



Christopher Timothy Shen

Academic Staff - Hourly - CSL, Surgery

Bio

BIO

Dr. Shen is the U.S. Executive Director of the Singapore Stanford Biodesign Program and Consulting Associate Professor of Medicine at Stanford University, focusing on teaching and mentoring project-based medical technology innovation. Launched in 2010 within the Stanford Byers Center for Biodesign, the SSB program is a collaboration among Stanford University, the Singapore Economic Development Board, and the Agency for Science, Technology and Research (A*STAR). Dr. Shen has trained and continues to mentor more than twenty Singaporean fellows as they become leaders in the medical device arena.

Dr. Shen teaches the Global Biodesign course: Global Biodesign: Medical Technology in an International Context – a project-based course that exposes students to the challenges and opportunities of developing and implementing innovative medical technologies to help patients around the world. He has authored twelve patents and has several pending in the fields of interventional neuroradiology and interventional cardiology.

Dr. Shen serves as a Board Member of the Johns Hopkins Alliance for Science and Technology Development as well as an Advisor to the Johns Hopkins Center for Bioengineering, Innovation and Design.

Dr. Shen is also Managing Director of Vertex Healthcare, a venture capital firm committed to building great companies that improve the health and quality of human life. With over fifteen years of experience in medical device design and innovation Dr. Shen is focused on investments in the biopharmaceutical and medical device sectors.

Dr. Shen received his Doctor of Medicine from the Stanford School of Medicine, his Master of Business Administration from Stanford Graduate School of Business, and a Master of Biomechanical Engineering from the Stanford School of Engineering. He received his Bachelor of Science in Biological Sciences from Stanford University.

ACADEMIC APPOINTMENTS

- Academic Staff - Hourly - CSL, Surgery

ADMINISTRATIVE APPOINTMENTS

- Executive Director, Singapore Stanford Biodesign, (2010- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, Kona Medical (2014 - present)
- Board Member, Ivantis (2015 - present)

- Board Member, Moximed (2014 - present)

PROFESSIONAL EDUCATION

- MD, Stanford University , School of Medicine
- MBA, Stanford University , Graduate School of Business
- MS, Stanford University , Biomechanical Engineering
- BS, Stanford University , Biological Science

PATENTS

- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S. "United States Patent 8,142,442 Snare", Mar 27, 2012
- Palmer O, Shen, Christopher T. "United States Patent 8,137,377 Embolic Basket", Mar 20, 2012
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S, Papp J, Morales S, Peloquin C, Peterson C, Patel A. "United States Patent 7,780,694 Intravascular Device and System", Aug 24, 2010
- Shen, Christopher T, Palmer O. "United States Patent 7,004,955 Embolic Filter", Feb 28, 2006
- Palmer O, Shen, Christopher T. "United States Patent 7,004,956 Embolic Basket", Feb 28, 2006
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S. "United States Patent 6,913,612 Snare", Jul 5, 2005
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S, Papp J, Morales S, Peloquin C, Peterson C, Patel A. "United States Patent 6,660,021 Intravascular Device and System", Dec 9, 2003
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S. "United States Patent 6,641,590 Snare", Nov 4, 2003
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S. "United States Patent 6,592,607 Snare", Jul 15, 2003
- Palmer O, Shen, Christopher T. "United States Patent 6,575,997 Embolic Basket", Jun 10, 2003
- Shen, Christopher T, Palmer O. "United States Patent 6,551,342 Embolic Filter", Apr 22, 2003
- Palmer O, Shen, Christopher T, LaDuca R, Voss, L, Phonthalasa S. "United States Patent 6,402,771 Snare", Jun 11, 2002

LINKS

- Stanford Biodesign website: <http://biodesign.stanford.edu/bdn/index.jsp>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Healthcare innovation. Global medical technology assessment/needs finding. Value-driven innovation. Asia-pacific region. Medical technology development, financing, operations, regulatory, reimbursement.

Publications

PUBLICATIONS

- **Outcomes from a Postgraduate Biomedical Technology Innovation Training Program: The First 12 Years of Stanford Biodesign** *ANNALS OF BIOMEDICAL ENGINEERING*
Brinton, T. J., Kurihara, C. Q., Camarillo, D. B., Pietzsch, J. B., Gorodsky, J., Zenios, S. A., Doshi, R., Shen, C., Kumar, U. N., Mairal, A., Watkins, J., Popp, R. L., Wang, et al
2013; 41 (9): 1803-1810