Cornell Engineering



ECC ACTIVE MEMBERS 2014

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JAMES BECKER (Cornell B.S. '65 CE, M.S. '67)

SKANSKA USA BUILD-ING, INC.

253 Summer Street Boston, MA 02210 617 293-7704 jim.becker@skanska.com James M. Becker is a corporate senior vice president of Skanska USA Building, part of Skanska AB, a global construction company. He is responsible for overseeing the consulting services of this unit and serves as an account manager with several clients in higher education. He recently finished an assignment with Skanska AB for intra-business unit information sharing. Previously, Becker was the president and CEO of Beacon Skanska Inc. (now Skanska's New England office), which was sold to Skanska by Beacon Properties in 1997. Several of Becker's projects, including Sage Hall at Cornell, have been awarded the national AGC "Build America" Award, one of the construction industry's highest honors. He was a professor in the Department of Civil and Environmental Engineering and the Center of Real Estate at MIT.



DANIEL S. BERNSTEIN (Cornell B.S. '70)

ALEXANDER WOLF &

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1070 Park Avenue New York, NY 10128 212 972-1740 DBernstein@ awolfandson.com Daniel S. Bernstein is the owner of Alexander Wolf & Son a general contracting firm specializing in interior renovations in New York City. The company was founded in 1905 by Daniel's grandfather. They have upgraded and modernized many of the city's iconic buildings including Rockefeller Center, the Empire State Building, the original World Trade Center and the United Nations campus. Daniel is a member of the Board of Trustees of the Solomon Schechter School of Manhattan, the Park Avenue Synagogue, the Jewish Homecare Network, and the Affinity Insurance Company. Daniel is now in the midst of training his two children both of whom graduated from Cornell, Peter '03 B.S. from the College of Engineering and MBA from NYU '06 and Michelle '07 B.A. from the College of Arts and Sciences and MBA University of Miami '12 to be the fourth generation of family owners of Alexander Wolf & Son.



RONALD D. BLACK (Cornell B.S. '86 MSE, M.S./Ph.D. '90)

RAMBUS INC.

1050 Enterprise Way, Suite 700 Sunnyvale, CA 94089 408-462-8525 rblack@rambus.com Ronald Black has more than 20 years of experience managing businesses and running companies in global semiconductor and mobile markets. As president and CEO of Rambus, he provides the overall vision and leadership necessary to drive future growth for the company. Prior to Rambus, he held positions of chief executive officer for MobiWire, formerly Sagem Wireless; UPEK, which later merged with AuthenTec; and Wavecom, a publicly-traded French wireless solutions company. In addition, he has served as executive vice president of the Client Systems Group at Agere Systems, as well as holding a number of senior executive roles at other companies, including Motorola and IBM Microelectronics.



NAJIB S. CANAAN (EE '86, M.Eng. Nuclear Eng '87)

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19 Old Kings Highway South, Suite 330 Darien, CT 06820 203 567-6401 Najib.Canaan@Marinus-Cap.com Mr. Canaan is the Managing Partner of Marinus Capital Advisors. Prior to founding Marinus in 2010, Mr. Canaan was a Managing Director at GSO Capital, a Blackstone Group affiliate. Previously, Mr. Canaan was the Executive Managing Director and Co-Head of International Fixed Income at Nomura Securities International in New York (2003-2006) with responsibilities over all activities in the U.S., Europe, and Non-Japan Asia. In his various roles at Nomura, Mr. Canaan managed a trading and origination business of one thousand professionals and a balance sheet in excess of \$100 Billion. Prior to Nomura, Mr. Canaan was a Managing Director and Principal with Donaldson, Lufkin and Jenrette (DLJ then CSFB) (1988-2001). Holding several positions in research and trading, he was instrumental in establishing the Special Situations desk within the MBS Group at DLI. He is a member of the Cornell University Council, a President's Circle volunteer for the Annual Fund, a Director of the Epsilon Association at Cornell University, a member of the Advisory Council of the Buck Institute, a board member of Toktumi Inc, and a Senior Member of LIFE. He holds a B.S. in Electrical Engineering (1986) and a Master of Engineering Degree in Nuclear Engineering (1987).



