



# 国际器官保护协会成立 暨第四届国际器官保护论坛

The Establishing of International Organ Protection Society (IOPS)  
& The 4th International Conference for Organ Protection

## 会议手册

Conference manual

2018.12.28-29 中国·杭州 Hangzhou · China





组织结构 ORGANIZER

主办 Main Organizer

浙江大学器官移植研究所

国家卫生与健康委员会多器官联合移植研究重点实验室

中国医师协会器官移植分会移植器官质量控制专业委员会

Organ Transplantation Research Institute, Zhejiang University

Key Laboratory of Multi-Organ Transplantation of the National Ministry of Health, China

Quality Control Committee of Organ Transplantation, Chinese Medical Doctor Association

协办单位 Co-Organizer

上海大学-树兰医工研究院

武汉大学移植医学中心

莱普晟医疗

Shanghai University- Shulan Medical Engineering Research Institute

Wuhan University of Transplantation Medical Center

Life Perfusor Medical

组织结构 ORGANIZER

大会顾问

Consultant



诺贝尔化学奖获得者 院士  
Prof. Barry Sharpless  
(美国)



黎介寿 院士  
Prof. Li Jieshou



李兰娟 院士  
Prof. Li Lanjuan

大会主席

President



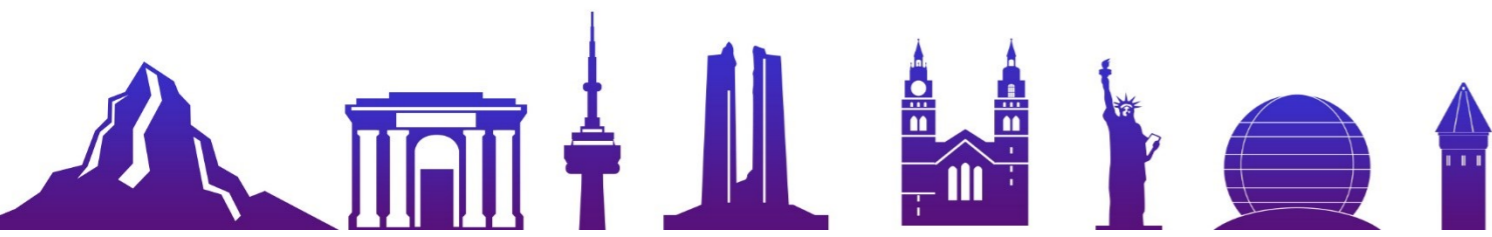
郑树森 院士  
Prof. Zheng Shusen

执行主席

Executive President



叶启发 教授  
Prof. Ye Qifa



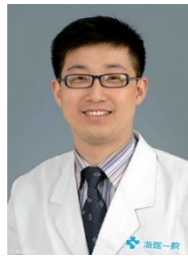


## 组织结构 ORGANIZER

### 共同主席 Co-Chair



朱有华 教授  
Prof. Zhu Youhua



徐 晓 教授  
Prof. Xu Xiao



李立 教授  
Prof. Li Li



Prof. Christophe Allemann  
(瑞士)



Prof. Jonathan Lakey  
(美国)

### 秘书长 Secretary-General



周 琳 教授  
Prof. Zhou Lin

### 秘书处 Secretary

谢海洋 李建辉 王彦峰 唐量  
范晓礼 贾俊君 俞浩 Qingyi Tang Siffert (瑞士)

## 欢迎词 WELCOME

### 尊敬的各位专家、同道：

第四届国际器官保护大会将于 2018 年 12 月 28 日-29 日在杭州召开。此次大会由国家卫健委多器官联合重点实验室、中国医师协会器官移植医师分会移植器官质量控制专业委员会主办，武汉大学移植医学中心、上海大学-树兰医工研究院、杭州莱普晟医疗协办。此次会议以“日新其德 求索篤行”为主题，放眼国际，聚焦器官保护领域核心问题，邀请国内外在器官移植先进技术，器官保存、转运、修复，人工肝治疗、肾脏替代治疗研究与应用卓有建树的学者参会，围绕器官保护医、工、信等交叉融合领域进行广泛与深入交流。

国际器官保护大会及论坛在郑树森院士、叶启发教授、朱有华教授、Hendrick Taeverai 教授，Praveen Kumar Vemula 教授等国内外知名学者支持下自 2015 年初首届召开以来，已成为探索器官保护研究前沿学术问题、推动该领域国际间的交流的一个专业化的高端学术交流平台。

本次大会将邀请诺贝尔奖获得者 Barry Sharpless 教授等多个国际著名专家团队做专题发言并联合讨论国际器官保护 (International Organ Protection) 事项，同时将共同研讨国际化器官修复产业建设与产学研一体化的规划，旨在实现国际范围的医、工、信优势资源整合，持续推进人体器官保护技术研发及转化应用，造福世界范围广大病患。



