)**

9:00-9:45 am	<p>[LTB] Chair: Prof. Henry N. C. Wong  <b>Plenary Lecture PL-2: Prof. Tsann-Long Su</b>  <i>Development of DNA topoisomerase II-mediated anticancer agent: AHMA derivatives</i></p>	
9:50-10:20 am	<p><b>Invited lecture IL-13: Prof. Guo-Qiang Lin</b>  <i>Recent development in the carbon-carbon bond formation: Learn something from natural products</i></p>	
10:25-10:40 am	Tea break	
10:40-11:10 am	<p>Session A-4 [LTB] Chair: Prof. Li-He Zhang  <b>Invited lecture IL-2: Prof. Ji-Wang Chern</b>  <i>Design and synthesis of potential DNA double and triple helices stabilizing agents</i></p>	<p>Session B-4 [LTC] Chair: Yan-Guang Wang  <b>Technical presentation TP-1: Dr. Vijay Gupta</b>  <i>Highly efficient and automated microwave-assisted organic synthesis through coherent synthesis™</i></p>
11:15-11:45 am	<p><b>Invited lecture IL-4: Dr. Daniel T. W. Chu</b>  <i>Recent advance in macrolide antibiotic research</i></p>	<p><b>Invited lecture IL-31: Dr. Xiao-Yi Xiao</b>  <i>High throughput crystallography and structure-based drug discovery</i></p>
11:50-12:20 pm	<p><b>Invited lecture IL-29: Prof. Yi-Hua Zhang</b>  <i>Design, synthesis and anti-inflammatory activity of <math>\alpha</math>-substituted p-(methanesulfonylphenyl)propenoic acid and related compounds</i></p>	<p><b>Invited lecture IL-9: Prof. Ziwei Huang</b>  <i>Protein-protein interactions: Mechanisms, medicinal chemistry, and implications for post-genomic drug discovery</i></p>
12:30-14:00 pm	Lunch [University Center, Bistro]	

**Day 3 (30 December 2002, Monday)**

14:00-14:30 pm	<p><i>Session A-5 [LTB] Chair: Prof. Dehua Pei</i>  <b>Invited lecture IL-3: Prof. Der-Hang Chin</b>  <i>The action of apoprotein in the antitumor antibiotic neocarzinostatin</i></p>	<p><i>Session B-5 [LTC] Chair: Prof. Guo-Qiang Lin</i>  <b>Invited lecture IL-6: Prof. Zong-Ru Guo</b>  <i>Design and synthesis of anti-diabetics based on PPAR-gamma structure and virtual screening of focused library</i></p>
14:35-15:05 pm	<p><b>Invited lecture IL-22: Prof. Zhen Xi</b>  <i>DNA recognition and damage by small molecules at bulge site</i></p>	<p><b>Invited lecture IL-26: Prof. Zhen Yang</b>  <i>Diversity-oriented synthesis and branched reaction pathway applied to natural product-like compounds</i></p>
15:10-15:40 pm	<p><b>Invited lecture IL-17: Prof. Ben Shen</b>  <i>Natural product biosynthesis and prospects of engineering microorganisms for chemical structural diversity</i></p>	<p><b>Invited lecture IL-30: Dr. Jieping Zhu</b>  <i>Development of novel multicomponent domino process for heterocycle synthesis</i></p>
15:45-16:05 pm	Tea break	
16:05-16:25 pm	<p><i>Session A-6 [LTB] Chair: Yi-Hua Zhang</i>  <b>Oral presentation OP-1: Prof. Zongwei Cai</b>  <i>LC-MS application for high-throughput DMPK study in drug discovery</i></p>	<p><i>Session B-6 [LTC] Prof. Cherng-Chyi Tzeng</i>  <b>Oral presentation OP-5: Prof. Ming-Jung Wu</b>  <i>Cytotoxicities and topoisomerase I inhibitory activities of 2-[2-(2-alkynylphenyl)ethynyl]benzotriles, 1-aryl-3-decen-1,5-diyne, and their related bi-enediyne derivatives</i></p>
16:30-16:50 pm	<p><b>Oral presentation OP-2: Prof. Cheng-Bin Cui</b>  <i>Chemical and biological properties of new cell cycle inhibitors and apoptosis inducers from Chinese medicinal herbs</i></p>	<p><b>Oral presentation OP-6: Prof. Ding-Yah Yang</b>  <i>Mode of active of 4-hydroxyphenylpyruvate dioxygenase inhibition by triketone-type inhibitors</i></p>
16:55-17:15 pm	<p><b>Oral presentation OP-7: Prof. Lin Xia</b>  <i>3D-QSAR study on 1-(substituted phenyl)-4-(2-substituted phenoxyethyl)piperazine analogues of <math>\alpha_1</math>-adrenoceptor antagonist</i></p>	<p><b>Oral presentation OP-8: Prof. Zhihong Guo</b>  <i>Biomimetic combinatorial synthesis of cyclic peptide libraries for drug discovery</i></p>
18:30-20:30 pm	Banquet [China Garden, Ground Floor, Atrium]	

**Day 4 (31 December 2002, Tuesday)**

9:00-9:45 am	[LTB] Chair: Prof. Ji-Wang Chern <b>Plenary Lecture PL-3: Prof. Li-He Zhang</b> <i>Chemical syntheses and calcium release activities of N-1-glycosyl substituted cADPR mimics</i>
9:50-10:20 am	<b>Invited lecture IL-32: Prof. Yun-Dong Wu</b> <i>Theoretical study of secondary structures of peptides</i>
10:25-10:45 am	Tea break
10:50-11:20 am	[LTB] Chair: Prof. Richard Haynes <b>Invited lecture IL-27: Dr. Tao Ye</b> <i>Studies toward the total synthesis of pharmaceutically active marine natural products</i>
11:30-12:00 noon	[LTB] <b>Closing ceremony</b>
12:00-13:30 pm	Lunch [University Center, Bistro]
13:30-17:30 pm	Optional tours