LANCE R. COLLINS

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College of Engineering 242 Carpenter Hall Ithaca, NY 14853-2201 607 255-9679 engineering_dean@ cornell.edu Lance R. Collins is the Joseph Silbert Dean of Engineering. He served as the S. C. Thomas Sze Director of the Sibley School of Mechanical and Aerospace Engineering from 2005 to 2010. He joined Cornell in 2002, following 11 years on the Chemical Engineering faculty at Pennsylvania State University. Collins was part of the Cornell leadership team that won the bid to partner with New York City to build a new campus focused on innovation and commercialization in the tech sector on Roosevelt Island. His research combines simulation and theory to investigate a broad range of turbulent flow processes, including the motion of aerosol particles in turbulence, mixing and chemical reactions in turbulent flames, turbulent breakup of drops and drag reduction due to polymer additives. He is a fellow of the American Physical Society, chairs the U.S. National Committee on Theoretical and Applied Mechanics, and serves on the Division on Engineering and Physical Sciences, the latter two committees operating under auspices of the U.S. National Academies.



ROBERT A. COWIE

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DANA CORPORATION (RETIRED)

P. O. Box 2868 Carefree, AZ 85377 480 488-3192 rac56@cornell.edu After completing his Cornell education, Robert A. Cowie spent two years as an aerospace engineer and then joined C&M Spring Company, a truck components manufacturer, where he became president in 1963. Dana Corporation acquired C&M in 1970. Cowie became vice president and general manager of Dana's Spicer Front Drive Systems Division in 1976, and from 1979 to his retirement in 1990, he was corporate vice president for public affairs. In 1996, Cowie became a trustee emeritus and presidential councilor of Cornell University after completing 23 years of board service, including 15 years as chair and co-chair of the Committee on Alumni Affairs and Development. He also was co-chair of the Cornell Campaign, which raised \$1.5 billion for the university between 1990 and 1995. Cowie is an emeritus member of the Johnson School Advisory Council and a trustee of the Johnson Trust.



MICHAEL EVEN

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SARAH T. FISCHELL

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71 Riverlawn Drive Fair Haven, NJ 07704 732 758-9654 sfischell@comcast.net Sarah T. Fischell has spent her career in telecommunications planning and medical device innovation and nonprofit management. Much of her 20 years with AT&T was devoted to technology and services planning for business voice and data networks. More recently, Fischell supported several medical device start-up companies in financial management and intellectual property management roles. She is largely retired from technology-related pursuits. She is an emeritus director of the Cornell Engineering Alumni Association and she serves on the boards of a number of local non-profit organizations. Sarah is married to David Fischell '75, and they have two children, Erin '10 and Jennifer '13.



GREGORY J. GALVIN

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3300 Stelzer Road Columbus, Ohio 43219-3034 Office 614 624.3401 virginia.giddings@ abbott.com Virginia Giddings has more than 25 years' experience in healthcare, with leadership roles in medical device, pharmaceutical, and nutrition businesses. Currently, she heads Strategic Research and Development at Abbott Nutrition. At Abbott, she previously led development of ABSORB, a bioabsorbable cardiovascular scaffold, which received the Wall Street Journal 2011 Innovation Award for Medical Devices. A patent agent, she had IP strategy roles with Johnson & Johnson and Advanced Stent Technologies, a start-up acquired by Boston Scientific. She serves on the Executive Committee for the Center for Nutrition, Learning, and Memory at the University of Illinois and on the President's Council of Cornell Women. She founded MedtechWomen, an organization advancing women in leadership in healthcare. Virginia received her Ph.D. in Biomechanical Engineering from Stanford University.