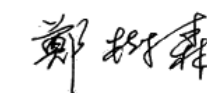
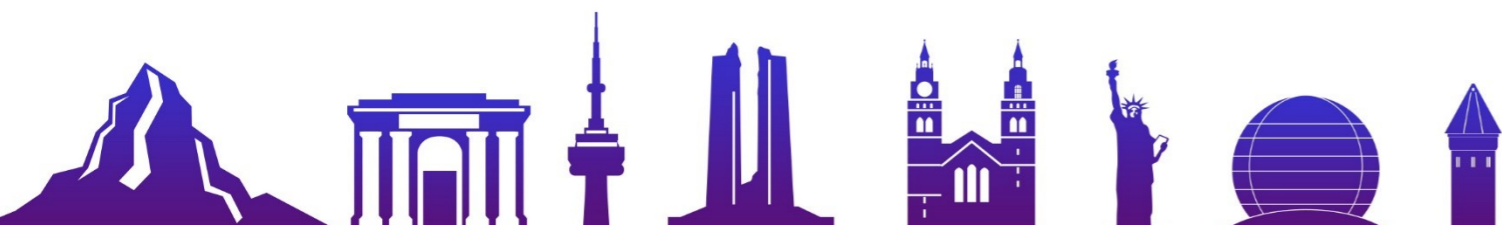
郑树森 院士  
Zheng Shusen

The 4th International Conference for Organ Protection will be held in Hangzhou from 28th to 29th, December 2018. This conference is sponsored by the Key Laboratory of multiple organs of the National Health Commission of China, Institute of organ transplantation, Zhejiang University, the Quality Control Committee of Organ Transplantation Branch of the Chinese Medical Doctor Association, and co-organized by Wuhan University Transplant Medical Center, Shanghai University -Shulan Medical & Technology Institute, Life Perfusion Medical, and Shulan Medical Group. The theme of the conference is "Exploration the essence of science with the highest persistence and virtue". Following this international outlook, we invited global experts to join and conduct deep discussion on the most recent developments in organ protection, including topics in both practice and research such as advanced technology of transplantation, organ preservation, organ transportation, organ repair, artificial liver support, and renal replacement therapy etc. The goal of this conference is to promote new knowledge, industrial innovation and the translation of basic and technological research achievements to further clinical applications.

This international organ protection conference and forum, called upon since 2015 by academician Shusen Zheng, professor Zhu Youhua, professor Ye Qifa, Prof. Hendrick Taeverai, Prof. Praveen Kumar Vemula, and other well-known domestic and foreign scholars, has become a frontier academic platform for organ protection technologies worldwide.

This conference will gather world-renowned experts, including Nobel Laureate Prof. Dr. Barry Sharpless to present and discuss the prospect future of international organ protection. With the hope to integrate international resources of science, medicine and technology, this conference is looking forward to promoting the transformation and application of human organ protection technology, and to eventually benefit global patients.

