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EXPERIENCE

BLUESTONE VENTURE PARTNERS, Santa Fe, NM and Tucson, AZ **2017 - Present**

Co-Founder and Managing Director

Lead this venture capital firm investing in life sciences technology and innovation companies based in the US Southwest. Fund is focused on investments in diagnostics, medical devices and digital health. Responsible for day to day operations, investment sourcing, mentoring team and strategic market assessments for future investments. Member of BlueStone's Investment and Asset Allocation committees.

Work closely with portfolio company CEOs to create value and position the company for monetization in a timely way. Successfully exited a portfolio company in acquisition to industry leader less than twelve months after initial Bluestone investment.

HEALTH CATALYSTS GROUP, Tucson, AZ and Cambridge, MA **2014 - Present**

Managing Member / CEO

Lead this unique consulting firm focused on the growth of early stage life sciences and technology companies. Aid companies in strategy development to leverage technology and information systems to accelerate growth. Build management teams and Boards of Directors. Create independent research on the diagnostic and informatics industries. Publish annual *HCG Diagnostics Year in Review*. Develop and maintain strong network of industry key opinion leaders for collaborations.

GENEPEEKS, Cambridge, MA and New York, NY **2015 - 2018**

Executive Chairman

Recruited as Chairman of this innovative genetic information company focused on identifying inherited disease risk in future generations. GenePeeks' proprietary and patented technology brings together genetic sequencing and computational genomics to digitally combine the genetic information of two potential parents, simulating the complex genetic interactions that occur naturally in human reproduction to predict the risk of disease in the "virtual progeny". Responsible for oversight of company strategy creation and deployment, corporate financings, intellectual property, market development and strengthening the leadership team.

VENTANA MEDICAL SYSTEMS, Tucson, AZ **2011 to 2014**

Global tissue diagnostics leader – Manufacturing, research, development and distribution

President and CEO, Global Head of Roche Tissue Diagnostics

Recruited to lead this \$750M+ global company. Ventana, a member of The Roche Group, is the worldwide leader in the development, manufacturing and commercialization of tissue-based cancer diagnostic instruments, products and services. Drove all aspects of the strategic and tactical operations.

- Achieved outstanding revenue and profit growth. Sales growth 50% above market. Created formal Companion Diagnostics' Business Area. Team secured industry-leading 28 new partnerships with pharmaceutical companies. Record profitability. Ventana now Oncology Companion Diagnostics global leader with 96% customer satisfaction.
- Restructured Research & Development resulting in record patents filings and peer reviewed publications. Launched 2 major new instrument lines, 90+ assays, digital algorithms and monoclonal antibodies.

- Integrated acquisition of German / US commercial stage biomarker company with virtually zero unplanned staff or customer attrition. Closed administrative offices: moved research into Ventana with sales teams and manufacturing moving into Roche.
- Re-invigorated company-wide Quality Initiative to improve business' focus and implementation to world class level. Awarded the 2014 Association of Manufacturing Excellence (AME) national winner.
- Rebuilt Leadership Team creatively recruiting members internally and externally from diagnostics and pharma industries. Worked closely with Company Founder on strategic issues.

ON-Q-ITY, INC., Waltham, MA

2009 to 2011

Founder, President and CEO and Director

Founder and CEO of this innovative research stage company to commercialize clinically effective diagnostics to improve survival for solid tumor cancer patients. On-Q-ity's proprietary diagnostic technologies: microfluidic chip technology to capture and characterize Circulating Tumor Cells from blood and validated biomarkers to predict treatment response.

- Launched company: defined a focused and achievable mission; acquired venture financing needed to achieve it; consolidated 2 predecessor companies into single entity and team; built scientific and company advisory boards with the energy and capabilities to develop the business.
- Raised \$26M in venture capital financing in Q4 2009. Company recognized as the #3 "Most Promising New Start Up" nationwide in 2009 by *Venture Capital Journal*.

Recognized as a leader in diagnostics and personalized medicine policy. Frequent industry speaker. Spearheaded industry wide outreach initiatives to better educate health care community and policymakers about genetics, genomics and personalized medicine.