MICHAEL GOGUEN

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SEQUOIA CAPITAL

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KENT E. GOKLEN (Cornell B.S. '79 ChE)

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Mailstop UE0550 709 Swedeland Road PO Box 1539 King of Prussia, PA 19406 610 270-4793 kent.goklen@gsk.com Kent Goklen is the Director of Downstream Process Development at GlaxoSmithKline Biopharm R&D in King of Prussia, PA, with responsibility for the process development, scale-up and tech transfer of purification processes for biopharmaceuticals. Kent joined GSK in 2008, after retiring from the Merck Research Laboratories, where he had led a team in the BioProcess R&D organization. While at Merck, he played a key role in the development and demonstration of processes for Mevacor/ZocorTM and Cancidas.® Kent has a B.S. from Cornell University and M.S. and Ph.D. degrees from MIT, all in Chemical Engineering. Kent is a Fellow of the American Chemical Society, where he is active in the Division of Biochemical Technology, and is Adjunct Professor of Chemical and Biomolecular Engineering at Cornell University.



KEN GOLDMAN

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ANDY KESSLER

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CHARLES R. LEE (Cornell B.Met.E. '61)

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Verizon 500 Summit Lake Drive Valhalla, NY 10595 914 801-9765 chuck.lee@verizon.com Charles R. Lee is retired chairman and co–CEO of Verizon Communications. He was previously chairman, CEO, and a director of GTE Corporation. He began his career in 1964 with the United States Steel Corporation, where he held financial and management positions until 1971. Subsequently he was senior vice president of finance at Penn Central and at Columbia Pictures Industries. Lee is a director of DIRECTV Group, a board member of Marathon Petroleum Co. and US Steel, and retired from the United Technologies Corporation board of directors. He is a retired Director of Proctor and Gamble and United Technologies. He was a member of the President's National Security Telecommunications Advisory Committee and the Advisory Committee to the President's Commission on Critical Infrastructure Protection. He is a trustee emeritus and presidential councilor of Cornell and on the board of overseers of Weill Cornell Medical College.



DR. MARCUS H. LOO (Cornell B.S. '77 EE, MD '81 (Weill))

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Fax: 212 941-7426 Cell: 917-968-5129 Marcus H. Loo M.D. is clinical professor of urology at Weill Medical College of Cornell University and attending urologist at New York Presbyterian Hospital. He is trustee emeritus and a presidential councilor of Cornell University. He serves on the Technology Transfer Advisory Committee as well as on the Advisory Council of the McGovern Center for Venture Development in the Life Sciences. Dr. Loo is on the Advisory Board of the Cayuga Venture Fund and has served on the Life Sciences Advisory Committee. He majored in electrical engineering. His daughter Courtney is Cornell '16.



IVAN L. LUSTIG

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JAMES M. MCCORMICK (Cornell B.S. '69 ORE, M.Eng. '70)

FIRST MANHATTAN CONSULTING GROUP

90 Park Avenue New York, NY 10016 212 455-9102 jmccormick@fmcg.com James M. McCormick is a founder and president of First Manhattan Consulting Group. In more than 25 years of consulting, he has built expertise in disciplines ranging from strategy to acquisitions to marketing to management information systems; he consults for banks, other financial service firms, and technology companies. McCormick has given testimony to the U.S. Senate Banking Committee and has appeared more than 200 times as a speaker before various industry groups. He has appeared on several television venues and has been quoted in publications including the Wall Street Journal, The New York Times, Institutional Investor, The Economist, Forbes, and Fortune. He serves on the board of directors of Teach for America and as a board member and member of the executive committee for Mercy College.



DONALD E. MOREL, JR., PH.D.

