Pacific Rim Health Innovations Conference (PRHIC)

**DATES: 21-24 September (China)**

**20-23 September, 2022 (USA)**

VENUE: International Conference Center at FAH-SYSU

(Remote Attendance Available)

Co-organized by

The First Affiliated Hospital, Sun Yat-sen University

&

CITRIS and the Banatao Institute, University of California at Berkeley

Co-sponsored by

Lingnan Foundation
&

Health Care Science

**Agenda**

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| **Opening** |
| **Time:** Wednesday, 21/9/2022, 08:00 -08:15 (China time)**Moderators:** WANG Haibo and David Lindeman |
| **Time** | **Topics** | **Speaker** |
| 08:00 - 08:15 | Remarks | **XIAO Haipeng**President, FAH-SYSU; Executive Vice President, SYSU |
| **Katherine** **Yelick**Vice Chancellor for Research, UC Berkeley |
| **Ding-Jo Currie**President, Lingnan Foundation |
| **LI Xinsheng**Vice President, Shenzhen Mindray Bio-Medical Electronics Co., Ltd. |

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| **symposium 1** |
| **Time:** Wednesday, 21/9/2022, 08:15 -10:00 (China time)**Topic:** Global Lessons from COVID-19: Directions for Research and Interventions **Moderators:** WANG Haibo and David Lindeman |
| **Time** | **Topics** | **Speakers** |
| 08:15 - 08:35 | **Keynote speech**Lessons from the COVID-19Pandemic: Using One Health to address the grand challenges of our time | **Jonna Mazet**Vice Provost – Grand Challenges, Chancellor's Leadership DistinguishedProfessor of Epidemiology and Disease Ecology, UC Davis |
| 08:35 - 08:55  | **Keynote speech**How Johns Hopkins applied precision medicine to COVID-19?  | **Brian Garibaldi**Director of Biocontainment Unit, Associate Professor of Medicine,Johns Hopkins Medicine |
| 08:55 – 09:10 | **Short Lecture**Lessons from the COVID-19 Pandemic: Healthy Davis Together – A Case Study | **Bradley Pollock**Professor; Associate Dean and Rolkin Chair in Public Health Sciences, UC Davis Health |
| 09:10 – 09:25 | **Short Lecture**Global excellent practice and experience: countermeasures in a large university hospital in China | **LUO Fengming**Deputy Secretary,West China Hospital of Sichuan University |
| 09:25 –09:55 | **Panel Discussion** | **Moderator: KUANG Ming and David Lindeman****ZHANG Zongjiu**Executive Vice President, Institute for Hospital Management of Tsinghua University**Jonna Mazet**Vice Provost – Grand Challenges, Chancellor's Leadership DistinguishedProfessor of Epidemiology and Disease Ecology, UC Davis **Brian Garibaldi**Director, Biocontainment Unit, Associate Professor of MedicineJohns Hopkins Medicine**WANG Ji** Professor, Expert in Immunology and Vaccine Research, The Institute of Precision Medicine, FAH, SYSU |
| 09:55 - 10:00  | **Closing** | WANG Haibo and David Lindeman |

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| **symposium 2** |
| **Time:** Thursday, 22/9/2022, 08:00 -10:15 (China time)**Topic:** Robotic Surgery: Global Advances **Moderators:** KUANG Ming and Bahareh Nejad  |
| **Time** | **Topic** | **Speaker** |
| 08:00 - 08:10 | **Opening** | **KUANG Ming**Vice President of FAH-SYSU；Dean, Zhongshan School of Medicine, SYSU**Bahareh Nejad**Director, Division of Robotic Surgery, Clinical Prof.,UC Davis Health Medical Center |
| 08:10 - 08:30  | **Keynote speech**Minimally Invasive Treatments for Renal Tumor with Inferior Vena Cava Thrombus | **ZHANG Xu**Academician of Chinese Academy of Sciences；Professor & Director, Department of Urology,Chinese PLA General Hospital & Medical School |
| 08:30 - 08:50 | **Keynote speech**University of California, Davis Health: Building a Dynamic Robotic Surgery Program | **Bahareh Nejad**Director, Division of Robotic Surgery; Clinical Prof.,UC Davis Health Medical Center |
| 08:50 - 09:10 | **Keynote speech**Colorectal Surgery: Current Status / Future Directions | **Shunsuke Tsukamoto**Assistant Chief, Department of Colorectal Surgery, National Cancer Center Hospital Japan |
| 09:10 - 09:25 | **Short lecture**Looking over the Horizon for Surgical Robotics: the Future of Hardware, Software, Innovation | **Darla Hutton**Vice President of Commercial Operations and Marketing, Intuitive Asia  |
| 09:25-09:40 | **Short lecture**Robotic Total and Partial Knee Replacement | **Jerry Chen**Consultant, Orthopaedic Surgery, Singapore General Hospital；Adjunct Assistant Professor, Duke-NUS MedicalSchool, Singapore |
| 09:40 - 10:10 | **Panel Discussion:**Global Challenges in Surgical Robotics  | **Moderator: KUANG Ming and Bahareh Nejad****Shunsuke Tsukamoto**Assistant Chief, Department of Colorectal Surgery, National Cancer Center Hospital Japan**Bahareh Nejad**Director, Division of Robotic Surgery; Clinical Prof.,UC Davis Health Medical Center**Darla Hutton**Vice President of Commercial Operations and Marketing, Intuitive Asia**Jerry Chen**Consultant, Orthopaedic Surgery, Singapore General Hospital；Adjunct Assistant Professor, Duke-NUS MedicalSchool |
| 10:10 - 10:15  | **Closing** | KUANG Ming and Bahareh Nejad |

