

中国深圳市南方科技大学
SOUTHERN UNIVERSITY OF SCIENCE
AND TECHNOLOGY, SHENZHEN, CHINA
Department of Biology

EURASIAN HEALTH & MEDICINE 2018

2018 年亚欧健康及医学会议
1st International Conference

**Molecular Health -
From Cell to Population**

第一届从细胞到人口的
分子健康国际会议

召集人:王冠宇(中国) 毛有成(德国)
会议秘书:吕沫(中国) 李剑(德国)

Organizers

WANG Guanyu (SUSTech, China)
MAU Jochen (HHU Düsseldorf, Germany)
Conference Scientific Secretaries:
LI Jian (LMU Munich, DE) LÜ (LV) Mo (SUSTech, China)

2nd Symposium Biodynamical Systems

第二届生物动力系统研讨会 发起人: 王冠宇
Initiator: Guanyu Wang, SUSTech, China

2018 年 11 月 03 到 04 日
03 - 04 November 2018
中国深圳市南方科技大学
SUSTech, Shenzhen, China



Московский государственный
университет им. М.В. Ломоносова
Lomonosov Moscow State University

БИОКУБЕРНЕТИКА 2018 БИОКИБЕРНЕТИКА 2018

3rd Russo-German Conference
MultiScale BioMathematics
Coherent Modelling of Human Body System
3-я российско-немецкая конференция
МультиМасштабные Био-
Математические науки
Когерентное моделирование
системы организма человека

Organizers Устроители

acad. prof. CHETVERUSHKIN Boris N. (MSU)
Академик РАН Четверушкин БН
MAU Jochen (HHU) May Й. (ДУГГ)
BOGOMOLOV SV (MSU) Богомолов СВ (МГУ)
MUKHIN Sergey I (MSU) Мухин С.И. (МГУ)

2nd Russo-German "Young Talent" Workshop Mathematical Bio-systems Modeling

07 - 09 ноября 2018г
07 - 09 November 2018
г Москва, МГУ, Россия
Moscow, MSU, Russia



INSTITUT FÜR QUANTITATIVE METHODIK
Privates Akademisches Beratungsbüro für Forschung und Entwicklung, Krefeld, Germany
ИНСТИТУТ КВАНТИТАТИВНОЙ МЕТОДИКИ
数量方法论研究所研发私营学术咨询事务所德国克雷费尔德市

BIG BRAIN 2018

Conference for Eurasian Collaboration In Modeling Human-Body System
Конференция по сотрудничеству в Евразии 2018г

2018 年亚欧地区合作会议

पूर्व-पाश्चात्य जीवविज्ञानम्-2018

2nd Transcontinental Conference GeneSEES Impact 2018

"Comprehensive Understanding of Human Health
and Impact from Person's Life-Sphere Surroundings
in Populations across the Eurasian Landmass"

Organizers

MAU Jochen (HHU Düsseldorf, Germany)
WANG Guanyu (SUSTech, China)
Conference Scientific Secretaries:
LI Jian (LMU Munich, DE) LÜ (LV) Mo (SUSTech, China)

Executives

DAI Yi-Yang, 4th Affiliated Hosp, Zhejiang Univ, Hangzhou, China
GERASIMOV Andrey, Sechenov University, Russia
TIAN Wen-Hua, Fudan University, Shanghai, China
XU Shuhua, SIBS CAS MPG Partner Institute, Shanghai, China
ZHANG Jianhua, ECUST, Shanghai, China

5th "Arbeitstreffen" of German Initiative Biokybernetik: Health Cybernetics - Coherent Control of Health Impacts

Initiator: MAU Jochen, HHU Düsseldorf, Germany

10 - 12 December 2018
TRYP Düsseldorf Krefeld, Germany



BIG BRAIN 2018

TRYP Düsseldorf Krefeld, Germany

GeneSEES Impact 2018

Comprehensive Understanding of Human Health & Impact from Person's Life-Sphere Surroundings in Populations across the Eurasian Landmass
10 - 12 December 2018

Concept

GeneSEES Impact 2018 is a new conference format that aims to advance a comprehensive understanding of health and diseases under *GeneSEES (Genetics, Systems medicine, Environmental exposures, Economic opportunities, and Social embedding)* impact on human body system's cellular material, physio-functional controls, and on person's autonomous steering of his or her operations in variant life-sphere settings of Eurasian populations.

Health Cybernetics aims at integrative views of said factors in a combination across all dimensions, and at concepts for *coherent control of their impact* on a person's body system. It then implies development of *multi-directional and multi-scale control schemes* for which multi-scale models of human-body effectuation dynamics and their cybernetic control are a prerequisite.

Confirmed Invited Speakers

BINKOFSKI Ferdinand RWTH Univ Hosp, Aachen, Germany
DAI Yiyang Internal Medicine, 4th Hospital, Zhejiang Univ, China
DIETRICH Johannes Bergmannsheil Univ Hosp, Bochum, DE
GERASIMOV Andrey Sechenov 1st Med Univ, Moscow, Russia
HESCHELER Jürgen Neurophysiology, U of Cologne, Germany
KHALYAVKIN Alexander Inst Biochem Physics of RAS, Russia
LEONHARDT Steffen Med Inform Eng RWTH, Aachen, DE
MICHALSKI Anatoli Inst Control Sci, RAS, Moscow, Russia
MÜLLER Matthias Systems Theory Control, Univ Stuttgart, DE
PONGRATZ Georg Univ Hospital Düsseldorf, Germany
ROZHNOVA Kseniya Sechenov 1st Med Univ, Moscow, Russia
ROZHNOVA Tatiana Sechenov 1st Med Univ, Moscow, Russia
SIBBEL Rainer School Finance&Manag't Frankfurt, Germany
TIAN Wenhua Social Development, Fudan, Shanghai, China
VILLA Alessandro Université de Lausanne, Switzerland
VUKOJEVIĆ Vladana ClinNeurosci, Karolinska, Solna, Sweden
WAGENPFEIL Stefan Med Biometry, Univ-Hosp, Homburg DE
XU Shuhua CAS MPG Computat Biol, SIBS, Shanghai, China