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530 Herman O. West Drive Exton, PA 19341 610 594.3075 don.morel@ westpharma.com Dr. Morel has served as Chief Executive Officer of West Pharmaceutical Services, Inc. since April 2002 and Chairman of the Board since March 2003. He joined West in 1992 as Director of Research and Development and was promoted to Vice President R&D in 1993. In this role, Dr. Morel spearheaded West's efforts to develop novel and propriety drug delivery technologies. In 1998 he was promoted to Group President, heading sales, marketing and operations of West's medical device and pharmaceutical components business globally. In 1999, Dr. Morel became President of the new Drug Delivery Division and in April 2001, President and Chief Operating Officer. His aerospace work in the 1980s resulted in his selection as a finalist for assignment as a NASA Mission Specialist in the Astronaut Office in 1989. Dr. Morel holds a B.S. degree in Engineering from Lafayette College, an M.S. in Materials Science and a Ph.D. in Materials Science and Veterinary Medicine from Cornell University.



HOWARD L. MORGAN

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JOHN P. NEAFSEY

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JN ASSOCIATES

13 Valley Road Norwalk, CT 06854 203 831-8454 jpnwilson@aol.com John P. Neafsey is president of JN Associates, an investment consulting firm. Neafsey serves as chairman of Alliance Resources. He previously served as president and CEO of Greenwich Capital Markets and, prior to joining Greenwich, was an executive vice president of Sun Company. He also was chief financial officer and a member of the Sun board and subsidiary companies. He was twice selected by Institutional Investor as the outstanding oil industry CFO. He is a trustee emeritus and a presidential councilor of Cornell University. Neafsey was first elected a trustee in 1984, served for 16 years, and chaired several committees. He is on the Johnson School Advisory Council and is an overseer at Weill Cornell Medical College, serving on the budget and finance committee. He is a director and president of The Cornell Club of New York City.



EVELYN TAYLOR PEAR-SON

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Evelyn Taylor Pearson, principal, Taylor Pearson Consulting, spent her career in the petrochemical and refining industries at BP and Amoco. She has had leadership roles in research and development, engineering, capital projects, turnarounds, and manufacturing in more than a dozen businesses. She has extensive experience in research management, technical capability, organizational learning, and process engineering, including 10 years in centers of excellence. She holds a U.S. patent and has been published in the *Journal of Catalysis*. Pearson is also an administrator in Pearson Family Ministries and co-hosts a weekly radio program with her husband. She has assisted in planning for Chicago-area Mosaic Events and is a past member of the President's Council of Cornell Women. Pearson was the 2007 Raymond G. Thorpe lecturer for the School of Chemical and Biomolecular Engineering at Cornell.



JUSTIN RATTNER

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JAMES RICOTTA

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ROBERT W. SHAW JR.

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P. O. Box 1299 Center Harbor, NH 03226 603 253-9797 aretecorp@roadrunner.com Robert W. Shaw Jr. is managing director of Aretê Venture Management, which advises and invests in alternative energy companies. Until his retirement in 2010, he was president of Aretê Corporation, a venture capital firm focused on small-scale energy systems. Aretê managed SC Green Tech Ventures for Sumitomo Corporation, and the Micro-Generation Technology Fund for a group of electric utilities. Earlier, Shaw was founder and president of Aretê Ventures, serving as managing partner of the five Utech Funds. Shaw has served as a special limited partner and on the investment committees of several international venture funds. Previously, he was a senior vice president and a member of the board of directors of Booz, Allen & Hamilton. He is a member and past chairman of the Department of Energy's Hydrogen Technology Advisory Committee, and a trustee of the Society for Science and the Public.



DANIEL S. SIMPKINS

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15245 Shady Grove Rd, Ste 400 Rockville, MD 20850 240 386-0600, x6951 dan@hillcrestlabs.com Dan Simpkins is an experienced entrepreneur who founded and led two successful startup companies: SALIX Technologies, a telecommunications pioneer; and Hillcrest Labs, a consumer electronics innovator. As CEO of Hillcrest Labs, which he founded in 2001, Simpkins has guided the company to introduce groundbreaking user experiences for television, and to develop exceptional expertise in sensors processing. Hillcrest is currently the leading global supplier of software, hardware, and intellectual property for motion-enabled products. Before founding Hillcrest, he led SALIX Technologies for over a decade, managing the company from inception to its becoming a leader in VoIP, and then to its acquisition by Tellabs, Inc. for \$300 million. Simpkins is both a business and technical leader: he teaches, writes about, and speaks on a variety of business subjects, and he holds 19 U.S. patents in the fields of interactive television and telecommunications.



