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### **Education**

1985	Fellow in Coronary Angioplasty, Sequoia Hospital, Redwood City, CA
1982-1985	Fellow in Cardiology, Stanford University Medical Center, Stanford, CA
1980-1982	Resident in Medicine, University of California, San Francisco, CA
1979-1982	Resident in Internal Medicine, University of California, San Francisco, CA
1975-1979	M.D., Harvard Medical School, Boston, MA
1973-1975	M.A., Oxon. (Philosophy and Physiology), Trinity College, Oxford, U.K.
1969-1973	A.B. (Chemistry and Independent Study), Amherst College, Amherst, MA

### **Academic Experience**

2003-present	Professor of Bioengineering, Stanford
2001-present	Founding Director, Stanford Biodesign
1999-present	Professor of Mechanical Engineering (By Courtesy), Stanford
1998-present	Professor of Medicine (Cardiovascular), Stanford
2006-2013	Professor of Operations Information and Technology (By Courtesy) Stanford School of Business
2003-2007	Founding Co-Chair, Department of Bioengineering, Stanford
1996-1997	Acting Chief, Division of Cardiovascular Medicine, Stanford
1994-1998	Associate Professor of Medicine, Division of Cardiovascular Medicine, Stanford
1992-1994	Associate Professor of Medicine (Cardiology), University of California, San Francisco
1986-1992	Assistant Professor of Medicine (Cardiology), University of California, San Francisco
1985-1986	Physician Specialist in Medicine, Stanford

**Specialty Certification**

- 1985 Diplomat, Subspecialty in Cardiovascular Disease  
1982 Diplomat, American Board of Internal Medicine

**Honors (selected)**

- 2019 National Academy of Engineering Fritz J. and Dolores H. Russ Prize for outstanding bioengineering achievement that improve the human condition  
2018 National Academy of Engineering Bernard M. Gordon Prize for Innovation in Engineering and Technology Education  
2016 Member, Association of American Physicians  
2013-present Member, "Guide to America's Top Cardiologists"  
2010 Career Achievement, Cardiovascular Research Institute (Columbia Univ)  
2009 Member, National Academy of Engineering  
2008 American College of Cardiology Distinguished Scientist Award  
2007 Doctor of Science (Honoris Causa), Amherst College  
2006-present Consumers' Research Counsel of America- America's Top Cardiologists  
2006 Transcatheter Cardiovascular Therapeutics (TCT) Career Achievement Award  
2005 Phoenix 2005 Innovator Award - The Phoenix Hall of Fame for Medical Device and Diagnostic Leadership honoree  
2003 Stanford University; Department of Medicine 2003 Cardiology Divisional Teaching Award  
2003 Fellow, American Institute for Medical and Biological Engineering  
2002 Career Achievement Award, 8<sup>th</sup> Annual National Interventional Cardiology Fellows Course  
2000-present Martha Meier Weiland Professor of Medicine, Stanford University  
1990 Distinguished Service Award, Chinese Academy of Medical Sciences  
1981 Excellence in Teaching Award, Medical Students, University of California San Francisco  
1975-1979 National Scholar, Harvard Medical School  
1973 Brown Scholarship (highest overall standing, Amherst College)  
1973 President, Phi Beta Kappa, Amherst Chapter  
1973 A.B. summa cum laude, Amherst College

**Grants, Awards & Fellowships (selected)**

2019-2021	Stanford Singapore Biodesign Program Phase II Government of Singapore Agency for Science, Technology and Research Director
2015-present	Japan Biodesign in Osaka, Tokyo and Tohoku Universities and the Japan Federation of Medical Devices, fellowship program
2012-2015	Stanford-India Biodesign Phase II National Collegiate Inventors and Innovators Alliance Principal Investigator
2012-2013	Understanding the Current Status of Medical Technology in Rural China Freeman Spogli Institute of Global Underdevelopment Action Fund Principal Investigator
2011-2013	Consortium for Innovation, Design Evaluation and Action (C-IDEA) National Institutes of Health (NIH) Co-Principal Investigator
2011-2012	Examining Barriers to the Commercialization of Medical Technology Freeman Spogli Institute Global Underdevelopment Action Fund
2010-2018	Singapore-Stanford Biodesign Program Government of Singapore Agency for Science, Technology and Research Director
2008-2013	SCCTER: The Stanford Center for Clinical and Translational Education & Research Co-Principal Investigator Innovations and Pilots Unit NIH, Clinical & Translational Science Awards (CTSA)
2007-2012	Stanford India Biodesign Program Grant from the Department of Biotechnology and Ministry of Science and Technology, Government of India Training Director
2006-2011	Coulter Foundation Translational Research Partnership Co-Principal Investigator
2005-2008	Development of BME source Portal Kaufman Foundation Principal Investigator
2005-2006	BME-IDEA: Biomedical Engineering: Innovation, Design, and Entrepreneurship Alliance Annual Meeting National Science Foundation Principal Investigator
2002-2007	Biomedical Device Design & Prototype Development Program The Lemelson Foundation Principal Investigator