GENZYME CORPORATION, Cambridge, MA

1997 to 2009

President, Genzyme Genetics

2001 to 2008

Promoted to lead, diversify and grow this large division within Genzyme Corporation. Genzyme Genetics was the nations' leading provider of esoteric and genetic tests with focus in the reproductive, oncology and personalized medicine markets. More than 1,800 employees with 8 facilities in the U.S. and Japan. Grew business from \$50M to \$300M revenue rate. Business sold to LabCorp for \$925M in 2010.

- Created and implemented new vision and strategy – growing top and bottom line and diversifying business while setting the industry standard for quality. Expanded into oncology diagnostics through acquisition. Grew market presence, market share and customer base. Initiated international expansion.
- Re-directed and expanded research and development, increased new product launches to 15 per year. Oversaw implementation of 5 new technology platforms (for total of 18 technologies) through internal development and external partnerships. Instigated focus on scientific publishing resulting in 100+ peer reviewed publications, posters and books annually – leading the market.
- Selected, pursued and negotiated 4 acquisitions, adding 850 staff and 4 new laboratories over 2 years. Successfully integrated each – creating a single culture. Oversaw necessary reduction in force. Retained all key senior management, scientific and medical staff. Created new management team integrating new talent. Hired and trained successful successor.
- Achieved record revenue and profit growth. Increased market share and profitability dramatically in base business, while growing acquired oncology business.

President, Genzyme Pharmaceuticals

1997 to 2002

Promoted to lead and implement new strategy for this international division with operations in the U.S., UK, and Switzerland. Chairman of the Board of Swiss subsidiary.

- Restructured Division's focus and strategy from bulk generic drug manufacturer to value-added custom pharmaceuticals intermediates company. Sold 3 non-strategic businesses; closed 1 European facility. Expanded business development activities, including technology licensing and acquisition program. Financial turnaround resulted in profitable performance exceeding all goals.
- Rebuilt worldwide management team around new strategy, through internal and external hiring. Introduced objective bonus system for all levels of employees, including international salesforce. Virtually zero unplanned staff turnover. Hired and trained successful successor.
- Directed research and development efforts from proof of concept studies to regulatory filings. Oversight of designing, building and equipping new laboratory facilities. In-licensed and subsequently partnered novel lipid and other technologies. Created Scientific Advisory Board.
- Managed cGMP Swiss pharmaceutical development and manufacturing plant. Products include synthetic phospholipids, peptides and amino acid derivatives. Initiated and completed major reconstruction projects to upgrade facility, increase capacity and obtain FDA approval.
- Financial performance consistently strong. 15%+ growth in revenues and 24%+ growth in profits each year. Product margin increased with doubling of capacity utilization. All capital projects completed within time and expense budgets.

Vice President, Corporate Development

1997

- In-licensing, out-licensing, merger and acquisitions. Negotiated partnership in small molecule drug discovery with large pharmaceutical company. Initiated corporate wide education program to increase awareness and capability to integrate external opportunities into operating businesses. Developed and advocated restructured strategic plan for Pharmaceuticals Division.

Working Sabbatical

2008

Split time between Genzyme, Harvard Medical School and Dana Farber Cancer Institute. Genzyme time: Created new and interpreted existing federal diagnostic and therapeutic policies. Drafted LDT "level playing field" legislation. Harvard Medical School time: Reviewed student curriculum and writing major grant proposal. Dana Farber time: Analyzed clinical trial program logistics, clinical protocols and financials – recommended new system to better ensure intra-hospital consistency, trial prioritization and financial transparency.

WILMERHALE LLP (Formerly Hale and Dorr), Boston, MA

1990 to 1997

Director

Initiated and built marketing and strategy group responsible for all aspects of the firm's business and practice development: strategic analysis, financial planning and budgeting, client communication, market research, sales proposal development, Internet technology, and publishing.

