Scientific Symposium: From Exercise Medicine to Translational Medicine 2017

2017 年上海交通大学“从运动医学到转化医学——运动干预慢病的临床转化”国际研讨会

GUIDE

会议指南

Organizer

Shanghai Research Center for Translational Medicine, Exercise, Health and Technology Center，
Physical education Department, Shanghai Center for Systems Biomedicine
Shanghai Jiao Tong University

主办

上海交通大学

转化医学研究院 体育系运动健康工程中心 系统生物医学研究院

September 18th-20th, 2017 Shanghai, China

2017 年 09 月 18-20 日 中国 上海

Notice

参会须知

1. Please wear your name badge during the symposium and present it when you need transportation or other services.

   会议期间，请参会代表佩戴会议凭证，依据会议凭证准时出入会场、会议乘车及其他相关服务。

2. All participants are requested to follow the laws of the People's Republic of China and any non-academic propaganda activities are prohibited.

   所有参会人员应遵守中华人民共和国法律，会场内禁止任何非学术性宣传活动。

3. Please turn your cell phone into silent or vibration mode during sessions.

   会议期间，请与会人员关闭通讯设备或调至震动状态。

4. The official venue for the symposium is the Shanghai Center for Systems Biomedicine, Shanghai Jiao Tong University. Please be aware of possible delays due to traffic.

   会议地点：上海交通大学系统生物医学研究院，请所有参会人员注意往返途中的交通安全。

5. Secretariat—Room 103, Guangming stadium, Shanghai Jiao Tong University.

   Contact: Mr. Yanxiang Yang, Tel: +86 13061720960

   会务组：上海交通大学光明体育场 103 室，联系人：杨彦祥，电话：13061720960

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Welcome to Shanghai Jiao Tong University

and the International Symposium

“From Exercise Medicine to Translational Medicine”

Dear Friends and Colleagues:

We are very pleased to welcome you to Shanghai Jiao Tong University and our International Symposium “From Exercise Medicine to Translational Medicine”. This symposium is organized mutually by the Shanghai Research Centre for Translational Medicine and the Exercise, Health and Technology Centre (EHT) at Shanghai Jiao Tong University.

On behalf of the organizers, we want to invite you to join us for this outstanding interdisciplinary program which involves scientific fields such as, exercise and clinical medicine, epidemiology and metabolism, and more. At the heart of our symposium are two interdisciplinary debates in which we aim to address two important contemporary issues in exercise sciences.

In debate 1 “**How to actualize the clinical transformation of exercise intervention for chronic diseases in China?**” we will discuss how scientific knowledge should be transferred into practice. We will cover the following issues: What do we achieve by combining exercise as medicine? What are the implications? What are the ethical issues in labelling exercise as medicine? How does science affect the ways in which people exercise and how do they understand the meaning of these activities? Who are the ones that transfer the knowledge and what are the consequences?

In debate 2 “**What are the global challenges we are facing from exercise medicine to translational medicine in chronic disease management?”** we will discuss the impact of different types and intensities of exercise on health across the lifespan. The debate includes the following questions: What kind of exercise is most vital for good health? How often should you exercise? How intensive should the exercise be? How should exercise prescription change throughout the lifespan of an individual? What is the most overlooked/underrated form of exercise/movement culture? What about non-responders of exercise? What is the role of diet in exercise interventions among exercise in non-responders? What is the content of exercise when combining exercise and drug interventions?

The meeting also includes wonderful networking and social opportunities for which we encourage you to reconnect with peers and rub shoulders with global leaders in sports and exercise sciences. We hope you will have an inspirational time in Shanghai!

Sincerely,

Sulin Cheng Xianming Zhang Zeguang Han

Chairman of the symposium, Shanghai Jiao Tong University

Introduction to the Shanghai Research Centre for Translational Medicine

The “National Research Center for Translational Medicine· Shanghai” (hereinafter “the Center”) was formally approved by the National Development and Reform Commission, as a part of the national key scientific infrastructure in July 2013. As a national-level institution, the Center is co-administered by the Ministry of Education and the Shanghai Municipal Government.

The Center has adopted a “systematic three by three” research scheme. Guided by the National Innovation Strategies and National Mid- and Long-Term Guidelines for Scientific Development, and based on the advantages of SJTU and Rui-Jin Hospital, the research of the Center is focused on three major types of life-threatening diseases: cancer, cardiovascular and cerebrovascular diseases, and metabolic diseases.