1994-1997 National Institutes of Health, R01 Co-Responsible Investigator  
"New Risk Factors for Coronary Artery Disease in Women"  
1974-1975 Keasbey Memorial Foundation Scholarship (Oxford)  
1974-1975 Thomas J. Watson Foundation Fellowship

**Industry Grants (selected)**

2005-2006 Novel Therapies for the Treatment of Cardiomyopathy  
Edwards Life Sciences  
Principal Investigator  
2004-2007 Invasive Assessment of the Coronary Microcirculation  
American Heart Association  
Co-Principal Investigator  
2003-2005 Determining the efficacy of intramyocardial delivery for treatment of cardiomyopathy  
Venomatrix, Inc.  
2003-2006 Co-Principal Investigator  
Local Vascular Drug Delivery against Reperfusion Injury  
KAI Pharmaceuticals, Inc.  
Principal Investigator  
2001-2006 Evaluation of Novel Interventional Cardiology  
Fox Hollow Technology  
Principal Investigator  
1998-2000 PRESTO (Prevention of Restenosis with Tranilast and Its Outcomes)  
Co-Principal Investigator, Core laboratory  
1995-1997 "Intravascular Ultrasound Quantitation of MultiLink Stent"  
Guidant Corporation  
Principal Investigator  
1994-1997 "Assessment of Improved Interventional Devices for Coronary Disease"  
Guidant Corporation  
Principal Investigator  
1993-1994 "Intravascular Ultrasound Plaque Characterization: A Validation Study  
Using Directional Coronary Atherectomy"  
DVI/Simpson Atherectomy Research Grant  
Principal Investigator

Principal or Co-Principal Investigator for multiple other cardiovascular device and intravascular ultrasound core laboratory studies.

**Societies and Affiliations**

2016-present	Association of American Physicians
2011-present	Biomedical Engineering Society
2009-present	Member, National Academy of Engineering
2003-present	Fellow, American Institute for Medical and Biological Engineering
1992-98	Member, American Institute of Ultrasound in Medicine
1992-94	Member, Council on Cardiopulmonary and Critical Care
1987-present	Fellow, American College of Cardiology
1983-94	Member, American Society of Echocardiography
1983-present	Member, American Heart Association

**Foundation and NGO:**

2015-present	Ferolyn Fund Advisory Council (Fogarty Institute)
2009-present	Board of Directors, Venturewell
2007-2009	Board of Directors, National Collegiate Inventors and Innovators Alliance (NCIIA)
2009-2013	Leadership Council, Edwards Lifesciences Center, UC-Irvine

**Government Service**

2012-2018	National Center for Advancing Translational Sciences; (NIH) Member, Advisory Council Cures Acceleration Network; National Institute of Health; Member, Advisory Council (Ad hoc since 2015)
2012-2018	Cures Acceleration Network; National Institute of Health; Member, Advisory Council (Ad hoc since 2015)

**Named, Distinguished, & Keynote Lectures (Selected)**

2019	Wilson Sonsini Goodrich & Rosati - Medical Device Dinner and Interview, "Training the Next Generation of Medtech Leaders. (June 2019)
2019	Stanford Medicine's Big Data Conference, "Apple Heart Study Spotlight" Moderator
2019	Brazil at Silicon Valley Conference, "Innovation and Brazil" Panel Speaker, Mountain View, CA
2019	National Academy of Engineering Annual Meeting (Fritz J. and Dolores H. Russ Award Ceremony)
2018	National Academy of Engineering Annual Meeting (Bernard M. Gordon Award Ceremony) "Biodesign Program: Training Approach and Outcomes"
2018	Distinguished Careers Institute (DCI), "Radically Changing Environment for Health Technology Innovation", Speaker; Stanford, CA

