

## SCIENTIFIC PROGRAM

### SESSION LECTURE

No. 43

Transplantation-2

Room: 309B

Co-Chairs: Bingyi Shi



John Fung



Day 3 October 29<sup>th</sup> (Monday) 8:30 – 12:30

Time	Speaker	Title
8:30-8:35	<b>Zhongyang Shen</b> <i>Tianjin First Central Hospital, China</i>	Speech
8:35-8:40	<b>Bingyi Shi</b> <i>Chinese PLA 309 Hospital, China</i>	Speech
8:40-8:45	<b>John Fung</b> <i>University of Chicago, USA</i>	Speech
8:45-9:15	<b>Tector Joseph</b> <i>University of Alabama, USA</i>	Update in xenotransplantation
9:15-9:45	<b>Luhan Yang</b> <i>eGenesis Bio, USA</i>	Xenotransplantation as a Clinical Reality Using CRISPR-Cas9 Technology
9:45-10:15	<b>Shengshou Hu</b> <i>Fuwai Hospital, CAMS, China</i>	Current status of heart transplantation in China
10:15-10:45	<b>John Fung</b> <i>University of Chicago, USA</i>	Evolution of liver transplant immunosuppression
10:45-11:00	<b>Tea Break</b>	
11:00-11:30	<b>Masatoshi Makuuchi</b> <i>Towa Hospital, Japan</i>	The Development in Living Donor Liver Transplantation in Japan
11:30-12:00	<b>Robert Montgomery</b> <i>New York University, USA</i>	AMR diagnosis and treatment
12:00-12:30	<b>Stanley C. Jordan</b> <i>Cedars-Sinai Medical Center, USA</i>	Novel Approaches to the Sensitized Kidney Transplant Recipient



### Bingyi Shi

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Prof. Bingyi Shi is currently the director of the Institute of Organ Transplantation of the 309 Hospital of the People's Liberation Army, director of Beijing Key Laboratory of Organ Transplantation and Immunomodulation, chairman of Chinese Society of Organ Transplantation, chairman of the Beijing Society of Organ Transplantation, team leader of National Kidney Transplantation Group. Prof. Shi has long been engaged in clinical and basic research in urology and organ transplantation and has extensive clinical experience.



### Zhongyang Shen

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Dr. Zhongyang Shen, serves as the standing committee of CPPCC, is a renowned leader in the field of organ transplantation in China. Dr. Shen is the president of Tianjin First Central Hospital, the director of China Organ Donation Administrative Center. Dr. Shen developed specific Hepatitis B immune globulin (HIBG) and proposed a joint prevention scheme by use of Lamivudine plus HBIG, which can effectively prevent the recurrence of HBV after liver transplantation and widely using in liver transplantation in China.



### Shengshou Hu

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President of Fuwai Hospital, Director of National Center for Cardiovascular Diseases, President of National Clinical Research Center for Cardiovascular Diseases, Director of National Clinical Research Center for Cardiovascular Diseases Academician of the Chinese Academy of Engineering, Foreign Associated Member of French National Academy of Medicine, is an academic leader of cardiovascular surgery in China. His pioneer work conducts minimally invasive coronary artery bypass grafting surgery, hybrid approach to cardiovascular disease and complex congenital heart disease.



### Luhan Yang

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Dr. Luhan Yang, co-founder and CEO of Qihanbio, co-founder and CSO of eGenesis. She previously developed the highly programmable genome-engineering tool, CRISPR/Cas9, for use in mammalian cells, and pioneered the first isogenic human stem cell lines to model human diseases at the tissue level. She was recently honored in the Bloomberg 50 (2017), named "Young Global Leader" by the World Economic Forum (2017). the sensitization of organ transplantation.



### John Fung

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Dr. John Fung is a renowned leader in the field of organ transplantation, including liver, kidney, pancreas, islet and intestinal transplantation. Additionally, he's an accomplished immunologist and has introduced procedures to improve donor organ preservation. Dr. Fung has a longstanding research interest in transplantation immunology, immunosuppression therapy and liver related immunology.



### Robert Montgomery

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Dr. Robert Montgomery is the director of the Transplant Institute at NYU Langone Medical Center. He works on difficult kidney transplant surgeries, often involving multiple kidney swaps, has been profiled on numerous television programs including the Today Show, NBC Evening News and Good Morning America. He also starred in the Hopkins mini-series in 2008 on ABC. Dr. Montgomery's research is focusing on antibody-mediated rejection.



### Masatoshi Makuuchi

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Dr. Makuuchi is one of the most famous liver transplant specialist in the world. He is the chairman of the International Association of Surgeons, Gastroenterologists and Oncologists (IASGO) and the chairman of Japanese surgery Association. Dr. Makuuchi performed the first pediatric living donor liver transplantation, the first adult living donor liver transplantation by Left hemihepatectomy in living donor, the first extended lateral segmentectomy using intraoperative ultrasound to obtain a partial liver graft in the world.



### Tector Joseph

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Dr. Tector is a liver transplant surgeon with clinical expertise in multi-visceral and small bowel transplantation. He is a funded surgeonscientist with a nationally recognized research program in xenotransplantation.



### Stanley C. Jordan

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Dr. Jordan is medical director of the kidney transplant program, transplant immunology laboratory and director of nephrology at Cedars-Sinai Medical Center. He is also Professor of Pediatrics & Medicine at the David Geffen School of Medicine at UCLA. His research work is focus on the sensitization of organ transplantation.