The Center aims to discover and validate series of molecular biomarkers and drug targets in the three major disease areas, acquire numerous domestic and international patents and new drug certificates, publish several papers in top international journals, develop new drugs or new treatment protocols and launch clinical trials, strive for new breakthroughs in synergistic targeted therapies for hematological malignancies beyond acute promyelocytic leukemia and develop a series of cutting-edge diagnostic and treatment instruments with intellectual property rights. In addition, the Center will endeavor to build a world-class research team composed of 10–12 chief scientists and 50 principal investigators.

Introduction to the Exercise, Health and Technology Center

The Exercise, Health and Technology Center (EHT) at Shanghai Jiao Tong University (SJTU) is newly established in accordance with the national "population health" initiatives on January 26th, 2015. The center takes advantage of the expertise in medicine, biology, engineering and management at SJTU, and incorporates the Cloud computing and Big data to build a platform for health promotion. EHT's mission is to encourage students, teachers and communities to exercise for wellbeing and health. EHT's vision is to build a national leading platform of exercise and health research and promotion. Our slogan is: ***We run SJTU!***

The director of the EHT, Professor Sulin Cheng, has been carrying out scientific research in the field of health science and technology for over 30 years. She has been involved in applied basic research, health-related technology development, and exercise and nutrition intervention studies to improve physical fitness and daily physical activity. Her research is interdisciplinary in nature and includes physical activity, human performance assessment, public health, nutrition, medicine, physiology, genetics, biology, physics, biochemistry and biomedical engineering.

At present, the EHT comprises of three researchers, one postdoctoral scholar, five doctoral students and one research assistant. We are recruiting new researchers who are passionately interested in exercise and health related research. You are welcome to submit your CV to sulin.cheng@sjtu.edu.cn.

General Information

Symposium venue

The symposium will be held at the Shanghai Center for Systems Biomedicine building in the first floor auditory room, which is located at the northeast corner of SJTU Minhang Campus.

Registration

The registration is located at the Shanghai Center for Systems Biomedicine building, on the first floor. The registration is open on Sunday September 17th at 5-8 pm and on Monday September 18th, at 7.30 am. We kindly ask you to make sure you have completed your registration before the start of the official program.

Refreshments

Refreshments (coffee, tea, fruits and biscuits) are provided during two breaks each day in front of lecture room. The conference organizers provide lunch to all invited participants, and it is served in the Fifth Canteen.

Presentations

Please upload your presentation onto the computer in the lecture room in the morning of your presentation.

ATM

The Bank of China ATM can be found on campus near the south gate. See the map.

Exercise facilities

During the symposium you will be able to use the sport facilities on campus. The gym and swimming hall are located next to the Guangming Stadium and the campus is an excellent environment for taking a walk or going for a run.

Good to know in China & SJTU

- *Do not drink from the tap*. There are drinking water taps on campus for filling your bottle. One can be found from the ground floor of Guangming stadium.
- Usually there is **no toilet paper in the toilets**. Remember to bring your own.
- In the canteen you need a canteen card, but in the campus mall you can pay with cash.
- Shopping is best done in the city center; there are few shops on Dongchuan road (outside the south gate, on the right hand side).
- Remember to lock your bicycle, especially outside the campus.
- The nearest metro station is Dongchuan Road. It is 1.5 km from the south gate of campus. Go out from the south gate, turn right, go straight on from the first traffic lights and at the second traffic lights turn right. If you take a bicycle, there is a guarded bicycle park which costs 1 RMB.

Addresses (for Taxi driver)

SJTU Minhang campus (conference venue):
地址：上海市东川路 800 号 邮编
Address: 800 Dongchuan RD. Minhang District, Shanghai, China