- 2018 Asia Society Round Table Series: "The Biodesign Process" Stanford, CA
- 2017 MDMA 10th Annual Medical Technology Executive Forum, "Future of Medtech Innovation: Where do we go from here?" Panel; Palo Alto, CA
- 2017 Case Western Reserve University, "Biodesign Process", Keynote; Cleveland, OH
- 2017 TCT, "Celebrating 40 years of PTCA and 15 years of TAVR; Denver, CO
- 2016 Spectrum Pilot Innovation Symposium, Speaker: Stanford, CA
- 2016 Launchpad Digital Health; "Biodesign Process" Keynote speaker; San Francisco, CA
- 2016 Japan Biodesign Program Launch, Keynote; Osaka and Tokyo University; Japan
- 2016 MDMA Medical Technology Executive Forum, "The Future of innovation"; Palo Alto, CA
- 2016 America India Foundation Symposium (AIF) "Biodesign Innovation" Speaker; Stanford
- 2015 Pheonix Conference; Half Moon Bay CA, Keynote Speaker
- 2015 Symposium for Japan Prime Minister Abe; Stanford, CA. Training in Innovation
- 2015 Thought Leaders Series, Singapore,(TLS) Keynote Speaker
- 2015 UCSF Entrepreneurship Center Featured Speaker
- 2015 Biomedical Device Conference, San Jose State University; Plenary speaker
- 2014 Duke Board of Trustees Panel Presentation, "The Culture of Innovation and Entrepreneurship at Stanford". Stanford, CA
- 2014 Accell Innovation Scholars Program; Guest speaker; Stanford, CA
- 2014 Biodesign New Technologies Arrhythmia Retreat, Stanford, CA
- 2014 Big Data in Biomedicine Conference, "Devices and Technology", Stanford, CA
- 2014 Rosenman Institute Launch Symposium, "The radically changing landscape of medical Technology Innovation". Speaker; University of California, San Francisco
- 2014 Rock Health Summit, San Francisco, CA
- 2014 Stanford Medicines TEDMED Innovation, Speaker; Stanford CA
- 2014 Biodesign Speed Networking event, Chairman; Stanford, CA
- 2014 Mayo Clinic Symposium "Innovation Summit", Keynote Speaker. "The (Radical) new world order in medical technology innovation"; Rochester, MN
- 2014 NIH Lean Launchpad Speaker
- 2014 Start-X Med Day, Keynote Speaker; Stanford CA
- 2014 California Healthcare Institute (CHI) Annual Mtg; Leveraging Basic Research into Therapies & Cures, Panel; Stanford, CA
- 2014 Transcatheter Therapeutics (TCT), Innovation Awards Chair; Washington DC

- 2014 Rushmer Annual Lecture Speaker, "The (radically) changing landscape in biomedical technology innovation." Dept. of Biomedical Engineering, University of Washington, Seattle
- 2014 MDMA Executive Forum, "The Future of Innovation", Panel Discussion, Palo Alto, CA
- 2013 Congress of Neurological Surgeons Scientific Program, Roundtable discussion on entrepreneurship.
- 2013 Maroney Bryan Distinguished Lecture, University of California-Davis
- 2013 BME-IDEA Workshop, Galway UK. Session Chair
- 2013 Bio-X Symposium, "Clark Center as an Incubator"
- 2013 UC Berkeley "The (Radical) new world order in medical technology innovation."
- 2012 Plenary Talk, American Heart Association Annual Meeting "Biodesign of Novel Devices for Global CVD Treatment"
- 2012 National Academy of Engineering – DeLange Conference (Rice University) "Biodesign as Process"
- 2010 Technology Innovation in Plastic Surgery (TIPS) Keynote, San Francisco
- 2010 Indian Medtech Summit Keynote, Delhi
- 2010 Leading Matters, Stanford University, Singapore, Taiwan
- 2009 University of Minnesota – Center for Medical Devices, Featured Speaker
- 2008 ASAIO Conference Keynote
- 2007 LifeScience Alley/University of Minnesota Keynote
- 2007 Amherst College Commencement: "Can We Teach Innovation?"
- 2005 Whitaker Foundation Biomedical Engineering Educational Summit Keynote
- 2004 Whitaker Foundation Biomedical Engineering Research Conference Keynote
- 2004 Society for Cardiac Angiography and Interventions: Frank Hildner Lecture
- 2003 Stanford Entrepreneurial Thought Leaders Lectureship
- 2000 Japanese Interventional Cardiology Society Distinguished Lectureship
- 2000 Plenary Session, American Heart Association
- 2000 Transcatheter Therapeutics (TCT), Featured Lecture, Washington DC
- 2000 The Society of Thoracic Surgeons Annual Meeting, Plenary Lecture, Ft. Lauderdale, FL "The Management of Coronary Artery Disease"
- 1999 Transcatheter Therapeutics (TCT), Plenary Lecture, Washington DC
- 1998 Beyond Angiography V, Keynote Speaker, (Dallas, TX)
- 1998 Board of the Founding Grant Society, Stanford University

