

SEVENTH SCIENTIFIC MEETING OF "DANISH-CHINESE  
CENTRE FOR PROTEASES AND CANCER"



第七届中丹水解酶和肿瘤研究中心研讨会

February 22<sup>nd</sup>-23<sup>rd</sup>, 2011

SUZHOU, CHINA



The Danish National Research Foundation  
The National Natural Science Foundation of China  
Fujian Provincial Department of Science and Technology  
FJIRSM, Chinese Academy of Sciences, Fuzhou, China  
Soochow University, Suzhou, China



# Programme

**Monday February 21<sup>st</sup>**

**Arriving in Suzhou; stay at Liverpool Hotel and Holiday Hotel**

**Tuesday February 22<sup>nd</sup>**

**Meeting at Liverpool Hotel Conference Hall**

8:30-9:00      Welcome  
Speakers include: Representatives of Soochow University; the National Natural Science Foundation of China; and The Ministry of Science and Technology of China; the Ministry for Science and Technology of Denmark.

9:00-9:15      Group photo

**Session: The importance of understanding protein structure and function for cancer research**

**Chairpersons: Peter Andreasen and Mingdong Huang**

9:20-9:55      Peter Andreasen  
Proteases in cancer: Prognostic factors and therapeutic targets

9:55-10:30     Qingyu Wu  
Type II transmembrane serine proteases in cancer

10:30-10:45    Coffee break

10:45-11:20    Michael Ploug  
Structure-function studies of a protease receptor

11:20-11:55    Mingdong Huang  
Small molecule protease inhibitors

12:00-1:00     Lunch break

**Session: A protease receptor in cancer biology**

**Chairpersons: Michael Ploug and Yi Wu**

1:00-1:35      Yi Wu  
uPAR and plasma contact system in efferocytosis and procoagulation of apoptotic tumor cells

1:35-2:05      Henrik Gårdsvoll  
Modulating the efficacy of urokinase-type plasminogen activator receptor-dependent formation of lamellipodia in cell culture

2:05-2:35 Lin Yang  
The urokinase-type plasminogen activator receptor and tumor plasticity

2:35-2:50 Coffee break

**Session: Inhibitory strategies - 1**

**Chairpersons: Knud Jensen and Zhuo Chen**

2:50-3:25 Knud Jensen  
Peptide design for biopharmaceutical applications

3:25-3:55 Masood Hosseini  
Chemical synthesis of arginine analogs for protease inhibitors

3:55-4:25 Anna Sigrid Pii Svane  
Conformational forms of a peptidyl serine protease inhibitor

4:25-4:55 Niels Christian Nielsen  
NMR studies of proteins: From liquid- to solid-state NMR

5:00-6:30 Visit Cyrus Tang Hematology Center

7:00 Dinner

**Wednesday February 23<sup>rd</sup>**

**Session: Molecular imaging and therapeutic possibilities**

**Chairpersons: Andreas Kjær and Lin Yang**

8:30-9:10 Andreas Kjær  
Molecular imaging for tailored cancer therapy

9:10-9:40 Morten Persson  
PET imaging of urokinase-type plasminogen activator receptor-containing tumour tissue

9:40-10:10 Quansheng Zhou  
Cancer stem/progenitor cells in vasculogenesis and angiogenesis

10:10-10:30 Coffee break

10:30-11:00 Zhuo Chen  
An effective tumour-targeting photosensitizer for photodynamic therapy

**Guest speaker**

**Chairpersons: Peter Andreasen and Mingdong Huang**

11:00-11:30      Xiao-Dong Su  
A novel mechanism for caspase-7 self-activation and its implication in Alzheimer's disease

12:00-1:00        Lunch break

**Session: Inhibitory strategies - 2**

**Chairpersons: Niels Behrendt and Jacky Ngo**

1:00-1:40         Daniel Dupont  
Selection of nucleic acid aptamers against proteases, their inhibitors, and receptors

1:40-2:10         Kenneth Bøtkjaer  
Antibodies and RNA aptamers inhibiting zymogen activation: Effects on cancer cell invasion

2:10-2:25         Coffee break

**Session: New concepts and approaches**

**Chairpersons: Niels Christian Nielsen and Quansheng Zhou**

2:25-3:00         Niels Behrendt  
Collagen turnover in cancer

3:00-3:30         Jacky Ngo  
Structure of a protease-inhibitor complex: matriptase-sunflower trypsin inhibitor-1 complex

3:30-4:00         Zhonghui Lin  
Structural mechanism of plasminogen activator inhibitor-1 target specificity

4:00-4:30         Benedikte Jacobsen  
C4.4A as a prognostic marker in cancer

4:30- 5:00         Aiwu Zhou  
The crystal structure of renin: angiotensinogen complex and its implications for hypertension