会议日程

	09 月 17 日 (星期日)	09 月 18 日 (星期一)		09 月 19 日 (星期二)	09 月 20 日 (星期三)
时间	到达	第一天	时间	第二天	
8:15-9:00		注册	8:30-8:50	赞助公司简介	
9:00-9:30		开幕、致欢迎辞!	8:50-9:25	Wilhelm Bloch 教授 表观遗传对体力活动的影响：与慢性病相关	
9:30-10:05		宁光 院士 慢病干预与转化医学	9:25-10:00	Carl Johan Sundberg 教授 运动与基因组学	
10:05-10:40		Ulf Ekelund 教授 体力活动（不足）的健康后果： 久坐是新的吸烟?	10:00-10:35	唐惠儒 教授 运动与代谢组学	
10:40-10:55		会间操 茶歇	10:35-10:50	会间操 茶歇	
10:55-11:30		李国平 教授 运动医学与体医结合	10:50-11:25	Rob Newton 教授 运动医学在癌症管理中的作用	
11:30-12:05		张 勇 教授 运动生理学在转化医学中的作用	11:25-12:00	车 琳 教授 运动与心血管疾病	
12:05-13.30		午餐	12:00-13.30	午餐	
13:30-14:05		马 云 教授 运动处方	13:30-14:05	Ari Heinonen 教授 运动与骨关节炎	
14:05-15:35		圆桌讨论 1: 运动干预慢病的临床转化中国应该怎么做? 组 1: 胡扬、张勇、丁树哲、乔德才、交大专家 组 2: 管又飞、马云、葛军、 交大专家	14:05-14:40	程蜀琳 教授 运动与糖尿病	
15:35-16:00		会间操 茶歇	14:40-15:00	会间操 茶歇	
16:00-16:30		运动健康工程中心：运动慢病干预	15:00-15:35	Moritz Schumann 博士 从运动训练到临床理疗：运动训练对疾患人群的优化治疗	
16:30-17:00		参观运动健康工程中心	15:35-17:00	圆桌讨论 2: 运动干预慢病的临床转化世界面临什么样的难题? 组 1: Wilhelm Bloch, Rob Newton, Carl Johan Sundberg, SJTU, Shuzhe Ding 组 2: Ulf Ekelund, Ari Heinonen, Moritz Schumann, Matti Hämäläinen, SJTU	
17:00-18:00		自由讨论	17:00-18:00	会议闭幕	

Symposium Program

	Sun., Sept. 17, 2017	Mon., Sept. 18, 2017		Tues., Sept. 19, 2017	Wed., Sept. 20, 2017
Timeline	**Arrivals**	**Conference Day 1**	**Timeline**	**Conference Day 2**	**Departures**
8:15-9:00		Registration	**8:30-8:50**	Companies´ presentation	
9:00-9:30		Welcome & Opening ceremony	**8:50-9:25**	Professor Wilhelm Bloch Epigenetic influences of physical activity - relevance for chronic diseases	
9:30-10:05		Professor Guang Ning Chronic disease intervention and translational medicine	**9:25-10:00**	Professor Carl Johan Sundberg Role of exercise in genomics	
10:05-10:40		Professor Ulf Ekelund Physical Activity/Inactivity: the Health Consequences -Is sitting the new smoking?	**10:00-10:35**	Professor Huiru Tang Metabolomic responses to exercise	
10:40-10:55		Exercise, Coffee and Tea	**10:35-10:50**	Exercise, Coffee and Tea	
10:55-11:30		Professor Guoping Li Combination of medicine and exercise	**10:50-11:25**	Professor Rob Newton Role of exercise medicine in cancer management	
11:30-12:05		Professor Yong Zhang Role of exercise physiology in translational medicine	**11:25-12:00**	Professor Lin Che Role of exercise in cardiovascular disease	
12:05-13.30		Lunch	**12:00-13.30**	Lunch	
13:30-14:05		Professor Yun Ma Exercise prescription	**13:30-14:05**	Professor Ari Heinonen Effects of exercise on osteoarthritis	
14:05-15:35		Round Table Debate 1: How to actualize the clinical transformation of exercise intervention for chronic diseases in China? Group1: Yang Hu, Shuzhe Ding, Yong Zhang, Decai Qiao Group 2: Youfei Guan, Yun Ma, Jun Ge, SJTU	**14:05-14:40**	Professor Sulin Cheng Role of exercise in diabetes management	
15:35-16:00		Exercise, Coffee and Tea	**14:40-15:00**	Exercise, Coffee and Tea	
16:00-16:30		EHT: Exercise intervention in chronic diseases	**15:00-15:35**	Dr. Moritz Schumann From athletic training to clinical therapy: Optimizing exercise training for diseased populations	
16:30-17:00		Visiting the EHT	**15:35-17:00**	Round Table Debate 2: What's the world Problems in the field of clinical transformation of exercise intervention for chronic diseases? Group 1: Wilhelm Bloch, Rob Newton, Carl Johan Sundberg, Shuzhe Ding, Yong Zhang, SJTU Group 2: Ulf Ekelund, Ari Heinonen, Moritz Schumann, Matti Hämäläinen, SJTU	
17:00-18:00		Free discussions	**17:00-18:00**	Closing address	