1997	O.J. Tauber Lecturer, Texas Heart Institute
1996	The Sir Thomas Lewis Lecture, British Heart Foundation
1993	The Netherlands Heart Foundation Lecture

### **Visiting Professorships (Selected)**

2017	Case Western Reserve University
2005	University of Texas/Texas Heart Institute
2004	University of California, San Francisco
2003	University of Southern California, Mann Institute
2001	Harvard University, Massachusetts Institute of Technology, CIMIT program
1999	Kobe University Hospital (Kobe Japan)
1998	University of Southern California (Los Angeles)
1997	Methodist Hospital, Houston
1996	Mount Sinai Medical Center (NY)
1995	Beth Israel Hospital (Boston)
1993	Cleveland Clinic Foundation, Department of Cardiology

### **Grand Rounds (Selected)**

2020	Medicine Grand Rounds, Stanford University
2012	Stanford Cardiovascular Institute (Frontiers in Cardiovascular Science) Biodesign: Technology Innovation as a Discipline
2011	Stanford University (Nuclear Medicine, Department of Surgery)
2010	Stanford University (Cardiovascular Medicine)
2005	Texas Heart Institute
2005	University of California, San Francisco
2000	Stanford University, Department of Medicine
1999	University of California, San Francisco
1997	Stanford University, Department of Medicine Texas Heart Institute
1996	University of California, San Francisco



1995 Mount Sinai Medical Center (NY)

**Other Meetings (Selected)**

2011 American Institute for Medical and Biological Engineering (Stanford, CA)  
A Call to Action: Defining the Industry-Academic Relationships for Effective  
Technology Transfer in Medical & Biological Engineering

**Courses/Programs Chaired (Selected)**

2013-present Biodesign Executive Education

2010-present Biodesign Roundtable (Stanford, CA)

2002-present Biodesign "From the Innovator's Workbench", Lecture Series

2018 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Atlanta, GA)

2016 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Mineapolis, MN)

2015 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Tampa, FL)

2013 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Seattle, WA)

2011 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Hartford, CT)

2009 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Pittsburgh, PA)

2007 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance,  
(Los Angeles, CA)

2006 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Chicago, IL)

2005 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Baltimore, MD)

2005 Emerging Entrepreneurs in Biomedical Technology (Stanford, CA)

2005 Biodesign Research Retreat (Stanford, CA)

2004 Biomedical Engineering Innovation, Design & Entrepreneurship Alliance  
(Philadelphia, PA)

2004 Stanford Graduate School of Business, Health Care and Biotechnology Seminar

2003 Scientific Sessions, American Heart Association (Session Chair)

2003 American Heart Association, Santa Clara Chapter: Cardiovascular Roundtable

2003 Scientific Session, American College of Cardiology (Session Chair)

2003	Biomedical Engineering Innovation, Design & Entrepreneurship Alliance (Nashville, TN)
2003	Teaching of Innovation and Entrepreneurship in Biomedical Engineering (San Francisco)
2001	Medical Technology Leadership Forum: Conflict of Interest at the University: Industry Interface
1999	Experts Forum in BioInterventional Cardiology (San Francisco)
1999	New Era Cardiac Care: Innovation & Technology (San Diego)
1998	Medicine Meets Virtual Reality @ Stanford
1997	Complex Coronary and Vascular Interventions: A Live Demonstration Course Minimally Invasive Coronary Surgery: An Expert's Forum Patent/Start-Up 101
1997	"IVUS Simulcourse": Practical Intravascular Ultrasound for the Interventionalist
1996	Intravascular Ultrasound for the Interventionalist (Stanford, CA)
1995	Fellows Course in Interventional Cardiology (Stanford, CA)