大会 主席  
中国工程院 院士  
法国国家医学科学院外籍 院士  
中国医师协会器官移植医师分会 会长

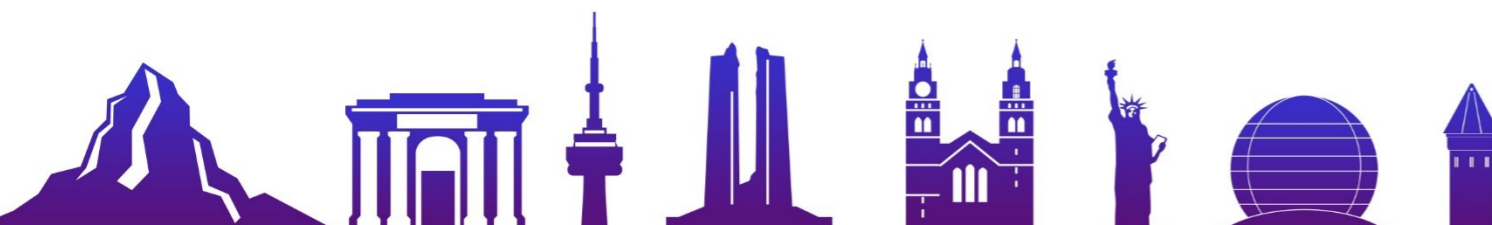


大会议程 AGENDA

2018年12月29日 (周六 Saturday)			
杭州龙湖皇冠假日酒店 Crowne Plaza Hangzhou Longhu			
时间 Time	议题 Topic	报告人 Speaker	主持 Moderator
08:00-08:45	<b>开幕式 Opening Ceremony</b>		
08:00-08:05	郑树森 中国工程院院士 法国国家医学科学院外籍院士 中国医师协会器官移植医师分会会长 Zheng Shusen, Academician of Chinese academy of engineering Foreign member of the French national academy of medical sciences President of the Organ Transplantation Physician Branch of the Chinese Medical Doctor Association	致辞	<b>叶启发 Prof. Ye Qifa</b>
08:05-08:30	领导与嘉宾致辞 Speeches of invited guests		
	Barry Sharpless 美国科学院院士 2001 诺贝尔化学奖获得者 Barry Sharpless, Nobel Laureate Member of US Academy of Science	致辞	
08:30-08:45	国际器官保护协会成立 Establishing of International Organ Protection Society		<b>徐 骁 Prof. Xu Xiao</b>
08:45-09:00	<b>所有参会人员合影及茶歇 Group Photo and Tea Break</b>		
	<b>器官保护先进技术发布会 Advanced Organ Protection Technology Press Conference</b>		

大会议程 AGENDA

第四届国际器官保护论坛			
Academic Session of 4th International Conference for Organ Protection			
时间 Time	议题 Topic	讲者 Speaker	单位 Institution
09:00-11:45	<b>器官保护：国际化视野 Organ Protection: an International Perspective</b>		<b>主持：朱有华 罗均 李立 周琳 Host : Zhu Youhua, Luo Jun, Li Li, Zhou Lin</b>
第一节 Part I			
09:00-09:15	探索科学高峰：诺奖成长之路 Exploring the Peak of Science: The Way of Nobel Prize Growth	Barry Sharpless	斯克里普斯研究所 Scripps Research Institute
09:15-09:30	常温体外器官灌注：器官保存的新范例 Normothermic Ex vivo Organ Perfusion: A New Paradigm for Organ Preservation	辛立明 Xin Liming	上大-树兰研究院 加拿大多伦多大学博士后 Shanghai University- Shulan Research Institute Postdoctoral Fellow, University Of Toronto, Canada
09:30-09:45	干细胞及胰岛移植 Stem Cells and Islet Transplantation	Jonathan Lakey	美国加州大学尔湾分校教授，临床胰岛 移植国际标准制定者 University Of California Writer Of International Standard Protocol For Clinical Islet Transplantation
09:45-10:00	器官保护技术转化研究：化学家新视野 Transformation Of Organ Protection Technologies: A New Perspective For Chemists	Christophe Allemann	Professor Of Process Chemistry, HES-SO// HEIA-FR
10:00-10:15	联合干细胞治疗血管损伤的实验基础 Experimental Basis Of Combined Stem Cells Therapy For Vascular Injury	吴向未 Wu Xiangwei	石河子大学, 美国阿拉巴马州立大学, 国家千人计划入选者 Shihezi University, University Of Alabama, USA, Member Of The National Thousand Talents Program





## 大会议程 AGENDA

第二节 Part II	器官保护：医、工、信融合 Organ Protection: Fusion Of Medicine, Industry And Informatics		主持：夏强 李劲松 王彦峰 宋朋红 Host : Xia Qiang, Li Jinsong, Wang Yanfeng, Song Penghong,
时间 Time	议题 Topic	讲者 Speaker	单位 Institution
10:15-10:25	智能肿瘤靶向纳米探针设计及其在肿瘤诊疗中的应用 Intelligent Tumor-Targeting Nanoprobe Design And Their Application In Cancer Diagnosis And Therapy.	吴明红 Wu Minghong 王艳丽 Wang Yanli	上海大学环境与化学工程学院 纳米化学与生物化学研究所 School Of Environmental And Chemical Engineering Institute Of Nanochemistry And Nanobiology
10:25-10:35	提高我国供肺利用率的瓶颈及对策 Challenges And Strategies For Improving The Utilization Of Lung Supply In China	陈静瑜 Chen Jingyu	无锡市人民医院肺移植中心 Lung Transplantation Center, Wuxi People's Hospital
10:35-10:45	医工融合推动器官质量评估及维护进步 Promotes The Quality Evaluation And Maintenance Of Donor Organs By Medical And Industrial Fusion	冉江华 Ran Jianghua	昆明市第一人民医院肝胆胰外科 Department Of Hepatobiliary And Pancreatic Surgery, 1 <sup>st</sup> People's Hospital Of Kunming
10:45-10:55	全流程移植器官保护策略与实践 The Whole Process Of Human Organ Protection For Transplantation: Strategy And Practice	李建辉 Li Jianhui	浙大一院 卫生部多器官联合移植研究重点实验室 1st Hospital Of Zhejiang University University Of Lausanne, Switzerland
10:55-11:05	低温携氧机械灌注通过P选择素依赖和非依赖途径减轻小鼠DCD肝脏损伤 Hypothermic Oxygen-Carrying Machine Perfusion Alleviates DCD Liver Injury In Mice By P-selector-Dependent And Nondependent Pathways	曾宪鹏 Zeng Xianpeng	武汉大学肝胆疾病研究院 武汉大学移植医学中心 Institute Of Hepatobiliary Diseases, Wuhan University Wuhan University Transplant Medical Center