5:00-5:15         Peter Andreasen and Mingdong Huang  
Closing remarks

7:00                 Dinner

**Thursday February 24<sup>th</sup> and Friday February 25th**  
Informal brain-storming meetings

**Saturday February 26<sup>th</sup>**

Departure

## PARTICIPANTS

Participant Name	Email Address
<b>The Ministry for Science and Technology of Denmark</b>	
Bin Zhu	Zhubin@innovationcenterdenmark.cn
Ying yin	
Zhu Zhen	
<b>Academy of Advanced Interdisciplinary Studies, Peking University</b>	
Xiao-Dong Su	su-xd@pku.edu.cn
<b>Department of Molecular Biology, Aarhus University</b>	
Peter Andreasen	pa@mb.au.dk
Zhuo Chen	zhuochen@mb.au.dk
Anni Christensen	anc@mb.au.dk
Daniel Dupont	dmd@mb.au.dk
Kenneth Bøtkjær	ken@mb.au.dk
<b>Finsen Laboratory, Copenhagen University Hospital</b>	
Niels Behrendt	niels.behrendt@finsenlab.dk
Michael Ploug	m-ploug@finsenlab.dk
Henrik Gårdsvoll	gvoll@finsenlab.dk
Benedikte Jacobsen	bjacobsen@finsenlab.dk
Morten Persson	mpersson@finsenlab.dk
<b>Department of Chemistry, Aarhus University</b>	
Niels Christian Nielsen	ncn@chem.au.dk
Anna Sigrid Pii Svane	svane@chem.au.dk
<b>Department of Clinical Physiology, Nuclear Medicine, and PET, Copenhagen University Hospital</b>	
Andreas Kjær	andreas.kjaer@rh.regionh.dk
<b>Department of Basic Sciences, Life Faculty, University of Copenhagen</b>	
Knud J. Jensen	kjj@life.ku.dk
Masood Hosseini	mhos@life.ku.dk
<b>Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou</b>	
Mingdong Huang	mhuang@fjirsm.ac.cn
Zhonghui Lin	zhlin304@163.com
Xiaoming Ye	yexm@fjirsm.ac.cn
Jincan Chen	chenjinc98@gmail.com
Shanyong Zhou	zhoushanyong@gmail.com
Longguang Jiang	jlg@163.com
Zhipu Luo	luozhipu@fjirsm.ac.cn
Baoyu Zhao	byzhao@fjirsm.ac.cn
Yu Wang	Yuwang2012@gmail.com
Peng Xu	baggiexp@hotmail.com
Lingshen Li	Lls850225@163.com
Xu Zhang	Zhangxu.68@163.com
Ping Hu	huping_05@163.com
Haiyang Yu	yhyang198@gmail.com

Rui Li	lirui860620@sina.com
Zhebing Hong	bean_hong@163.com
<b>Cyrus Tang Hematology Center, Soochow University, Suzhou</b>	
Qingyu Wu	wuqy@suda.edu.cn
Yi Wu	wuy@suda.edu.cn
Lin Yang	yanglin@suda.edu.cn
Quansheng Zhou	zhouqs@suda.edu.cn
Xinliang Mao	xingliangmao@suda.edu.cn
Li Zhu	zhul@suda.edu.cn
Jianrong Wang	jrwang@suda.edu.cn
Bin Yin	yinbin@suda.edu.cn
Yun Zhao	zhaoy@suda.edu.cn
Sudan He	hesudan@suda.edu.cn
Changgeng Ruan	changgengruan@hotmail.com
Ningzheng Dong	ningzheng_dong@yahoo.com.cn
<b>Chinese University of Hong Kong</b>	
Jacky Ngo	jackyngo@cuhk.edu.hk
<b>Department of Haematology Cambridge Institute for Medical Research, University of Cambridge</b>	
Aiwu Zhou	awz20@cam.ac.uk



深圳市达科为生物技术有限公司  
DAKEWE BIOTECH CO., LTD.

● **Nucleofector 细胞核转染仪**

专门高效转染神经、原代细胞的高效电转染设备，全球数千篇应用文献支持



● **BMG多功能酶标仪**

针对不同需求的多款高敏多功能酶标仪和浊度仪。



● **ECIS 细胞动态分析仪**

电学原理，实时监控细胞粘附、伸展、屏障功能的创新技术，定量化数据，可长时间监测和数据分析



● **全自动细胞计数分析仪**

简便、客观、准确计数细胞浓度、细胞大小、细胞存活率



**800 830 4366**

**联系方式：** 华北区（北京）：010-52086742/13901043336  
华东区（上海）：021-31357776/13621961422  
华南区（广州）：020-87350260/13430398124  
总 部（深圳）：0755-26410427/26401908 (fax)