#### **University Courses- Director**

2011-present	BioE 273 – Biodesign for Digital Health
2011-present	BioE 371 – Global Biodesign – Medical Technology in an International Context BioE 371
2003-present	BioE 374 A, B – Biodesign Innovation
2003-2008	Med 276 Careers in Biomedical Technology
1999-2002	Med272 A, B – Biomedical Technology Innovation
1999-2000	ME 194/384 – Medical Device Design, Course Co-Organizer

**Biodesign Program - Post-Doctoral and Graduate Fellows Supervised:**

2020	Saniya Ali Jay Dhuldhoya James Kintzing Swaril Mathur	Mariel Bolhouse Thomas Flores Brandon McCutcheon Alfred Song	Auriel August David Hindin Spencer Montgomery Francis Wong
2019	Adam Gold Shira Koss Manasi Ramachandran Jonathan Toma	Delphine Huang Vrad Levering Ashley Seehusen Heather Underwood	Abubaker Khalifa Melissa Morgan Medvedev Chris Stivers Amanda White
2018	Dimitri Augustin Topher Kinsella Racquel Redwood Derek Thong Andrew Chou Hanzhong Zhang	Ben Berkowitz Nassir Mokarram Ayo Roberts Orestis Vardoulis Scott Wong Jozef Bartunek	Bryan Hartley Urs Naber Patrick Thompson Zach Wolf Shanaz Rauff Matthew Oldakowski
2017	Akash Chandawarkar Vivian de Ruijter Eric Kramer Ashley Waring Mark Chong Rodrigo Bornhausen Demarch Yizhe Wu	Katie Blevins Amanda French Craig Nichols Shaili Sharma Ian Mathews Hirofumi Taki	Chirag Chauhan Janene Fuerch Leor Perl Ee Lim Tan Kenath Priyanka Prasad Rie Tomizawa
2016	Michael Carchia Rachel Gerver Mike Llewellyn Jonathan Schwartz Phin Peng Lee Xiong Zhou	Elise DeVries Justin Huelman Veronique Peiffer Craig Stauffer Cheryl Chng Daisuke Nishiuchi	Andrew Ganton Alesandro Larrazabal Shriram Raghunathan Richard Timm Khan Thien Nguyen
2015	Farzad Azimpour Bronwyn Harris Andrew Mesher Theo Tam Shashi Ranjan Ka Mung Chee Xu Wen Ng Tomoko Inoue	Michael Feldstein William Kethman Christian Moyer Frank Wang Debayan Saha Enci Mary Kan Omori Sayaka Maarten DeVos	Viral Gandhi Andrew McGibbon Todd Murphy Elisabeth Wynne Harsh Sheth James Mok Atsuhiko Nakagawa
2014	Varun Boriah Nicholas Damiano Tee Chee Keong Shreya Mehta Pru Sina Raja Yao Wang Prusothman Sina Raja Masakazu Yagi	Tiffany Chao Deevish Dinakar Ryan Krone Kathryn Olson Holly Rockweiler John Woock Benjamin Tee Yujiro Maeda	Pranav Chopra Sohail Gupta Neeraj Kumar Angela Renayanti Jonathan Steinberger Rena Dharmawan Cecilia Wang
2013	Tahel Altman Jing Ming Chew Emma Kim Luong-Van Vijaykumar Rajasekhar Kate Rosenbluth Ivan Tzvetanov	Rush Bartlett Emma Essock-Burns John Paderi Abhinav Ramani Weiming Siow Ryan Van Wert	Anirudh Chaturvedi Prashant Jha Yong Cheng Poh Andy Rink Balaji Teegala Justin Williams

