

# 2016 MDDI

Time: 9:00am – 5:00pm, 12/10/2016 (Saturday)

Address: Stata Center 32-123, MIT, 32 Vassar Street, Cambridge, MA

# Medical Device & Diagnostics Innovation Symposium



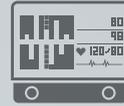
INJECTION



RESEARCH



MEDICINE



DIAGNOSE



FIRST AID



HYGIENE



## Bridging Innovation & Entrepreneurship in Medical Device & Diagnostics





The theme of this 2016 Medical Device & Diagnostics Symposium is “Innovation, Collaboration and Commercialization”. It is aimed to enhance interactions of biomedical professionals, embrace innovation and entrepreneurship, identify the technical and market trends in medical device & diagnostics business in the US and China.

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#### Admission

CABA and NECINA members: **FREE**; Non-members: **\$30**, Student: **\$15**. On-site membership registration is available.

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# Symposium Agenda

## 9:00 AM Registration and Networking

10:00 AM

### Opening Remark

**Jingzhong Zhang, Ph.D.** (CABA)

Introduction of CABA

**Eric Shi, Ph.D.** (CABA President)

Introduction of NECINA

**Tony Tian** (NECINA President)

10:20 AM

### Science and Technology System Reform in China

**Jijun Xing, Ph.D.**

Science and Technology Counselor of Chinese Consulate-General in New York

## SESSION 1 - INNOVATION AND CUTTING-EDGE TECHNOLOGIES

Moderator: **Qingqing Cao, Ph.D.**

10:35 AM

### Stretchable Hydrogel Electronics and Devices

**Xuanhe Zhao, Ph.D.** Associate Professor, Massachusetts Institute of Technology

11:25 AM

### Precision Medicine Solutions

**Ru Zheng**, Senior Manager, Thermo Fisher Scientific

11:55 AM

### Medical Application of Brain Sciences

**Bicheng Han**, CEO & Founder of BrainCo. Inc, PhD Program, Harvard University, Center of Brain Science

12:25 PM

## LUNCH BREAK AND NETWORKING

## SESSION 2 - ENTREPRENEURSHIP AND OPPORTUNITY

Moderator: **Jian Shao**, MBA

1:25 PM

### Lessons from Entrepreneurial Success

**Shuqi Chen, Ph.D.** Cofounder, CEO and Chairman of the Board of IQuum, Inc. (acquired by Roche),

2:15 PM

Rebuilding the Healthcare System around the Needs of the Patient: *Using mobile technology and human centered design to reorient chronic disease management: the challenges and opportunities*

**Trishan Panch**, Co-Founder, Chief Medical Officer and Head of Product at Wellframe; **Gopal Ramachandran, MD, Ph.D**, CTO at Wellframe

3:00 PM

**DISRUPTING HEALTHCARE: Health care is entrenched in business models and regulation – which part is most easily disruptable?**

**Philippe Schwartz**, Partner of SquarePeg Capital

3:30 PM

## COFFE BREAK AND NETWORKING

## SESSION 3 - OPERATION AND COLLABORATION

Moderator: **Lan Cao, Ph.D.**

3:45 PM

Quality Support for Organogenesis Commercial Products

**Zorina Pitkin, Ph.D.** VP of Organogenesis Inc.

4:15 PM

Introduction of Nantong Medical Device Industry Valley

**Xiang Cheng**, Chairperson of Nantong Overseas Returned Scholars Association, Jiangsu Province  
Brief Introduction of Jiangsu Bio-Medicine

4:35 PM

Overseas Talents Exchange Center

**Qiuping Zhou**, Administrative Manager, Productivity Center of Jiangsu Province; Jiangsu Center of International Technology Transfer, China

4:55 PM

## Closing Remark

**Kevin Fang, Ph.D.** (CABA, President-Elect)





*Jijun Xing, Ph.D.*

*Dr. Xing Jijun, Science and Technology Counselor in Chinese Consulate-General in New York. He received a bachelor degree of engineering, Tianjing University, a master degree in economics, People's University of China and a PhD in administrative management, Huazhong S&T University. Dr. Xing has years of experience since 1990 in managing and facilitating international scientific and technological cooperation. He served in Chinese Embassies in Norway and the Netherlands, Director of Asia and Africa and Director of Europe in the Chinese Ministry of Science and Technology (MOST). Before taking the current position, Dr. Xing served China Science and Technology Exchange Center as Deputy Director General covering*

*governmental and non-governmental cooperation in science and technology, technology transfer and academic exchanges. His personal academic interest includes low carbon development technologies and low cost health technologies etc. Dr. Xing is now still a strategic evaluation expert for international cooperation under European Horizon 2020 program.*



*Xuanhe Zhao, PhD*

*Xuanhe Zhao received his PhD in Mechanical Engineering from Harvard University. In 2010, Dr. Zhao joined the faculty of Department of Mechanical Engineering and Materials Science, Duke University. In 2014, Dr. Zhao and his group moved to Department of Mechanical Engineering, MIT, where he is now an associate professor. Dr. Zhao's current research goal is to understand and design soft materials that possess unprecedented properties and functions. Dr. Zhao is a recipient of the NSF CAREER Award, the ONR Young*