## 大会议程 AGENDA

第三节 Part III	器官保护：临床转化探索 Organ Protection: Continuously Clinical Translational Exploration		主持：寿张飞 谢海洋 彭心宇 董燕萍 Host : Shou Zhangfei, Xie Haiyang, Peng Xinyu, Dong Yanping
时间 Time	议题 Topic	讲者 Speaker	单位 Institution
11:05-11:15	HOPE与HMP对减轻肝脏热缺血损伤的对比研究 A Comparative Study Of HOPE And HMP In Alleviating Hepatic Ischemic Injury	范晓礼 Fan Xiaoli	武汉大学肝胆疾病研究院 武汉大学移植医学中心 Institute Of Hepatobiliary Diseases, Wuhan University Wuhan University Transplant Medical Center
11:15-11:25	新型器官保存液转化应用研究 Research On The Application Of New Organ Preservation Solution	赵闻雨 Zhao Wenyu	长海医院 Changhai Hospital
11:25-11:35	人工肝脏技术研究进展 Progress Of Artificial Liver Technology	盛国平 Sheng Guoping	树兰医疗 Shulan Medical
11:35-11:45	机械灌注促进减体积肝移植供肝再生的基础研究 Study Of Machine Perfusion For Graft Regeneration After Reduce Size Liver Transplantation	贾俊君 Jia Junjun	浙大一院 卫生部多器官联合移植研究重点实验室 1st Hospital Of Zhejiang University Key Laboratory Of Multiorgan Transplantation Of The National Ministry Of Health China
大会总结发言 Closing Speech			主持：周琳 教授 Host : Zhou Lin
大会结束午餐 Lunch			





## 国家卫生与健康委员会多器官联合移植研究重点实验室

Key Laboratory of Multi-Organ Transplantation of the National Ministry of Health China

国家卫生与健康委员会多器官联合移植研究重点实验室是国内外器官移植研究领域的领导者，综合研究实力雄厚，实验条件完备。实验室总面积超过 8000M<sup>2</sup>，实验室下设分子生物研究室、免疫研究室、病理研究室及动物实验室，具备先进的动物实验和分子生物学实验条件，实验设备价值过亿。拥有博士研究生导师 13 名，硕士研究生导师 31 名。作为博士后流动站，已进站博士后 11 名，近 5 年来共培养博士研究生 72 人，硕士研究生 163 人，在 Nature, Gut 和 Journal of Hepatology 等杂志发表 SCI 论文 200 余篇；获奖国家科技进步奖（创新团队）一等奖，国家科技进步一等奖 1 项，二等奖 2 项。

## 学术带头人

Academic Leader



郑树森

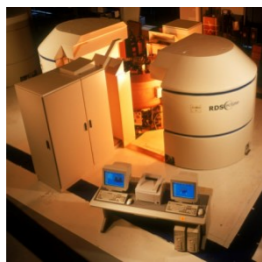
Zheng Shusen

中国工程院院士 / 教授、博士生导师

Academician of Chinese Academy of Engineering  
Professor, Doctoral Supervisor

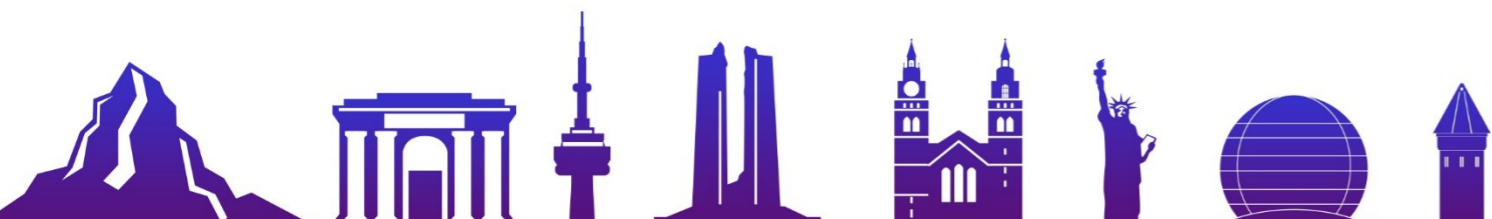
郑树森，中国工程院院士、法国国家医学科学院外籍院士、浙江大学外科学教授。现任国家卫生与健康委员会多器官联合移植研究重点实验室主任，浙江大学学术委员会副主任、浙江大学器官移植研究所所长、浙江大学附属第一医院学术委员会主任、肝胆胰外科主任，树兰医疗总院院长，中华医学会副会长、中国医师协会副会长、中国医师协会器官移植医师分会会长、中国医师协会住院医师规范化培训外科专业委员会主任委员，美国外科医师协会会员（FACS），国际肝移植协会（ILTS）委员会委员，国际活体肝移植执行委员会委员，国际肝胆胰协会委员。在器官移植和肝胆胰外科领域成绩卓著，在国际上首次提出肝癌肝移植受者选择的“杭州标准”及移植后乙肝复发防治新方案。截止2018年，成功施行肝移植2300余例，良性肝病受者1年生存率达95.2%；在基础研究方面，2003年及2009年，两度作为首席科学家承担了我国器官移植领域的国家重点基础研究发展计划（973项目）：“移植器官慢性失功的免疫学应用基础研究”（2003-2008年）和“器官移植的免疫学应用基础研究”（2009-2013年）。荣膺国家科学技术进步奖特等奖、国家科技进步奖（创新团队）一等奖、国家科技进步一等奖1项、二等奖2项、教育部长江学者和创新团队发展计划、国家自然科学基金委创新研究群体等荣誉称号。