Keynote Speakers and expert panel

Professor Guang Ning（宁光）, Academician of Chinese Academy of Engineering, the head of Shanghai Clinical Center for Endocrine and Metabolic Diseases, the director and professor of department of Endocrine and Metabolism in Ruijin Hospital, the director of Shanghai Institute for Endocrinology and Metabolism, the vice president of Ruijin Hospital affiliated Shanghai JiaoTong University School of Medicine. Dr. Ning has been focusing on the study of endocrine and metabolic diseases, such as type 2 diabetes and metabolic syndrome, pituitary and adrenal disorders, hereditary endocrine and metabolic diseases caused by single gene mutation, as well as the research on pathogenesis of endocrine related cancers. Dr. Ning has received more than 20 grants and published more than 300 scientific papers in peer-reviewed journals. 宁光，中国工程院院士，现任上海交通大学医学院附属瑞金医院副院长、上海市内分泌代谢病研究所所长、上海市内分泌代谢病临床医学中心主任和国家代谢性疾病临床医学研究中心主任。长期从事内分泌代谢病临床工作，在遗传性内分泌疾病与内分泌肿瘤诊治方面积累了丰富经验，同时致力于遗传机制研究，发现多发性内分泌腺瘤病 1 型、胰岛细胞瘤与肾上腺库欣综合征发病机制及致病基因，基于研究成果提出三类十种分子分型方法，规范并优化临床诊疗方案；通过大型队列创建生物样本库的研究模式，揭示中国糖尿病严峻形势及危险因素，并提出糖尿病及其大血管病变的临床防治新方案。宁光教授组织制定多部临床路径与指南共识，在 Science、JAMA 等 SCI 收录杂志发表论文 247 篇。2008 年、2010 年及 2012 年分别获国家科技进步奖二等奖 3 项。获评中国医师奖、吴阶平医药创新奖、美国临床内分泌医师协会 International Endocrinology Award。

Dr. Ulf Ekelund obtained his PhD from the Karolinska Institute, Stockholm Sweden in 2002 and is currently a Professor in physical activity and health at the Department of Sport Medicine, Norwegian School of Sport Sciences, Oslo, Norway and Professor in physical activity epidemiology at the Norwegian Institute of Public Health. Before moving to Norway, Professor Ekelund lead a research program in physical activity epidemiology at the Medical Research Council Epidemiology Unit, University of Cambridge where he currently holds an honorary contract as senior investigator scientist. He has published more than 300 peer-review articles including papers in The Lancet, JAMA, and PLOS Medicine and his current H-index is 65. Ekelund is a Fellow of American College of Sport Medicine international treasurer on the Board of Trustees for the college. He is associate editor for Medicine and Science in Sport and Exercise, the Journal of Physical Activity and Health and Journal of Sport Sciences. He was awarded the new investigator scientist award from the American College of Sport Medicine in 2007 and the British Nutrition Society Silver Medal in 2013 for excellence in science. Professor Ekelund's main research interests are related to measurement and population levels of physical activity; the role of physical activity and sedentary behavior for preventing non-communicable diseases especially obesity and metabolic diseases; and to understand the biological basis for physical activity and sedentary behavior with a special focus on young people.

Professor Guoping Li (李国平) is a member of the national committee of CPPCC, the former President of Sports Medicine Institute under General of Administration of Sport of China. His research area is focused on sports injury, stress fracture of athletes. 李国平，教授，博士、现为全国政协委员、原国家体育总局运动医学研究所所长。1978 年毕业于北京医科大学，一直从事运动医学临床、科研、教学、管理与服务工作，至今已有 35 年。期间曾在美国 MAYO 医学院、TEXAS 科技大学和 W.VIRGINIA 州立大学医学院研修和工作近 7 年。李教授在运动创伤的机理研究等方面开展创新性、系统性研究，取得了一系列重要成果，其中关于运动员应力性骨折的研究属国内领先。主持多项国家科技支撑计划、国家科技奥运、国家自然科学基金等重大研究项目。