ROBERT SMITH

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ELISSA STERRY

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13501 Katy Freeway CORP-EMCC-L3-356 Houston, TX 77079 281 870-6811 epsypee@aol.com Elissa Sterry started her career with Exxon Chemical Company in information management. She subsequently held a variety of positions and in 1996 was appointed General Manager for the Polymers Applications Business Unit. She was promoted to Vice President in 1999, in charge of the worldwide Ethylene Elastomers Business. In 2002, she was named Deputy Manager of Public Affairs and later that year, was appointed manager, Economics and Energy, becoming a recognized speaker on ExxonMobil's outlook for energy and energy-related issues. In 2004, Elissa was appointed manager, Business Planning and Support, for the ExxonMobil Gas and Power Company. In 2006, she was appointed Vice President Global Oxo. In June 2007, the Oxo and Fluids Global Business Units consolidated into the Intermediates Business Unit and Elissa was appointed to the position of Vice President, Intermediates, ExxonMobil Chemical Company.



DUANE STILLER

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SHERRI K. STUEWER (Cornell B.S. '73 OR, M.S. '75)

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32401 Archdale Chapel Hill, NC 27517 919 904-7056 skstuew@gmail.com Sherri Stuewer retired after 36 years with Exxon Mobil Corporation. In her final assignments she was Vice President for Safety, Health & Environment and Vice President for Environmental Policy & Planning. Over her career, she held a variety of technical and managerial assignments in refining, planning, and logistics, including general manager of the Exxon Company U.S.A. Supply Department and manager of the Exxon Refinery in Baytown, Texas. Ms. Stuewer is an Emeritus Trustee of Cornell University and has served on multiple non-profit boards. She is a past chair of the Industry Advisory Board to the International Energy Agency.



JOHN A. SWANSON (Cornell '61, B.M.E. '62, M.M.E. '63)

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1551 Saint James Circle The Villages, FL 32162-7648 352 751-1952 john.swanson@ansys.com John A. Swanson is president of Swanson Analysis Services, a finite-element consulting firm. He is the founder of ANSYS, served as president for more than 20 years, and was its chief technologist until his retirement in 1999. Swanson is internationally recognized as an authority and innovator in the development and application of finite-element methods to engineering. He founded Swanson Analysis Systems (now ANSYS) in 1970 to develop, support, and market the ANSYS program, a finite-element software code widely used in the computer-aided engineering industry. Prior to that, Swanson was employed at Westinghouse Astronuclear Laboratory. In 2009, he was elected a member of the National Academy of Engineering. He was awarded the John Fritz Medal in 2004. He is on the Board of Trustees of the University of Pittsburgh, and served 12 years on the Board of Trustees of Washington and Jefferson College.



JOSEPH THANHAUSER,

(Cornell B.S. '71 EE)

BYRNAM WOOD, LLC

1270 Avenue of the Americas, Suite 2900 New York, NY 10020-0023 212 218-6500 (office) 646 379-7980 (cell) 212 218-6506 (fax) 40°45′36.7″ -73°58′48.1″ Thanhauser@byrnam-wood.com Joseph Thanhauser is the chairman and founder of Byrnam Wood, LLC, a boutique real estate investment, consulting and brokerage firm based in New York City. The firm represents clients that lease, buy, or have buildings developed for their own occupancy, in New York and globally. Their specialty has been the conception and negotiation of large commercial lease transactions. Prior to the formation of Byrnam Wood, he was a partner in the development of hotel and office properties in Philadelphia, PA.; Greenwich, CT.; Baltimore, MD.; Buffalo, NY and elsewhere in the U.S. His earliest employment after earning an MBA at Columbia University Graduate School of Business included several years working for the Uris brothers (Uris Buildings Corp.) and at Tishman Realty (now Tishman Speyer Properties). He serves on the Cornell University Council and over the past five years has worked with fellow Cornellian John Foote on the design, creation and funding of a statue of Touchdown (the Bear, Cornell's unofficial mascot) to be unveiled at the corner of Campus and Garden at Homecoming 2015.