Zheng Shusen, Academician of Chinese Academy of Engineering, Professor of Surgery, the famous surgical specialist in the fields of Organ transplantation and Hepato-pancreato-biliary surgery. Starting from the first successful liver transplantation in Queen Mary Hospital of Hong Kong University in October, 1991, Professor Zheng has devoted himself to the development of liver transplantation in China. He performed first liver transplantation in Hangzhou in 1993, setting off a new upsurge of liver transplantation in China. Up till now, he has completed 2300 cases of liver transplantation. He established the Hangzhou Criteria for HCC recipients' selection in liver transplantation and the strategy of for prevention and management of HBV recurrence after liver transplantation. He has published more than 400 articles in international journals



### The Introduction of Key Laboratory of Multi-Organ Transplantation of the National Ministry of Health, China

We have a national reputation for excellence and achievement in comprehensive research strength and experimental conditions. Our research centers are more than 8000 M<sup>2</sup> and consist of molecular biology laboratory, immunology laboratory, pathology laboratory and animal laboratory. The total value of research equipment is more than 100million RMB. Last five years, we have 13 doctoral supervisors, 31 master Tutors, plus we have successively supervised 11 post doctorate scientists, 72 PhD students and 163 Masters in and we have published more than 200 papers in SCI journals, including Nature Gut and Liver Transplantation; we have been approved by the National Science and Technology Progress Award (Innovation Team) First Prize. One project approved by the first prize of national scientific and technological progress award, two won the second prize of national scientific and technological progress award.





## 上海大学树兰医工研究院

Shanghai University-Shulan Medical Engineering Research Institute

上海大学树兰医工研究院于 2017 年 11 月成立。研究院聘请了来自上海大学和树兰医疗的中国工程院院士、中国科学院院士、国家杰出青年、国家千人学者、上海领军人才、上海市优秀学科带头人等高端人才，组成了研究院顾问团及学术委员会，共同带领医工院的一批具有学科交叉背景的中青年骨干教师，医护人员，工程人员，研究生，共同开展医工结合领域的产学研工作。

上海大学和树兰医疗合作成立上海大学树兰医工研究院，旨在推动医工结合领域的深度交叉融合创新。上海大学作为国家 211 工程高校，同时也是上海市和教育部、国防科工局共建的综合性高校，其涉及临床医学和医工结合的学院有生命、机自、环化、通信、材料、理学、计算机等七个学院，已经开展了生物材料、医工交叉融合、纳米医学、生物医学工程、生命科学、创新药物、器官修复与移植等领域的医工结合研究。树兰医院是由李兰娟院士和郑树森院士发起创办的，以“高水平的专家、高质量的医疗、高品质的服务”为标准，围绕“全人全程”健康服务理念建设的国际化、智能化、标准化、人性化新型综合医院。医工研究院的建设倡导打破学科间壁垒；倡导多学科深度交叉融合；倡导从临床实际需求出发；倡导前沿探索，基础储备，产业转化并重。