2012	Dan Azagury David Camarillo David Gal Siddhartha Joshi Justin Phoon Luke Tay	Siraj Bagwan Jagdish Chaturvedi Kate Garrett Tze Kiat Ng Jonathan Pillai Pearline Teo	Buzz Bonneau Jonathan Coe Swami Gnanashanmugam Jeremy Koehler Insoo Suh Jasmine Zia
2011	Michael Ackermann Matthew Callaghan Chinmay Deodhar Fiona Loke Ravi Pamnani Garrett Smith	Avijit Bansal Avyesha Chaudhary Brandon Felkins Victor McCray Michael Schaller Iris Tan	Joelle Barral Mridusmita Choudhury Henry Ho Ashish Nimgaonkar Siddhartha Sinha Anthony Tang
2010	Pedram Afshar Pushkar Ingale Partha Ray Sandra Ruggles Aravind Swaminathan Rhunjay Yu	Ellis Garai Ritu Kamal Pulin Raje Akhilesh Sista Asokan Thondiyath	Gita Handa Darshan Nayak Rahul Ribiero Nitin Sisodia Fletcher Wilson
2009	Jake Brenner Joelle Faulkner Greg Magee John Avi Roop Darshan Nayak Asokan Thongiyath	Kevin Chao Srinivas Kiran Jaggu Erika Palmer Amit Sharma Pulin Raje	Nishtith Chasmawala Jayant Karve Ruey Peh Sandeep Singh Rahul Ribeiro
2008	David Boudreault Ron Jou Nandan Lad Nishith Chasmawala Amit Sharma	Zachary Edmonds Marie Johnson Beverly Tang Srinivas Kiran Jaggu	Brian Fahey Dorothea Koh Jamie van Hoften Jayant Karve
2007	Venita Chandra Basil Hantash Oscar Dominguez-Miranda Richard Vecchiotti Kenneth Wu Santiago Ocejó Torres	Steve Eichmann Zach Malchano Santiago Torres-Ocejo Ross Venook Sandeep Singh	Joel Goldsmith David Meister Tatum Tarin James Wall Oscar Miranda-Dominguez
2006	Kit Au-Yeung Joe Knight Carlos Mery	Gary Binyamin Uday Kumar Bilal Shafi	Jessica Hudak Bryant Lin John White
2005	Corinne Bright Henry Chen	Shubhayu Basu Ken Martin	Todd Brinton Dan Riskin
2004	Evan Anderson Amrish Walke	Jeremy Johnson Russell Woo	Kelly Richardson
2003	Aimee Angel	Dan Francis	William Overall
2002	Amir Belson Nick Mourlas	Chris Eversull Asha Nayak	David Miller

**Bioengineering – PhD Committees:**

2019	George Kimutai Korir
2017	Keya Pandia
2016	Richard Hojel
2015	Leah Malilay Chase, Livia Zarnescu, Nimit Jain, Eric Chehab, George Kimutari Korir
2014	Bianca Kapoor, Javier Guniard, Livia Zarnescu, Nimit Jain, Eric Chehab
2013	Baris Ungun, Javier Guniard, Bianca Kapoor, Jane Shin, Nimit Jain
2012	Javier Guniard, Bianca Kapoor, Jane Shin, Nimit Jain
2011	Gabriel Sanchez, Ellis Garai, Livia Zarnescu, Nimit Jain
2010	Eric Chehab, Patrick Ye, Nimit Jain
2009	Livia Zarnescu, Nimit Jain, Andreina Parisi-Amon
2008	Gilwoo Choi, Richard Gaster,
2007	Gabriel Sanchez
2006	Jordan Nevo, Kristen Fuchs, Atia Naim, Elbert Shang Hu, Kitch Wilson, James Wall, Elbert Hu
2005	Sanaz Saatchi, Oluwatosin Oyeniran, Lisa Cho, Ian Ying-Li Chen, Ivan Tzetanov,
2004	Joan Greve, Surag Mantri
2003	Jennifer Blundo
1999	Hyeonsoo Chang