*Investigator Award, and the Early Career Researchers Award from AVS Biomaterial Interfaces Division. He held the Hunt Faculty Scholar at Duke and d'Arbelloff Career Development Chair and Robert N. Noyce Career Development Professor at MIT.*



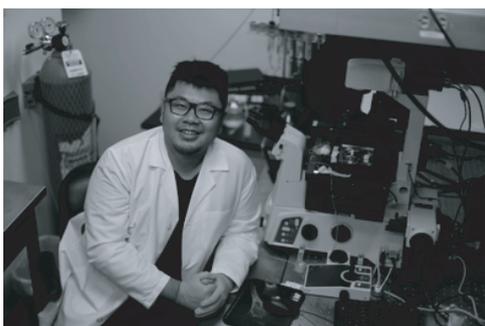
*Ru Zheng*

*Ru Zheng is a natural relationship builder and enjoys bringing out the best of others. As a certified Dale Carnegie Trainer with over 10 years of training experience, she is passionate about communication and leadership training, team building and executive coaching. As a manager in a Global Fortune 500 company, Thermo Fisher Scientific, Corporation, Ru oversees a global sales analyst team for the company's Lab Product Group, a 1.6 billion dollar division. Since Feb 2016 Ru has involved with the Precision Medicine Initiative and received many Chinese delegation for the collaboration between Thermo fisher China and its potential partners and customers. She has been serving in*





*the leadership team of New England Chinese Information and Networking Association, (aka, NECINA) since 2006, with progressing roles as PR officer, Fundraising chairperson, General Manager, President and now a member in the Board. She is also the Chair of mentor network in NECINA. With education and working background in both China and US, Ru has in-depth knowledge and can bridge the two cultures with effective communications beyond pure language translation. Her first job was a trilingual interpreter in the Canton Fair in China when she was a college student in Guangzhou Foreign Language Institute (Now Guangdong University of Foreign Studies). After working as Supply Chain Project manager in the Guangdong Machinery Import and Export Corporation, she came to US to get her MBA. After getting her MBA, she has worked in financial industry, consulting and research industry, and spent most of her career in medical devices industry: from global strategic sourcing to supply chain strategy deployment, from financial planning and analysis, to strategic pricing performance evaluation and sales data warehouse management. She was founding member and advisors of several startups. Her business acumen and leadership skills make her an effective coach for many professionals and entrepreneurs, both in China and US. Ru earned her B.A, majoring in International Business Study from Guangzhou Foreign Language Institute (Now Guangdong University of Foreign Studies), and her MBA with Global Financial Analysis concentration from Bentley College (Now Bentley University), graduated with Distinction.*



**Bicheng Han**

*Bicheng Han is a PhD student at Harvard University, Center for Brain Science and founder and CEO of two startups in Boston: BrainCo. He realizes that the technology he has learned can help people train and improve their brain functions, but most of those technology is inaccessible to the public. So he founded BrainCo in 2014, which aims to aid in the improvement of attention levels through technology and BMI wearables. BrainCo raised 5.5 million*

*dollars in 2016 and have 25 full time employees now .*

*He has bachelor degrees in Mechanical Engineering and Business Management and has worked in Seattle for 3 years in biomedical device development. He has a variety of patents of biomedical devices and has developed multiple medical devices including needle free insulin syringe, wearable defibrillator and wearable ECG monitoring device.*



**Shuqi Chen, PhD**

*Dr. Shuqi Chen, was the founder, CEO and Chairman of the Board of IQuum, Inc., which was acquired by Roche Molecular System. Inc., in 2014. After the merger, he severed as Vice President, Research and Development of Point of Care at Roche Molecular System for 2 years.*

*Dr. Chen's vision and innovative approach to medical diagnostics was the basis for the cobas® Liat system. He led IQuum to successfully develop the Liat technology and commercialize lab-quality POC molecular-diagnostic products prior to its acquisition by Roche. In recognition of his leadership at IQuum, Dr. Chen received the 2014 CEO Award from Finance Monthly. Further, in recognition of his leadership in the IQuum and*





*Roche merger, he was awarded the Massachusetts's Most Innovative Business Leaders of 2015 Awards from Acquisition International.*

*Prior to IQuum, Dr. Chen was a Faculty Member at Harvard Medical School. His research resulted in many papers published in prestige journals such as PNAS and Nature. He obtained a B.S. in Theoretical Physics, an M.S. in Biophysics, and a Ph.D. in Biology & Biophysics.*



**Trishan Panch**

*Dr Panch is a primary care physician and co-founder, Chief Medical Officer and Head of Product at Wellframe. He works at the intersection of medicine, computer science and design creating products that re-engineer care processes, empower patients and create more efficient and responsive health systems. He is an MIT lecturer in Health Sciences and Technology and is the inaugural recipient of Harvard's Public Health Innovator of the Year award. He was clinical director of Sana Mobile at MIT's Computer*