CONTACT FOR DETAILS

LI Jian 李剑 jianli (at) ibe.med.uni-muenchen.de
MAU Jochen j.mau (at) hhu.de

BIOKYBERNETIKA 2018

Lomonosov Moscow State University,
Moscow, Russia МГУ ЛОМОНОСОВА

3rd Russo-German Conference
MultiScale BioMathematics –
Coherent Modeling of Human Body System
07 - 09 ноября 2018г
07 - 09 November 2018

Concept

BIOKYBERNETIKA is the conference format dedicated to *Multi-Scale BioMathematics*; it then aims to advance *coherent modelling* of human body from an automation-engineering and mathematical systems viewpoint. This involves dynamics of effectuation across several functional levels with highly interwoven control structures. **Kybernetik кибернетика 控制论** is way of thinking that separates functional concept from physical realization, in systems analysis. In clinical medicine, it seeks causes of 'puzzling' syndromes and complex diseases of unknown cause in disorders of the multi-scale controls that maintain the dynamic equilibria in human body physiology system - **Patho-Biokybernetik патобиокибернетика:** расстройства мульти-масштабного управления в сложных заболеваниях **病生物控制论:** 复杂疾病之多尺度调控紊乱 - thus takes *loss of control as a "slow" health hazard*.

Confirmed Invited Speakers

GAMILOV T. Sechenov First Med Univ, Moscow, Russia
HENRION René Weierstrass Institute WIAS, Berlin, Germany
KHOSTIKOV A. Fac.CMC, Lomonosov Univ, Moscow, Russia
KOZLOV V.N. Fac.CMC, Lomonosov Univ, Moscow, Russia
KRYLOV A.S. Fac.CMC, Lomonosov Univ, Moscow, Russia
KURKINA E. Fac.CMC, Lomonosov Univ, Moscow, Russia
MAMAEV N. Fac.CMC, Lomonosov Univ, Moscow, Russia
MOZOKHINA A. Fac.CMC, Lomonosov Univ, Moscow, Russia
ORLOV Yurii N. Keldysh Institute of RAS, Moscow, Russia
PANASENKO Grigory Inst Camille Jordan, Univ de Lyon, France
PARFENOV A. Fac.CMC, Lomonosov Univ, Moscow, Russia
RUBINA A. Fac.CMC, Lomonosov Univ, Moscow, Russia
SHCHEGLOV A.Yu. Fac.CMC Lomonosov Univ, Moscow, Russia
SIMAKOV S. Moscow Inst Physics&Technol, Moscow, Russia
USTINOV V. Fac.CMC, Lomonosov Univ, Moscow, Russia

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Jochen MAU j.mau (at) hhu.de

EURASIAN HEALTH&MEDICINE 2018
SUSTech, Shenzhen, PRC 南方科技大学

1st International Conference

Molecular Health -
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2018 年 11 月 03 到 04 日
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Concept

EURASIAN HEALTH & MEDICINE is a new conference format that aims to advance research into aspects of human health and medicine that are specific for Eurasian populations, and to foster a "EurAsian scientific cooperative" devoted to health-intent research in transcontinentally standardized formats and profile-shaping high-end studies with regional populations of EurAsia.

MOLECULAR HEALTH - FROM CELL TO POPULATION has its focus on a molecular characterization of effects from exposures as *human genome-proteome environment interaction*, and a corresponding profiling of subpopulations who may benefit most or incur extra risks from prevention or from therapeutic intervention in pre-clinical, clinical or post-clinical care. Though mainly dedicated to theory, computational methods, and experimentation in systems biology, topics will also reach out to human life-sphere.

Confirmed Invited Speakers

CHEN Luonan CAS Systems Biology, SIBS, Shanghai, China
FENG Wenting Agricultural Resources CAAS, Beijing, China
HEDRIH Andjelka Mathematical Inst of SASA, Belgrade, Serbia
HESCHELER Jürgen Neurophysiology, U of Cologne, Germany
KOLAR-ANIĆ Ljiljana Physical Chemistry, Belgrade U, Serbia
LAI Yingcheng Electr-Comp-Energy Eng, Arizona State U, USA
RASHEED SA Kabeer Duke-NUS Medical School, Singapore
SHANGERGANESH Lingeswaran Appl Sci, NIT Goa, India
SONI Gautam V Raman Research Institute, Bangalore, India
SUGHIYAMA Yuki Math, Life Sci&Informatics, Tokyo U, Japan
VASILYEVA Nadezda Dokuchaev Soil Science, Moscow, Russia
VASSILEVSKI Yuri Numerical Maths RAS, Moscow, Russia
ZHU Jun Institute Bioinformatics, Zhejiang Uni, Hangzhou, China
ZI Zhike MPG Institute of Molecular Genetics, Berlin, Germany

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WANG Guanyu 王冠宇 wanggy (at) sustc.edu.cn