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**NN-CAS Get-Together Day** 

**Program**

**Novo Nordisk Research Center China**

**September 25, 2015**

**Information on the Novo Nordisk and**

**the Chinese Academy of Sciences**

**Novo Nordisk**

Novo Nordisk is a global healthcare company with 90 years of innovation and

leadership in diabetes care. The company also has leading positions within

haemophilia care, growth hormone therapy and hormone replacement therapy.

Headquartered in Denmark, Novo Nordisk employs approximately 40,700

employees, of which 18% of the employees are within Research & Development, in

75 countries, and markets its products in more than 180 countries.

In 1997, Novo Nordisk established the first biotechnology R&D center among

multinational pharmaceutical companies in Beijing, China. Novo Nordisk Research

Center China is currently also one of the biggest R&D centers set up by multinational

pharmaceutical companies in China.

For more information please refer to our web page**:** <http://www.novonordisk.com>.cn

**Chinese Academy of Sciences**

Being China’s top academic institution in science and technology and the national

integrated R&D center in natural sciences and high technology, the Chinese

Academy of Sciences has made important contributions to China’s scientific

advancement and social development since its establishment in 1949. It has about

100 research institutes, two universities, and about 60,000 professional staff and

45,000 graduate students.

The Chinese Academy of Sciences engages above all in the basic research, strategic

high technology research and research relevant to the sustainable development of

economy and society, focuses on the solutions to science and technology issues of

fundamental, strategic and forward looking importance in China’s modernization

process, and provides scientific basis and sources of technological means for

promoting the overall sustainable development of China’s economy and society.

For more information please refer to our web page: <http://english.cas.cn> or contact

us at bulletin@mail.casipm.ac.cn

**NN-CAS Get-Together Day**

**Organizer:** Novo Nordisk-Chinese Academy of Sciences Research Fund

**Organizing Committee:**

Novo Nordisk: Prof. Børge Diderichsen, Dr. Baoping WANG, Dr. Fang ZHANG, Dr. Jing SU, Dr. Xujia ZHANG, Mr. Ning WU, Ms. Hao WANG

CAS: Prof. Tao Xu, Prof. Ming-wei WANG, Ms. Dongyao WANG

**Secretariat:** Ms. Dongyao WANG, Mr. Ning WU, Ms. Hao WANG

**Time:** September 25, 2015, 9:00-17:00

**Venue:**  Novo Nordisk Research Center China, Building 2, No.20 Life Science Park Road, Changping District, Beijing 102206, China.

诺和诺德中国研究发展中心, 中国北京市昌平区生命园路20号2号楼，邮编：102206.

Dinner: Loong Palace Hotel

晚餐：龙城丽宫国际酒店, 北京昌平路317号, 京藏高速北安河第16出口



**NNRCC**

**The purposes of the NN-CAS Get-Together Day**

* To inform CAS scientists about Novo Nordisk R&D and Novo Nordisk Research Centre China (NNRCC), and to inform NN scientist about CAS recent development in life science/drug R&D and representative institutions, to increase the general interest in cooperation between both sides.
* To inform about current NN-CAS instruments for funding.
* To present some wishes and ideas for cooperation projects presented by Novo Nordisk scientists and CAS scientists.
* To create networks and facilitate joint applications for 2015 and 2016 Calls.
* To present some success stories from NN-CAS Research Fund.

**Venue**

Novo Nordisk Research Centre China / 诺和诺德中国研究发展中心

**Participants**

Relevant CAS scientists and Novo Nordisk Scientists

**Program Overview**

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| 09:00-09:05 | Welcome (Baoping WANG) |
| 09:05-09:35 | Opening remark & Introduction of CAS recent development in life science/drug R&D (Ruiming XU) |
| 09:35-09:50 | Introduction of NN-CAS Research Fund (Baoping WANG, Fang ZHANG) |
| 09:50-10:50 | Introduction of NNR&D and NNRCC Research areas (Fang ZHANG, Xujia Zhang, Jing SU) |
| 10:50-11:10 | Coffee break |
| 11:10-11:4011:40-12:30 | Presentation of selected CAS institutes (Tao XU, Ming-wei WANG) Presentations of success stories from NN-CAS Research Fund (Dehua YANG, Zhihua LIU)  |
| 12:30-12:40 | Group photo |
| 12:40-13:20 | Lunch |
| 13:20-13:55 | Tour of Dog facility  |
| 14:00-15:45 | Three parallel workshops： |
|  | Track 1: Diabetes and obesity (Ming-Wei WANG, Fang ZHANG) |
|  | Track 2: Discovery platform (Bing SUN, Zhiru YANG) |
|  | Track 3: Technology (protein related)( Tao XU, Xujia ZHANG) |
| 15:45-16:45 | Poster presentations & free discussion |
| 16:45-17:00 | Conclusions (NN-CAS RF Board) |
| 17:30-20:30 | Dinner |