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| **symposium 3** |
| **Time:** Friday, 23/9/2022, 08:00 -10:00 (China time)**Topic:** Advances in Health Informatics and Machine Learning: Reimagining the Use of Data for Health Care**Moderators:** WANG Haibo and Nick Anderson |
| **Time** | **Topic** | **Speaker** |
| 08:00 - 08:10 | **Opening** | **KUANG Ming**Vice President of FAH-SYSU；Dean, Zhongshan School of Medicine, SYSU |
| 08:10 - 08:40  | **Keynote speech**Machine Learning, Social Computing, NLP and Federated Learning for Digital Health | **Irwin King**Chairman and Prof. of Dept. of Computer Science & Engineering, The Chinese University of Hong Kong |
| 08:40 - 09:10  | **Keynote speech**Synthetic health data: promises and caveats for clinical research | **Vladimir Filkov**Prof., Dept. of Computer Science,Director for Translational Data Science, DataLab, UC Davis |
| 09:10 - 09:40 | **Panel Discussion**What is Coming Next for RWD Research? | **Moderator: WANG Haibo and Nick Anderson****Irwin King**Chairman and Prof. of Dept. of Computer Science & Engineering, The Chinese University of Hong Kong**Vladimir Filkov**Prof., Dept. of Computer Science,Director for Translational Data Science, DataLab, UC Davis**WANG Haibo**Vice President, Institute of Precision Medicine, The First Affiliated Hospital, Sun Yat-sen University**Nick Anderson**Cardiff Prof. of Biomedical Informatics, Chief of the Division of Health Informatics in the Dept. of Public Health Sciences, UC Davis School of Medicine |
| 09:40 - 09:55 | **Q&A** | Moderator: WANG Haibo and Nick Anderson |
| 09:55 - 10:00  | **Closing** | WANG Haibo and Nick Anderson |

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| **symposium 4** |
| **Time:** Saturday, 24/9/2022, 08:00 -10:15 (China Time)**Topic:** Innovation in Digital Health Technology: Reshaping Health Care Delivery**Moderators:** WANG Haibo and David Lindeman  |
| **Time** | **Topic** | **Speaker** |
| 08:00 - 08:10 | **Opening**  | **KUANG Ming** Vice President of FAH-SYSU；Dean, Zhongshan School of Medicine, SYSU**David Lindeman**Director, CITRIS Health, UC Berkeley |
| 08:10-08:25 | **Keynote speech**AI diagnosis in thyroid cancer | **XIAO Haipeng**President, FAH-SYSU; Executive Vice President, SYSU |
| 08:25 - 08:40 | **Keynote speech**Digital Twin in Medicine | **Zuojun Shen** Vice President and Pro-Vice-Chancellor (Research),The University of Hong Kong; Prof., College of Engineering, UC Berkeley |
| 08:40 - 08:55  | **Keynote speech**Digital Health Technology: Global Advances/Global Challenges | **Katherine Kim**Principal, Consumer Health Informatics and Health Science,MITRE Corporation; Principle Adjunct Associate Professor of Health Sciences and Health Informatics, UC Davis |
| 08:55 -09:10 | **Keynote speech**Medical Innovation at Mayo Clinic | **Kevin Bennet**Chair of Engineering Division，Co-director of Neural Engineering, Mayo Clinic |
| 09:10 – 09:25 | **Short lecture** Remote and Mobile Health Technology Solutions – Changing Where Health Care is Provided | **Allison Sekuler**Sandra A Rotman Chair in Cognitive Neuroscience, Rotman Research Institute President & Chief Scientist, Baycrest Academy for Research and Education at Baycrest Centre for Geriatric CarePresident & Chief Scientist, Centre for Aging + Brain Health Innovation Professor, Psychology, University of Toronto Professor, Psychology, Neuroscience & Behaviour, McMaster University |
| 09:25 – 09:40  | **Short lecture** Virtual and Augmented Reality: Reshaping Health Care Provider and Patient Training | **Carrie Shaw**CEO & Founder, Embodied Labs |
| 09:40 - 10:10 | **Panel Discussion**Challenges and Opportunities for Digital Health Technology | **Moderator: WANG Haibo and David Lindeman****David Lindeman**Director, CITRIS Health, UC Berkeley**Zuojun Shen** Vice President and Pro-Vice-Chancellor (Research),The University of Hong Kong; Prof., College of Engineering, UC Berkeley **Kevin Bennet**Chair of Engineering Division，Co-director of Neural Engineering, Mayo Clinic**HUANG He**Vice President, Sir Run Run Shaw Hospital,Zhejiang University, School of Medicine **Katherine Kim**Principal, Consumer Health Informatics and Health Science,MITRE Corporation；Adjunct Associate Professor of Health Sciences and Health Informatics, UC Davis |
| 10:10 - 10:15  | **Closing** | KUANG Ming and David Lindeman |