Dear Colleagues and Friends!

We are delighted to welcome you to the 2nd Sino-German Symposium on Cardiovascular Genomics in Berlin!

In the time of systems medicine and high-throughput DNA technologies moving genomics from structure to function, we are continuously looking for novel insights into mechanisms of cardiovascular disorders to be able to implement new therapeutic and preventive strategies.

Two years ago, the first Sino-German Symposium on Cardiovascular Genomics was held in Beijing, China. At that successful conference, we decided to continue our meetings aiming at shedding light on most recent and promising research breakthroughs in translational cardiology through cutting-edge technologies and innovations. This year, we are happy to welcome leading cardiologists and scientists from China and Germany at the Max Delbrück Center for Molecular Medicine (MDC) in Berlin, who are going to address most recent achievements in molecular cardiology, systems biology, pharmacology, and physiology. The MDC is one of the eighteen basic science research centers of the Helmholtz Association, the largest scientific organization in Germany. Research at the MDC focuses on translational aspects of several major areas as cardiovascular and neurological disorders, cancer, obesity and metabolism disturbances.

When East and West meet to further systems medicine, there is one place – Berlin. Berlin is not only the capital of Germany. It has become a ‘heart and mind’ for a young, dynamic, and international community offering great opportunities for research, discovery, and innovation.

Wishing you to have productive discussions, ideas for new and fruitful collaborations as well as an enjoyable and unforgettable summer time in Berlin getting together with old good friends and meeting new ones!

Sincerely yours,

Michael Bader
Rutai Hui
Walter Rosenthal
Detlev Ganten
Norbert Hübner
Natalia Alenina

Venue
Max Delbrück Center for Molecular Medicine (MDC)
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The Organisers:
Prof. Michael Bader, MDC
Prof. Rutai Hui, Cardiovascular Institute & Fuwai Hospital at Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing
Prof. Walter Rosenthal, MDC
Prof. Detlev Ganten, Charité Foundation, the World Health Summit
Prof. Norbert Hübner, MDC
Dr. Natalia Alenina, MDC
June 13, 2013, Thursday

9.00h - 9.20h Welcome Greetings
Michael BADER, MDC, Berlin

9.20h - 9.50h Mechanisms of sex differences in cardiovascular diseases and implications for therapy
Vera Regitz-Zagrosek, Berlin

10.20h - 11.20h COFFEE BREAK

11.10h - 12.10h Chair: Rutai Hui, Beijing; Norbert Hüber, Berlin
Multiple mutations predict the prognosis of hypertrophic cardiomyopathy
Hugo Katus, Heidelberg

12.10h - 13.30h LUNCH BREAK

13.30h - 14.30h Chair: Martin Lohse, Würzburg; Jie Du, Beijing
Studies on the renin angiotensin system in transgenic animal models
Hong Zhao, Beijing

14.30h - 15.30h Chair: Stefan Blankenberg, Hamburg; Jie Du, Beijing
Angiotensin related and unrelated actions of ACE2
Stefan Engelhard, Munich

15.30h - 16.00h COFFEE BREAK

16.00h - 17.00h Chair: Vera Regitz-Zagrosek, Berlin; Xin Li, Nanjing
Gene regulation in cardiac development and disease
Xiaohan Fan, Beijing

18.00h - 19.00h Chair: Vera Regitz-Zagrosek, Berlin; Detlev Ganten, Berlin
Inflammation and vascular remodelling
Marc Freichel, Heidelberg

June 14, 2013, Friday

SESSION I
Genetics, Genomics, and Epigenomics in Cardiovascular Diseases

9.00h - 10.30h Chair: Michael Bader, Berlin; Rutai Hui, Beijing
Multiple mutations predict the prognosis of hypertrophic cardiomyopathy
Hugo Katus, Heidelberg

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Marc Freichel, Heidelberg

15.00h - 16.00h Chair: Vera Regitz-Zagrosek, Berlin
Mechanisms of sex differences in cardiovascular diseases and implications for therapy

16.00h - 17.00h Chair: Vera Regitz-Zagrosek, Berlin; Xin Li, Nanjing
Gene regulation in cardiac development and disease

17.30h SPECIAL LECTURE
Roland Hetzer, German Heart Center, Berlin
Innovations in Cardiac Surgery

June 15, 2013, Saturday

SESSION II Functional Genomics in the Post GWAS Era

9.00h - 10.30h Chair: Salim Seyfried, Berlin; Xiaohan Fan, Beijing
Prevention of cardiovascular diseases: the contribution of molecular epidemiology
Tobias Pischohn, Berlin

9.00h - 10.30h Chair: Martin Lohse, Würzburg; Jie Du, Beijing
Studies on the renin angiotensin system in transgenic animal models
Hong Zhao, Beijing

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Angiotensin related and unrelated actions of ACE2
Stefan Engelhard, Munich

14.00h - 15.00h Chair: Norbert Hüber, Berlin; Jun Cai, Beijing
Population genetics - on the way to personalized medicine?
Wei Zhang, Beijing

15.00h - 16.00h Chair: Stefan Blankenberg, Hamburg; Jie Du, Beijing
Angiotensin related and unrelated actions of ACE2
Stefan Engelhard, Munich

16.00h - 17.00h Chair: Stefan Blankenberg, Hamburg; Jie Du, Beijing
Angiotensin related and unrelated actions of ACE2
Stefan Engelhard, Munich

June 15, 2013, Saturday

14.30h - 15.30h Chair: Stefan Blankenberg, Hamburg; Jie Du, Beijing
Angiotensin related and unrelated actions of ACE2
Stefan Engelhard, Munich

15.00h - 16.00h COFFEE BREAK

16.00h - 17.00h COFFEE BREAK

17.00h - 18.00h Chair: Weihua Song, Beijing; Marc Freichel, Heidelberg
Vasoregulation by components of the ROCE (Receptor-Operated Cation Entry)

18.00h - 19.00h Chair: Weihua Song, Beijing; Marc Freichel, Heidelberg
Vasoregulation by components of the ROCE (Receptor-Operated Cation Entry)

19.00h - 20.00h Chair: Weihua Song, Beijing; Marc Freichel, Heidelberg
Vasoregulation by components of the ROCE (Receptor-Operated Cation Entry)