Professor Yong Zhang (张勇) is the Vice President of Tianjin University of Sport. His research area is in cellular and molecular physiology. 张勇，教授、博士, 现任天津体育学院副院长，院学术委员会副主任委员，天津运动医学研究所常务副所长，2003 年起享受国务院政府特殊津贴。主要研究方向和领域：运动生理学，细胞与分子生物学。主要研究领域：1、运动氧化应激与线粒体医学；2、运动健康适应的分子生物学（运动防治心血管疾病的分子生物学）。

Professor Yun Ma (马云) is the Vice President of Institute of Sports Medicine under General Administration of Sport of China. Her research area is in risk assessment pre-exercise and exercise and cardiovascular disease. 马云，教授，博士，主任医师。主要研究方向为：运动前风险评估、运动心血管猝死与急救、老年性心血管疾病诊治。现任国家体育总局运动医学研究所副所长。

Dr. Wilhelm Bloch is a Professor and the head of the Department of Molecular and Cellular Sport Medicine at the Institute of Cardiovascular Research and Sport Medicine, at the German Sport University and the Medical Faculty of the University of Cologne. He has been a member of the scientific board of the German Society of Prevention and Sport Medicine since 2008 and became the chair of the board in 2011. He is also a member of the European College of Sport Science (ECSS) scientific committee and has been the vice president of the German Sport Medicine Society since 2011. He has published more than 700 journal articles and book chapters. Professor Bloch's main research interests in the field of exercise biology/physiology are mechanical and metabolic signaling, adaptation of endothelial cell and cardiac and skeletal muscle, as well as stem cell-dependent tissue regeneration.

Dr. Carl Johan Sundberg is Professor of Molecular Exercise Physiology and the SSES Centre Director at Unit for Bio-entrepreneurship at Karolinska Institute. He currently combines two part-time roles at Karolinska Institute; academic leader at UBE (where research and education within innovation, management and entrepreneurship is conducted) and professor of Physiology. He was for a decade

the vice-president of Euroscience and the initiator of Euroscience Open Forum, a large (~4500 participants) biennial international general science meeting on science, technology, business and science communication, which was held in Copenhagen in 2014 and in Manchester in 2016. Professor Sundberg has served as a member or chairman of numerous academic and industry boards, e.g. board member of Cobra Biologics AB, member of the International Olympic Committee´s Medical Commission, inspector (guardian) for the Medical Student's association and chair of Research Sweden – an independent advocacy foundation for medical research. He has more than 120 international publications. Professor Sundberg's current research is focused on the genetics, genomics and epigenetics of physical activity.

Professor Huiru Tang（唐惠儒）is a distinguished Professor in Metabonomics and Biospectroscopy at Fudan University. He obtained his PhD from the Royal Holloway, University of London in 1991. His current main research area is focused on quantitative metabonomics and applications in the stressor-induced metabolic reprogrammings in cancers, obesity, diabetes and mammal-microbiome crosstalks, with major tools include NMR, LC-MS, GC-MS, LIFD, RT-PCR and their combinations with multivariate statistics. 唐惠儒，现任复旦大学生命科学学院特聘教授。1991 年获英国伦敦大学博士学位。长期从事代谢物结构与性质关系、代谢物组成及变化规律方面的研究。现主要发展高通量超灵敏代谢组原位分析、代谢组与转录组等数据整合分析新技术，并用之研究应激的代谢网络应答机制与肥胖等代谢性疾病发生发展的代谢组基础。曾主持完成国家杰出青年科学基金、肥胖等相关 973 项目课题多项。目前承担国家自然科学基金等项目。英国皇家化学会会士（2005）、国家杰出青年科学基金（2008）、“新世纪百千万人才工程”国家级人选称号（2009）、王天眷波谱学奖（2010）。

Dr. Rob Newton is a Professor and Associate Dean, Medical and Exercise Sciences and Co-Director of the Exercise Medicine Research Institute, School of Medical and Health Sciences at Edith Cowan University. He has over 30 years of academic and professional experience in exercise and sports science and has been at ECU since 2003. In 2004, he was awarded as Outstanding Sports Scientist of the Year by the NSCA. He has published over 290 refereed scientific journal articles, two books, 16 book chapters and has a current H-index of 59 with his work being cited over 12,500 times. As of 2016 his research had attracted over $29 Million in competitive research funding. Professor Newton's current major research area includes reducing decline in strength, body composition and functional ability in cancer patients; cancer related fatigue and the influence of exercise; exercise medicine and tumor biology. Professor Newton also continues his research and consultancy in human high performance focusing on the assessment and development of neuromuscular strength, power and speed.