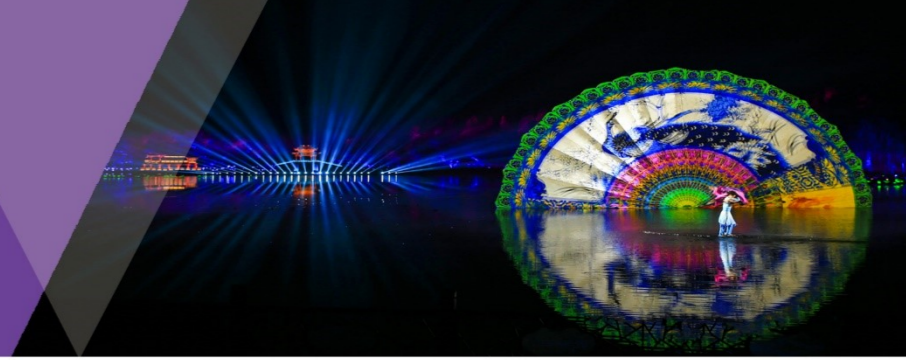
上海大学树兰医工研究院目前围绕器官保护，疾病精准诊疗展开研究，重点包括肿瘤边缘标记染料，离体器官灌注、器官转运、荧光介导治疗、影像示踪等研究方向。

Shanghai University-Shulan Medical Engineering Research Institute was established in November 2017. The institute has recruited high-level talents from the Chinese Academy of Engineering, the Chinese Academy of Sciences, the Chinese Academy of Sciences, the National Outstanding Youth, the National Thousand Scholars, the Shanghai Leading Talents, and the Shanghai Excellent Academic Leaders from Shanghai University and Shulan Medical. The academic committee jointly leads a group of young and middle-aged teachers, medical personnel, engineering personnel and postgraduates with a cross-disciplinary background in the medical and industrial colleges to jointly carry out research and production work in the field of medical work.

Cooperated by Shanghai University and Shulan Medical, the institute aims to promote deep cross-integration and innovation in the field of medical and industrial integration. As a national 211 engineering university, Shanghai University is also a comprehensive university jointly established by Shanghai, the Ministry of Education and State Administration of Science, Technology and Industry for National Defense. Its seven colleges involving in clinical medicine and medical engineering, including life, machine, cyclization, communication, materials, science and computer, have carried out research on the combination of medical materials in the fields of biomaterials, medical and industrial cross-fusion, nanomedicine, biomedical engineering, life sciences, innovative medicine, organ repair and transplantation. Shulan Hospital was founded by Academician Li Lanjuan and Academician Zheng Shusen. With the standards of "high-level experts, high-quality medical care and high-quality services", the Shulan Hospital is international and intelligent around the concept of "all-person" health service, standardized, humanized new comprehensive hospital. The construction of the Institute of Medical Engineering advocates breaking the interdisciplinary barriers; advocating multidisciplinary deep cross-integration; advocating from the actual clinical needs; advocating frontier exploration, basic reserves, and industrial transformation.

Shanghai university-Shulan medical engineering research institute is currently conducting research on organ protection, precise diagnosis and treatment of diseases, focusing on the research of tumor edge marker dyes, perfusion of organs, organ transport, fluorescence-mediated therapy, and image tracing.





## 武汉大学移植医学中心

Transplant Medical Center of Wuhan University

武汉大学肝胆疾病研究院暨武汉大学移植医学中心经武汉大学批准，于2006年由前法国总统希拉克奠基，2007年在中南医院正式组建，现已发展成为集医疗、科研和高层次人才培养为一体的肝、胆、胰、脾疾病的临床治疗和科研中心。叶启发教授任院长，学科团队为湖北省自然科学基金创新群体，是武汉大学硕、博士点及博士后流动站。

肝胆疾病研究院下设临床部（肝胆外科、移植外科）和基础部（肝胆胰脾基础研究中心、DCD应用研究中心），是国内首家获批DCD器官移植资质的单位，创建了卫生部移植医学工程技术研究中心武汉大学中南医院基地、移植医学技术湖北省重点实验室、武汉市自体肝移植工程技术研究中心、湖北省肝胆疾病学会等平台。

**临床部:**以肝胆胰脾常见病、多发病和疑难重症为常规医疗项目，以DCD（公民逝世后捐献，Donation after Citizen's Deceased）器官移植为特种医疗方向，以背驮式肝移植、自体肝移植为特色品牌。已开展自体肝移植国际最大病例组，在全国20余三甲医院得到广泛应用，疗效达到国际先进水平。开展DCD器官移植逾300例/年，数量、质量均居全国前列，被世界卫生组织（WHO）、国际移植协会（TTS）盛赞为中国器官捐献与移植工作国内标杆。

**基础部:**拥有逾2000m<sup>2</sup>的实验基地，并配备设施完善的肝胆胰脾基础研究和DCD应用研究中心，实验设备价值逾千万元。DCD应用研究中心立足于器官移植配型、淋巴毒实验、免疫抑制剂浓度检测、移植病理等几大常规检查，以器官移植的应用基础研究和开发为主旨，已凝练形成5个特色研究方向：背驮式和自体肝移植的基础和临床研究；供、受体器官功能评价研究；组织细胞移植研究；供、受体分子生物学及基因多态性研究；生物医学材料及组织工程研究。

Institute of Hepatobiliary Diseases of Wuhan University and Transplant Medical Center of Wuhan University were approved by Wuhan University and launched in 2006 by former French President Jacques Chirac, officially formed in Zhongnan Hospital in 2007. It has now been developed as a medical treatment, scientific research and high-level personnel training center for clinical treatment and researching of liver, gallbladder, pancreas, spleen diseases. Professor Ye Qifa is the dean of the center, leading the team to be innovation group of Natural Science and Technology Foundation of Hubei Province.