*Science and Artificial Intelligence Laboratory and currently supervises masters students from the Harvard School of Public Health and teaches on graduate courses at the Harvard School of Public Health and Harvard Medical School as well as a PhD course at MIT. He is an active speaker, published researcher and peer reviewer re: issues of computation, design, primary care, mental health and health system improvement.*

*He has set up and run primary care centers in the UK, India and Sri Lanka providing comprehensive adult, pediatric, obstetric and mental health care for complex populations in a mixture of urban and rural settings. He previously served on the expert panel of the health systems program of WHO Euro and currently serves on the board of Wellframe and the Innovation Advisory Board of Boston Childrens Hospital.*



**PHILIPPE SCHWARTZ // BOSTON**

*Philippe is an investor in Internet-related businesses. He is based in Boston. He joined Square Peg as a Venture Partner in 2014 and full time in 2015.*

*Philippe is passionate about supporting early stage companies to execute on their product and go-to-market strategies, especially in the areas of Internet of Things (connected health), consumer Internet and telecommunications.*

*With over twenty years of experience as a senior executive in these markets, Philippe has a proven track record in developing companies toward high-revenue growth and profitability and in identifying new market opportunities.*

*In his previous role he was President of Withings Inc., having previously been the founder and CEO of ooVoo, Divisional CEO at MRV Communications (NASDAQ: MRVC) and an officer in the Israeli Navy.*





*He holds a BSc. in Computer Science from the Technion, Israel Institute of Technology and an MBA from INSEAD, the European Institute of Business Administration.*



*Zorina Pitkin, Ph.D., RAC*

*Dr. Zorina Pitkin is Vice President of Quality Systems at Organogenesis Inc., Canton, Massachusetts, USA, a regenerative medicine company focused on development and commercialization of both cellular and acellular therapies in the areas of bio-active wound healing and bio-surgery.*

*She has over 20 years of extensive experience in the field of biotechnology including the development of Quality System programs for autologous and allogeneic cellular therapies, biologic/device combination products, and for xenotransplantation. Prior to joining Organogenesis in 2008, Zorina held senior management positions at RenaMed Biologics and Circe Biomedical, the two Companies developing bioartificial organs and therapeutic cell systems for treatment of acute renal failure, and acute liver failure and diabetes, respectively; and before then, a variety of positions of increased responsibility at Cellcor, a Company developing autologous cell-based treatment for renal cell carcinoma and Hepatitis B.*

*Dr. Pitkin has published 16 original papers in professional journals and has presented at numerous national and international conventions. She holds a Ph.D. in Biological Sciences from the Research Institute of Influenza, Russian Academy of Medical Sciences, and is Regulatory Affairs certified.*

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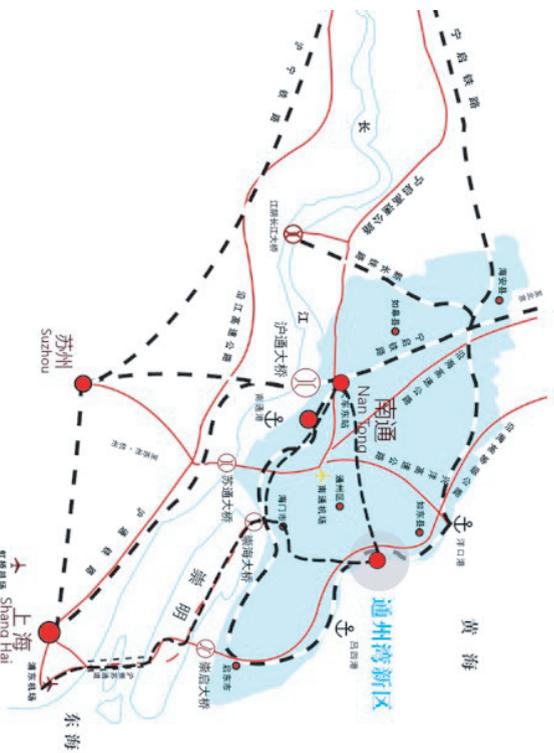
Better Cells - Better Life

#### **• Productivity Center of Jiangsu Province, Jiangsu Science & Technology Exchange Center with Foreign Countries**

#### **• Nantong Overseas Returned Scholars Association, Jiangsu Province**



# INNOVATION COLLABORATION COMMERCIALIZATION



## Brief of the Pubei Medical Instrument Valley

Tongzhou Bay New District has a good location and unique geographical advantages. It is located in the intersection of the T-shaped economic belt along the Yangtze River and the sea. The Tongzhou Bay has been situated in the Shanghai's 'One-hour Economic Rim'.

Pubei Medical Instrument Valley: The 8.34-acre Pubei Medical Instrument Valley features South part and North part 150,000 square metres of factory has been finished to ensure orderly entering of organizations in the last three years. Simultaneously, a thousand high-tech medical instrument companies has located in the promoting part of the industrial valley. A provincial-level medical instrument industrial park has been founded.



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