**Media Reports (Selected)**

2019	STAT News; “Health tech companies often flop. But this researcher’s track record suggests there’s a strategy for success”. By MEGAN THIELKING (JULY 3, 2019)
2019	Podcast. “The Future of Everything” with Russ Altman. “Identifying the Right Needs in Health Technology Innovations” (April 2019)
2018	When Doctors Need New Medical Tools, These Students Are Up To the Challenge Smithsonian (March 2018)
2017	Stanford’s Yock Talks Medtech Costs, Biodesign’s Birthday, and How He Feels about Apple and Google, healthegy (Podcast, May 2017)
2016	Biodesign at Fifteen, MedTech Strategist (June 2016)
2016	Stanford Biodesign: “15 years of Success”, Itunes Podcast (May 2016)
2016	MedTech innovation Ecosystem: What can Asia learn and adapt from Silicon Valley Biotechn.Asia (March 2016)
2014	“Economics May Lead to Shift in Process of Innovation?” TCT Washington, DC (Sept. 2011)
2013	Stanford-India Biodesign Program <u>The Times of India</u> (March 2013)
2012	New Biolnnovate Program in Ireland, Modeled after Stanford Biodesign <u>The Irish Times</u> (July 2012)
2011	Stanford-India Biodesign as Example of a New Training Paradigm for Affordable Medtech Innovation CNN (June 2011)
2010	“Stanford Biodesign, a Hothouse for Medical Devices, Shares its Secret Sauce for Invention: <u>Xconomy</u> (June 2010)
2009	“Lessons from a Frugal Innovator”

	<u>The Economist</u> , (2009)
2007	"Mending Broken Hearts" <u>National Geographic</u> (1997)
2000	"High Tech Transfer" <u>In Vivo Magazine</u> , (2000)
1997	New ultrasound catheters for clot disruption <u>New York Times</u> (March 1997)
1995	KRON TV: "Health Matters" Interview
1994	Interview and Case Demonstration of Intravascular Ultrasound CNN, "Health Week" (March 1994)
1994	"Intravascular Ultrasound" <u>Omni Magazine</u> (Feb, 1994)
1992	"Inventing the Dream" KPIX (Channel 5) special program on Bay Area Inventors (Oct. 1992)
1992	"Ultrasound Guides a Drill to Unclog Heart Arteries" <u>New York Times</u> May 1992)

### **University Appointments and Committees (Selected)**

#### **UCSF**

Associate Director, Cardiac Catheterization Laboratory (1986-1994)  
Associate Staff Member, Cardiovascular Research Institute (1986-1994)  
Faculty, U.C.S.F./U.C. Berkeley Graduate Group in Bioengineering (1988-1994)  
Acting Director, Cardiology Animal Laboratories (1987-88)  
Member, Department of Medicine Internship Selection Committee (1988-1993)  
Chairman, Department of Medicine Quality Assurance Committee (1988-1991)

#### **Stanford**

Innovative Medicines Accelerator Design Team, member (2018)  
Bio-X Leadership Council, Committee member (2001-present)  
Bio-X Clark Center Affiliated Faculty (2015-present)  
Faculty Advisory Committee (2015-present)  
Neurosciences Institute, Senior Advisory Committee (SNI) (2015-present)  
Campaign, Advisory Committee (2015)  
Center for Innovation & Global Health Leadership Team, Member (2014-present)  
Steering Committee Stanford Cardiovascular Institute (2010-present)  
Provost Advisory Committee, member (2014)  
Board of Trustees Development Committee, member (2015-2017)  
Dean's Committee on the Transition from Clinical Innovation to Human Subjects,  
Research Member, (2010-2011)  
Public Private Partnership Task Force on Core Competencies; CTSA (2010-2011)  
Leadership Group, Stanford CTSA application and program (2007-present)  
Association for Accreditation of Human Research Protection Programs  
Member, Advisory Committee (AAHRPP (2005-2006)  
School of Medicine Executive Committee, Member (2003-2007)  
School of Engineering Executive Committee, Alternate Member (2003-2007)  
Stanford Student Biodesign, Faculty Advisor, (2002-present)  
Leadership Council, BioX, Member (2000-present)  
Planning Committee, School of Medicine Campaign, Member, (2000-2001)  
Dean's Search Committee Member, (2000-2001)