The institute includes clinical department (Hepatobiliary surgery, Transplant surgery) and basic research department (Hepatobiliary, pancreas and spleen basic research center, DCD application research center), which is the first DCD organ transplant qualification units in China. The platform of Wuhan University Zhongnan Hospital base of Transplantation Medicine Engineering Technology Research Center of the Ministry of Health, Key laboratory of Transplantation Medical of Hubei Province, autologous liver transplantation research center of Wuhan, Hubei Hepatobiliary Disease Society have been established.

**Clinical department:** Regular service includes treatment of Hepatobiliary, pancreas and spleen diseases, specialized in piggy-back liver transplantation and autologous liver transplantation. Autologous liver transplantation has been carried out to be the international largest cases group, and the technique has been widely promoted in more than 20 first-class hospitals in China. The curative effect has reached the international advanced level. Organ transplantations have been carried out more than 300 cases per year, which ranked the highest level both of quantity and quality in China. It has been highly praised by the World Health Organization (WHO) and The Transplantation Society (TTS) as a benchmark for organ donation and transplantation in China.

**Basic research department:** experimental base area exceeded 2000m<sup>2</sup>, and was equipped with high level basic research and DCD application research equipments. DCD application research center provided major routine examinations, such as organ transplantation HLA matching, CDC test, concentration test of immunosuppressor, and transplantation pathology. Five characteristic research directions had formed: Basic and clinical research of piggyback and autologous liver transplantation, Organ function evaluation; Tissue and cell transplantation; Research on molecular biology and gene polymorphism of donor and recipient; Biomedical materials and tissue engineering research.

## 学术带头人

Academic Leader



叶启发

Ye Qifa

教授、博士生导师

Professor, Doctoral Supervisor

西德海德堡大学移植外科学博士，现任卫生部移植医学工程技术研究中心主任、武汉大学肝胆疾病研究院院长、武汉大学移植医学中心主任，兼任中国医院协会器官获取与分配管理委员会主任委员、中国医师协会器官移植医师分会副会长和移植器官质量控制专业委员会主任委员、中华医学会器官移植学分会常委、湖北省肝胆疾病学会会长等。

Doctor Of Transplant Surgery Of Heidelberg University, Director Of Transplantation Medicine Engineering Technology Research Center Of The Ministry Of Health, President Of Institute Of Hepatobiliary Diseases Of Wuhan University, Director Of Transplant Medical Center Of Wuhan University, Social Appointments Included Chairman Of Chinese Hospital Association Organ Procurement And Allocation Administrative Committee, Vice Chairman Of The Chinese Doctor Association Organ Transplant Branch And Director Of Quality Control Committee Of The Branch, Chairman Of Hubei Hepatobiliary Disease Society, Etc.







## 莱普晟医疗

### Life Perfusor Medical

莱普晟医疗创立于 2016 年末，坐落于浙江省政治经济文化中心——杭州。莱普晟医疗是国内唯一由双院士领衔技术开发，由留学瑞士伯尔尼大学、美国哈佛大学、麻省理工海归博士联合创立的专注于器官及组织保护的相关医疗技术及产品的研发、转换 及生产型高端技术企业。公司核心技术整合了双国家科技进步一等奖（2014, 2015），国家科技进步特等奖（2017）、国家 863 高新技术研发的数项成果。公司致力于持续推进器官保护产、学、研工作，成为全球器官保护领域的领军企业。

Established in late 2016, Life Perfusor Medical is located in Hangzhou, the political, economic and cultural center of Zhejiang province. It is the only domestic company focusing on the research, development, translation and manufacture of medical technologies, apparatus and instruments related to organ and tissue protection, repair, regeneration and transplantation. The founders of the company include academicians, M.D.s and Ph.D.s from Harvard University, MIT, and University of Bern in Switzerland. Integrating award-winning technologies (the first prize of "National Science and Technology Progress Award" in 2014 and 2015, special prize of "National Science and Technology Progress Award" in 2017, and "National 863 High-tech Research and Development Achievement"), company is striving to become a global leader in the field of organ and tissue protection.



