

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 年丝路合作国际会议
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)

Jointly with

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 Modeling of Human Body System
3-я российско-немецкая конференция
**МультиМасштабные Био-
Математические науки**
**Когерентное моделирование
системы организма человека**

Organizers Устроители

acad. prof. CHETVERYSHKIN 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)

Jointly with

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營学术咨询事务所德国克雷费尔德市

EURASIAN COLLABORATION 2018

for Enhancement of Academic Career Opportunities in Scientific Research on People's Health

2018 年亚欧地区合作会议

पूर्व-पाश्चात्य जीवविज्ञानम्-2018

1st Chinese-German Conference
Comprehensive Understanding
of Human Health with Impact from Person's
Surroundings

第一届中德健康全面理解与
生存环境的影响会议

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)

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WANG Guanyu (SUSTech, China)
Conference Scientific Secretaries:
LI Jian (LMU Munich, DE) LÜ (LV) Mo (SUSTech, China)
Liaison India: ARJUNAN Selvam (Bangalore, India)

Jointly with

5th "Arbeitsreffen" German Initiative Biokybernetik
Health Cybernetics - Coherent Control of
Health Impacts
Initiator: Jochen Mau, HHU Düsseldorf, Germany

2018 年 12 月 10 到 12 日
10 - 12 December 2018

德国杜塞尔多夫市-克雷费尔德市
TRYP Düsseldorf Krefeld, Germany



EURASIAN COLLABORATION 2018 TRYP Düsseldorf Krefeld, Germany

1st Chinese-German Conference

Comprehensive Understanding of Health with Impact From Person's Surroundings

2018 年 12 月 10 到 12 日
10 - 12 December 2018

Concept

EURASIAN COLLABORATION 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 kybernetic control are a prerequisite.

Confirmed 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
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 Hans-Werner Nuclear Med, UnivClin Düsseldorf, DE
MÜLLER Matthias Systems Theory Control, Univ Stuttgart, DE
PEI Lijun Population Studies, Peking Univ, Beijing, China.
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
TRETTER Felix Bertalanffy Ctr Stud Syst Sci, Vienna, Austria
VUKOJEVIĆ Vladana ClinNeurosci, Karolinska, Solna, Sweden
WAGENPFEIL Stefan Med Biometry, Univ-Hosp, Homburg DE
XU Shuhua CAS MPG Computat Biol, SIBS, Shanghai, China
ZHANG Jianhua Intelligent Systems, ECUST, 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 Modelling 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

ALLGÖWER Frank Systems Theory Control, Univ Stuttgart, DE
HENRION René WIAS Appl Analysis&Stochastics, Berlin, DE
WANG Guanyu Mathematical Biology SUSTech, Shenzhen, China
YONG Wen-An Applied Mathematics, TsinghuaU, Beijing, China.

CONTACT FOR DETAILS

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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 - From Cell to Population

2018 年 11 月 03 到 04 日
03 - 04 November 2018

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
RASHEED SA Kabeer Duke-NUS Medical School, Singapore
SONI Gautam V Raman Research Institute, Bangalore, India
SUGHIYAMA Yuki Math, Life Sci&Informatics, Tokyo U, Japan
SHANGERGANESE Lingeshwaran Appl Sci, NIT Goa, India
VASILYEVA Nadezda Dokuchaev Soil Science, Moscow, Russia
VASSILEVSKI Yuri Numerical Maths RAS, Moscow, Russia
ZI Zhike MPG Institute of Molecular Genetics, Berlin, Germany
ZHU Jun Institute Bioinformatics, Zhejiang Uni, Hangzhou, China

CONTACT FOR DETAILS

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