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| **Program** |
| 08:30-09:00  | Registration & coffee |
| 09:00-09:05  | **Welcome** Dr. Baoping WANG, Novo Nordisk Research Center China |
| 09:05-09:35 | **Opening remark & Introduction of CAS recent development in life science/drug R&D**Prof. Ruiming XU, Director General, Bureau of Frontier Sciences, CAS |
| 09:35-9:50 | **Introduction of NN-CAS Research Fund** Dr. Baoping WANG and Dr. Fang ZHANG, NNRCC |
| 09:50-10:50 | **Introduction of NNR&D and NNRCC Research areas** Dr. Fang ZHANG, NNRCC, *Discovery Biology China* Dr. Xujia ZHANG, NNRCC, *E.coli Research China*Dr. Jing SU, NNRCC, *Discovery Technology China*  |
| 10:50-11:10 | **Coffee break** |
| 11:10-11:40 | **Presentation of selected CAS institutes** Prof. Tao XU, Institute of Biophysics, *Biopharmaceutical research at Institute of Biophysics*Prof. Ming-Wei WANG, Shanghai Institute of Materia Medica, *The National Drug Discovery Resource Network – an open innovation platform* |
| 11:40-12:30 | **Presentation of some success stories from NN-CAS Research Fund** |
|  | Prof. Dehua YANG, Shanghai Institute of Materia Medica, *Glucagon receptor structure and conformational states* |
|  | Prof. Zhihua LIU, Institute of Biophysics, *Commensal bacteria direct selective cargo sorting to promote symbiosis*  |
| 12:30-12:40 | **Group photo** |
| 12:40-13:20 | **Lunch** |
| 13:20-13:55 | **Tour of dog facility**  |
| 14:00-15:45 | **Three parallel workshops** |
| **Track 1:** | **Diabetes and obesity** |
| Session Chairs: | Prof. Ming-wei WANG, Shanghai Institute of Materia MedicaDr. Fang ZHANG, NNRCC |
| 14:00-14:10 | Round table introduction |
| 14:10-14:35 | Dr. Zengqiang YUAN, Institute of Biophysics, CAS, *DJ-1 regulates BAT activation and maintains glucose hemeostasis*  |
| 14:35-15:00 | Dr. Yaqiong CHEN, The Institute for Nutritional Sciences, CAS, *The physiological role of CREB/CRTC2 inhibitor in liver metabolism* |
| 15:00-15:45 | Hot topic discussion |
| **Track 2:** | **Discovery platform** |
| Session Chairs: | Prof. Bing SUN, Institut Pasteur of Shanghai Dr. Zhiru YANG, NNRCC |
| 14:00-14:30 | Prof. Bing SUN, Institut Pasteur of Shanghai, CAS, *ECM1 modulates TGF-β activation and inhibits Th17 cell differentiation* |
| 14:30-14:40 | Dr. Tao HUANG, NNRCC, *Antibody Fc and Fc receptor interactions: SPR based analysis for in vitro assessments of effector function and half-life* |
| 14:40-15:10 | Prof. Rui GONG, Wuhan Institute of Virology, CAS, *Engineering of antibody Fc fragment for development of Fc-related therapeutics* |
| 15:10-15:25 | Dr. Xiaoai WU, Protein NNRCC, *Evaluation of in vitro Assembling Technology Enables the Generation of Bi-specific Abs library* |
| 15:25-15:45 | Dr. Lei WANG, NNRCC, *NN6K drug discovery platform*  |
| **Track 3** | **Technology (protein related)** |
| Session Chairs: | Prof. Tao XU, Institute of BiophysicsDr. Xujia ZHANG, NNRCC |
| 14:00-14:30 | Dr. Ran TU, Tianjin Institute fo Industrial Biotechnology, CAS, *Drop-based microfluidics for industrial applications* |
| 14:30-15:00 | Dr. Dengning XIA, Shanghai Institute of Materia Medica, CAS, *Nanoparticle design to improve oral absorption of insulin* |
| 15:00-15:45 | Round table discussion |
| 15:45-16:45 | **Poster presentations & free discussion** |
|  | 1) Dr. Yaqiong CHEN, The Institute for Nutritional Sciences, CAS, *The physiological role of CREB/CRTC2 inhibitor in liver metabolism* |
|  | 2) Yingbo NIU, Institute of Biophysics, CAS, *Activation of Endoplasmic Reticulum Oxidoreductin1 Requires the Non-catalytic Elements of Protein-disulfide Isomerase in Yeast* |
|  | 3) Weiwei FAN, Shanghai Institute of Materia Medica, *Active transport and lysosome-evading dual functional nanocomplexes for oral insulin delivery* |
|  | 4) Xiwu CHEN, NNRCC, *Hydrodynamic Gene Delivery: a swift way of target screening* |
|  | 5) Yeow-Theng James Ooi, NNRCC, *Time Course Correlation Between Plasma Exposure & Liver Expression of Transgene after Hydrodynamic Gene Delivery* |
|  | 6) Kai KANG, NNRCC, *Hepatic Lipid Content Analysis: Histopathology vs Digital Image Analysis Comparison* |
| 16:45-17:00 | **Conclusions** (NN-CAS RF Board) |
| 17:30-20:30 | **Dinner:** Loong Palace Hotel (leave NNRCC for Loong Palace Hotel at 17:15) |

**Note**