Dr. Lin Che（车琳）is a M.D. and Associate Professor at Tongji Hospital Affiliated to Tongji University. Her research area is focused on cardiovascular medicine. 车琳，医学博士，副主任医师，同济大学附属同济医院心血管内科副教授。主攻心脏康复的基础与临床。2016 年在美国 UCLA Harbor 医学中心做访问学者，同期获得美国心脏康复专业认证（CCRP）。世界中医药联合会心脏康复专家委员会副会长，中国医师协会中西医结合医师分会心脏康复委员会副主任委员，中国中医药研究促进会中西医结合心血管病预防与康复专业委员会常委，上海市康复医学会心脏康复专业委员会委员兼冠心病组组长，中国康复医学会第五届心血管病专业委员会委员等多项学术兼职。专业特长：心血管疾病的药物治疗，心血管疾病心肺功能评估和运动康复治疗，心脏超声诊断。

Dr. Ari Heinonen is a Professor and the Head of health science department (2010-2016) at University of Jyväskylä. He has published more than 180 peer-review original scientific publications and about 20 book chapters and made more than 100 conference and workshop presentations. Professor Heinonen is currently Fellow of American College of Sport Sciences, Fellow of The American Society for Bone and Mineral Research and Fellow of Finnish Bone Society. He has won several international and national awards for research in bone and skeletal muscle and joint diseases. He is an assistant editor-in-chief in European Journal of Physiotherapy, and in the editor board in Scandinavian Journal of Medicine & Science in Sports. Professor Heinonen's current major research directions include: exercise intervention on skeletal and joint diseases.

Professor Sulin Cheng is a Chair Professor at Shanghai Jiao Tong University, Head of Exercise Health and Technology Center. She is also a Professor in the Sport and Health Sciences faculty at the University of Jyväskylä, Finland. 程蜀琳，教授，博士、博士生导师。现任上海交通大学致远讲席教授，上海交通大学运动健康工程中心主任，芬兰于韦斯屈拉大学运动健康学院教授。长期在健康科学与技术领域开展科学研究，涉及应用基础研究、与健康科技相关的技术开发项目、与体育锻炼营养干预、改善身体健康状况和日常活动功效等方面的研究。目前主要研究方向：家族跟踪研究骨代谢、脂代谢和糖代谢之间的交互作用及代谢性疾病运动膳食干预效果及机制。在同行评议的国际学术期刊上发表了 140 多篇 SCI 研究论文，获得过 8 个国际科学奖和 6 个国家奖项。其中 Calex 研究成果被选入美国医生再教育教材，用于芬兰卫生部关于少年儿童的营养健康指南。

Dr. Moritz Schumann is currently working in the Department of Molecular and Cellular Sports Medicine at the German Sport University Cologne. He received his PhD from the Department of Biology of Physical Activity at the University of Jyväskylä, Finland and was a visiting Fellow at several internationally recognized research centers; including the Edith Cowan University, Perth (Australia) and the Exercise, Health and Technology Center at Shanghai Jiao Tong University, China. He has published numerous refereed journal articles and has given multiple national and

international presentations. Dr. Schumann is a member of the editorial board of the Journal of Strength and Conditioning Research and an invited international member of the research group of strength training at the Federal University of Rio Grande do Sul, Porto Alegre (Brazil). He was also appointed as a Research Fellow at Qu Fu Normal University, China**.**