DAVID F. WELCH

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169 Java Drive Sunnyvale, CA 94089 408 572-5200 dwelch@infinera.com David F. Welch co-founded Infinera and currently serves as President and as a member of the Board of Directors. Previously, he was CTO and VP Corporate Development at SDL. Dr. Welch holds over 130 patents in optical transmission technologies, and has authored over 300 technical publications in the same field. In recognition of his technical contributions to the optical industry, he has been awarded the Optical Society of America's Adolph Lomb Medal, Joseph Fraunhofer Award and John Tyndall Award, and the UK-based Institution of Engineering and Technology's JJ Thompson Medal for Achievement in Electronics. He is a Fellow of the OSA and the IEEE. In 2011, Dr. Welch founded Students Matter, a national non-profit organization dedicated to sponsoring impact litigation to promote access to quality public education. Its first case, the groundbreaking education equality lawsuit Vergara v. California, is a constitutional challenge to several California statutes governing the processes around teacher tenure, dismissal, and seniority-based layoffs, in its final ruling they found in favor of the plaintiffs and declaring all five statutes unconstitutional. The case is currently under appeal. He holds B.S. in Electrical Engineering from the University of Delaware and a Ph.D. in Electrical Engineering from Cornell University.



CRAIG A. WHEELER (Cornell '82 MS, '84 ChemE)

MOMENTA PHARMA-CEUTICALS, INC.

675 West Kendall Street Cambridge, MA 02142 617 395-5158 Craig_wheeler@comcast. Craig A. Wheeler joined Momenta Pharmaceuticals, Inc. as Chief Executive Officer in September 2006. He also serves as a member of the company's board of directors. Momenta Pharmaceuticals is a biotechnology company specializing in the detailed characterization and engineering of complex drugs. In July 2010 Momenta and its collaboration partner Sandoz received FDA approval for the first ever generic Lovenox. In May 2012, The Boston Globe named Momenta the number one company in their annual Globe 100 survey of top performing companies. Prior to Momenta, Craig worked at Chiron Corporation as President, Chiron BioPharmaceuticals, which had products treating cancer, cystic fibrosis, and multiple sclerosis. Prior to joining Chiron, Craig was a senior member of The Boston Consulting Group's health care practice. He holds a B.S. and an M.S. degree in chemical engineering from Cornell University, and an MBA from the Wharton School of the University of Pennsylvania.



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SMARTCELLS, INC.

72 Nanepashemet St. Marblehead, MA 01945 857 389-2273 todd@toddzion.com Todd C. Zion founded SmartCells, Inc. in 2003 to develop SmartInsulin $^{\rm TM}$, the first glucose-regulated, injectable formulation for treating diabetes. As SmartCells' president and CEO, He was instrumental in raising \$10 million in equity financing from individual investors and \$10 million in grants to support research and clinical development. In December 2010, Merck and Co. acquired SmartCells for over \$500 million in cash and clinical milestone payments. He developed the SmartInsulin $^{\rm TM}$ technology as part of his doctoral thesis work at MIT. Prior to enrolling at MIT, he worked as a polymer development engineer at Eastman Kodak. He now enjoys advising technology entrepreneurs through MIT's Venture Mentoring Service. He also serves on a number of advisory boards including those of the Beth Israel Deaconess Medical Center and the CNY Biotech Accelerator.

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