Enterprise Scholars Committee Member, (2000)  
 Center for Research in Cardiovascular Interventions, Director, (1994- 2000)  
 Cardiology Animal Laboratories, Director, (1994-2000)  
 School of Medicine, Appointments and Promotions Committee, Member, (1999-2002)  
 Biomedical Engineering Initiative Planning Committee, Member, (1999-2002)  
 Advisory Committee, Veterinary Service Center, Member, (1999 –2001)  
 BioX Space/Facility Committee, Member, (1999-2000)  
 Advisory Board, Stanford Technology Ventures Programs, Member, (1998-present)  
 Medical Device Network, Director, (1997-2001)  
 Medical School Faculty Senate, Member at Large (1997-1999)  
 Dean's Task Force on Academic/Industry Alliance (1996)  
**University of Minnesota**  
 Member, External Scientific Advisory Board, Institute for Engineering in Medicine (2009-2014)

#### **University of Washington**

Member, Advisory Board for Department of Bioengineering (2008-2010)

#### **Osaka University**

Collaborative Professor at Osaka University (2017)

### **National, State, Governmental Committees**

National Center for Advancing Translational Sciences Advisory Council (NCATS) (2012- )  
 Cures Acceleration Network, NIH, Advisory Council (2012-\_)  
 Long-range Planning Committee, Biomedical Engineering Society (BMES) (2007-2009)  
 Finance Committee, American Institute for Medical and Biological Engineering (2005-2008)  
 Founder, Biomedical Engineering Innovation, Design & Entrepreneurship Alliance (2003 – present)  
 American Heart Association, Liaison to Council on Cardiovascular Disease in the Young (2009)  
 California Health Care Institute, Sacramento Panel (2003)  
 Medical Technology Leadership Forum (1997-2003; Board of Directors (1998-2003)  
 American Heart Association, Cardiac Imaging Committee (1998-2004)  
 American College of Cardiology: Cardiovascular Imaging Committee (1998)  
 American College of Cardiology: Educational Products Committee (1997-1999)  
 Association of Professors of Cardiology (1996-present)  
 American College of Cardiology, California, Chapter Alternate Delegate (1991-92)  
 American Heart Association, California Chapter, Steering Committee (1989)  
 American Heart Association, San Francisco Chapter, Professional Education Committee (1989)  
 American Heart Association, San Francisco Chapter, Planning Committee (1988-1992)

### **Editorial Boards**

Editorial Advisory Board, Intravascular Imaging (1997-2000)  
 Editorial Advisory Board, Interventions (1997-2000)  
 Editorial Board, The Journal of Invasive Cardiology (1995-2005)  
 Editorial Board, American Journal of Cardiology (1993-1995; 1996-2002)  
 Editorial Consultant, Journal of the American College of Cardiology (1993-1997)  
 Editorial Board, Circulation (1992-2006)

### **Other Peer Review Activities**

Reviewer for:

American Heart Journal  
 Annals of Biomedical Engineering  
 Catheterization and Cardiovascular Diagnosis  
 Coronary Artery Disease  
 European Heart Journal  
 Journal of Interventional Cardiology

Journal of the American Society of Echocardiography  
Journal of Ultrasound in Medicine and Biology

### **Specialized Clinical Techniques**

Coronary angioplasty and atherectomy  
Valvuloplasty  
Intravascular ultrasound  
Coronary arteriography  
Endomyocardial biopsy  
Two-dimensional echocardiography  
Doppler echocardiography  
Color flow echocardiography

### **Patents (United States)**

1. Horzewski M, **Yock P.** Reinforcing balloon dilatation catheter with slitted exchange sleeve and method. Issued June 7, 1988; US patent no. 4,748,982
2. **Yock P.** Catheter system apparatus and method for vascular ultrasonography. Issued January 3, 1989; US patent no. 4,794,931
3. **Yock P.**, Selfridge, Alan R. Apparatus for use in cannulation of blood vessels. Issued December 19, 1989; US patent no. 4,887,606
4. **Yock P.** Ultrasound imaging probe with zero dead space. Issued February 13, 1990; US patent no. 4,899,757
5. **Yock P.** Method for intravascular two-dimensional ultrasonography and recanalization. Issued March 19, 1991; US patent no. 5,000,185
6. **Yock P.**, Arenson J. Laser catheter with imaging capability. Issued June 9, 1991; US patent no. 5,029,588
7. **Yock P.** Angioplasty method. Issued August 20, 1991; US patent no. 5,040,548.
8. **Yock P.** Angioplasty apparatus facilitating rapid exchanges. Issued October 29, 1991; US patent no. 5,061,273
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