Professor Zeguang Han（**韩泽广**）is the Distinguished Professor of Yangtze River Scholar & Executive Vice-Dean, Shanghai Center for Systems Biomedicine, Shanghai Jiao Tong University. Director of Key Laboratory of Systems Biome-dicine (Ministry of Education). The goals of his research are to establish a basis for profound understanding of oncogenesis, and subsequent diagnosis and therapeutics of liver cancer.Prof. Han has published over 100 papers in peer-reviewed journals, including Nature, Nature Genetics, JCI, PNAS, Cancer Research and Hepatology, many of which are highly cited. 韩泽广，特聘教授，博士生导师。上海交通大学系统生物医学研究院常务副院长。教育部长江学者奖励计划特聘教授、国家杰出青年基金获得者、“新世纪百千万人才工程”国家级人选、国家科技部“973”项目首席科学家，上海市优秀学科带头人计划项目。主要针对我国高发重大疾病-血吸虫病和肝癌发生、发展相关分子机制开展系统性、开创性研究。在国际杂志发表论文 100 余篇，包括《自然遗传学（Nature Genetics）》、《美国科学院院报（PNAS）》、PLoS Pathogens, Hepatology 等，被国际同行引用 3300 余次。先后获得国家自然科学奖二等奖 1 项、上海市科技进步一等奖 1 项、二等奖 2 项，上海市自然科学奖二等奖，“第十届上海市科技精英”提名奖多项奖项。

Professor Youfei Guan (管又飞) is the Vice President at Dalian Medical University. His research area includes association of nuclear receptor superfamily (PPARs, LXRs, FXRs and PXRs) with metabolic disease, especially fatty liver disease and diabetes. 管又飞，教育部长江学者特聘教授，国家杰出青年基金获得者，科技部“脂肪肝及高脂血症防治研究”973 项目首席科学家，历任美国 Vanderbilt University 医学中心肾脏病系及糖尿病中心助理教授，北京大学医学部生理学及病理生理学系教授、系主任，北京大学糖尿病研究中心共同主任，北京大学基础医学院副院长，深圳大学医学部主任，现任大连医科大学副校长 。

Professor Yang Hu (胡扬) is the Vice President of Beijing Sport University. His research area is in hypoxia training and gene selection of athletes. 胡扬，教授、博士、现任北京体育大学副校长。主要研究方向为运动员低氧训练及基因选材，承担了包括国家科技支撑计划、国家自然科学基金等 10 多项国家级和省部委课题，获得包括中国体育科学学会科学技术一等奖、国家体育总局奥运会科技攻关奖、国家科技部奥运会科技攻关优秀奖、北京市教学名师等 10 多个奖项。目前担任全国政协第十二届委员会委员，北京市第十四届人大代表，北京市海淀区第十五届人大代表、常委。

Professor Shuzhe Ding (丁树哲) is the Vice President of Shanghai New York University. His research area is in exercise adaptation and mitochondrial signalling regulation. 丁树哲，教授、博士, 现任上海纽约大学校长助理，原华东师范大学国际交流处处长。现为中国生物物理学会、中国生化及分子生物学会会员，中国运动医学会委员，国际华人运动生理及体适能学者学会理事，主要从事教学和科研工作。研究领域：运动对机体健康作用的细胞分子机制研究； 提高身体机能的适应理论研究；运动促进健康的策略研究。

Professor Decai Qiao (乔德才) is an Exercise Physiologist at Beijing Normal University. His research area is in exercise physiology and neurobiology. 乔德才教授、博士、博士生导师。现为北京师范大学运动人体科学专业学科带头人、博士生导师，中国体育科学学会运动生理与生化分会常委、中国生理学会运动生理学专业委员会委员、《中国运动医学杂志》编委，国家自然科学基金、国家科技进步奖、国家博士后基金和教育部各类项目的评审专家。主要从事于运动性疲劳中枢机制的研究。现已出版专著 2 部、主编本科生和研究生教材 8 部，发表学术性论文 110 余篇，其中被 SCI 收录 4 篇、EI 收录 2 篇，主持和参与完成的国家自然科学基金项目 7 项、省部级科研项目 10 余项。

Dr. Matti Hämäläinen facilitates digitalization cooperation of Finnish industry and universities in Asia and acts as the national coordinator of the China- Finland Strategic ICT Alliance pointed by Tekes (The Finnish Funding Agency for Innovation). As an entrepreneur, he founded a company serving mobile operators in Europe, Asia, America, Australia, Middle- East and Africa for global rollouts of mobile data collection and games resulting to Innovation Award of the President of Finland and World GSM Association Global Mobile Award. Matti has continued developing “life data services” linking individual’s health and wellbeing data and everyday activities and behaviors for developing individually and situationally relevant health services. His academic career and advisory positions include Professor at Aalto University (and Helsinki U. of Technology), National High- end Foreign Expert at Tongji University and an Honorary Commissioner of the Chinese E- Commerce Development Advisory Committee.