## 一期产品布局

### Current Pipeline

#### 全自动器官灌流修复系统

Fully automatic repair system for organ perfusion



#### 移动式智能保存转运装置

Mobile intelligent device for organ storage and transport



#### 无人机移植器官转运先进技术

Advanced technologies for transplanting and transporting organs by unmanned aerial vehicles



#### 中国移植器官转运及质控数据平台

Organ Transportation and Quality Control Data Platform of China (OTQC)



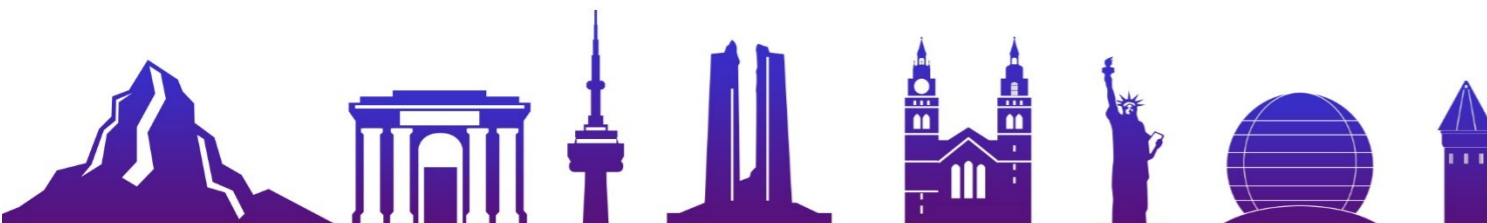
#### 一次性使用移植器官获取管路套装

Disposable organ harvesting kit



#### 多器官保护及灌流溶液

Multi-organ protection and perfusion solution





## 国际器官保护大会历程

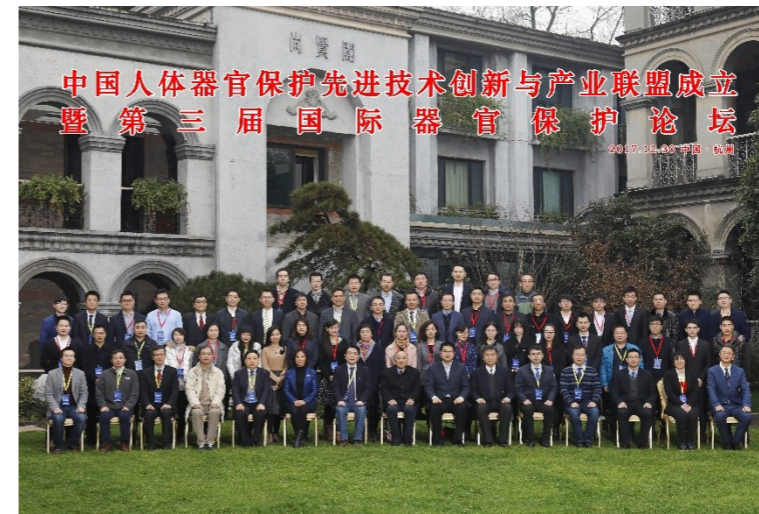
### History of International Conference for Organ Protection

国际器官保护大会及论坛在郑树森院士、叶启发教授、朱有华教授、Hendrick Taeverai 教授, Praveen Kumar Vemula 教授等国内外知名学者支持下自 2015 年初首届召开以来, 已成为探索器官保护研究前沿学术问题、推动该领域国际间的交流的一个专业化的高端学术交流平台

This international organ protection conference and forum, called upon since 2015 by academicians Shusen Zheng, professor Zhu Youhua, professor Ye Qifa, Prof. Hendrick Taeverai, Prof. Praveen Kumar Vemula, and other well-known domestic and foreign scholars, has become a frontier academic platform for organ protection technologies worldwide.

2015.12 月, 国际器官保护研究与转化医学青年论坛在杭州五洋宾馆隆重召开。

In December 2015, the International Forum on Organ Protection Research and Translational Medicine was held in Hangzhou Wuyang Hotel



2017.12 月国际器官保护论坛大会, 在杭州新新饭店隆重召开。

In 2017.12, International Organ Protection Conference was held in Hangzhou Xinxin Hotel.

2017 年 12 月 29 日, 人体器官保存、修复、养护方面的先进技术医院、研究机构、企业联合建立了【中国人体器官保护先进技术创新与产业联盟】, 旨在发展成为一个引领国际的世界性专业协会。

On December 29, 2017, to merge the advanced technology hospitals, research institutions and enterprises in human organ preservation, repair, we jointly established [China advanced technology innovation and industry alliance for human organ protection], aiming to develop into a world-leading professional association.



编写了中国器官移植保护专家共识及我国第一本器官机械灌注保存与修复专著

Write experts consensus on organ protection of transplantation in China, and the first monograph of machine perfusion for organ preservation and repair in China





LIFE PERFUSOR