- Drove major realignment of firm strategy and resources toward largest clients, resulting in record 5 year profit growth of 47%. Communications to partners on firm performance, competitors and market trends. Active member of strategic committees.
- Established standardized client acquisition process. Instituted systematic and quantifiable measures of partner effort and results. Initiated and implemented firm wide quality standards, resulting in by 300% improvement in success ratio compounded by 7 fold increase in the number of proposals.
- Created *The Hale and Dorr IPO Report*, a ground breaking publication profiling law firm market share in the Initial Public Offerings market. Report solidified Hale and Dorr's IPO leadership position. Continues to be published today.

BAIN & COMPANY, Boston, MA

1983 to 1985, 1987 to 1990

Consultant

Implemented change in client organizations by working closely with client executives. Focus on health care product and service companies.

- Reversed declining financial performance in \$125M division of Fortune 100 corporation. Worked with management at all levels of division to create and implement plans for turnaround. Introduced 2 new products to market. Profitability increased 300% over a 2 year period.
- Developed acquisition and expansion plan for new entrant in industrial product market. Evaluated acquisition candidates, geographic markets and product lines. Executed due diligence and created senior executive compensation and retention plan for acquired company.
- Redesigned marketing strategy for major health care service provider. Initiated new programs for customer feedback and competitor analysis. Integrated activities amongst regional offices. Over 3 years, revenue grew 75%+ with more significant increase in market share. New strategy resulted in streamlined product offerings, vendor consolidation and new research initiatives.

Associate Consultant

Researched and analyzed marketing and business unit strategies for clients specializing in consumer products, health care and distribution industries. First in class promoted to consultant.

HARVARD BUSINESS SCHOOL, Alumni Program Office, Boston, MA

1986 to 1987

General Manager

Directed operations for nine Harvard Business School reunions for 2,000+ alumni. Managed staff of 25. Instituted new management tracking system resulting in 20% reduction in costs.

THE FIRST BOSTON CORPORATION, New York, NY

Summer 1986

Associate

Financial analysis and new business development. Due diligence and drafted prospectus for convertible debt offering and asset-backed security offering.

ACADEMIC / TEACHING

Arizona State University, Phoenix, AZ

2015 - Present

Co-Founder, ASU School of BioMedical Diagnostics and Professor of Practice

Conceived and created the first program in the world dedicated to Diagnostics as an independent discipline. First degrees granted: Master's Degrees. Class of 2018: 102 students.

University of Arizona School of Medicine, Phoenix, AZ

2012 - Present

Constructed syllabus and taught new course on "The Fundamentals of Diagnostics" including biostatistics. Strong positive reviews and high ranking from faculty reviewers and students. Curriculum Committee approved as newly required course after 1st year taught.

Harvard Medical School, Boston, MA

2010 - 2011

Created and taught new seminar series: "Integration of Medicine with Business and Public Policy". Successful launch of series in winter semester 2010. Participants split between first and second year students and junior faculty.

Boston University School of Management, Boston, MA

2009 - 2010

Designed and wrote new curriculum for advanced biotechnology course "Drugs, Devices and Diagnostics" for 2nd year students in 2009 -2010. Taught class and received ranking in top quartile of school faculty.

EDUCATION

- **Masters in Business Administration**, Harvard School of Business Administration, Boston, MA, 1987
 - Awarded *John P. Stevens Prize* for outstanding leadership
- **Bachelor of Arts**, International Relations, Tufts University, Medford, MA, *magna cum laude*, 1983
 - Awarded *Distinguished Achievement Prize* as the outstanding student in major
 - President, Tufts Student Resources, largest U.S. student run collegiate business. Managed 9 service agencies with more than 300 employees. Achieved revenue and contribution growth of 25%.

PUBLICATIONS

- "Structuring the Patient-Physician Encounter: Joint Creation of an Actionable Roadmap to Health Care": The Journal of Delivery Science and Innovation, March 2014
- "The Business Value and Cost – Effectiveness of Genomic Medicine", Future Medicine, May 2012
- "Gene Sequencing: Staking a Position in an Expanding Industry", Harvard Business School Case, October 2011
- "On-Target Treatment: Personalized medicine calls for new diagnostic tools and rules", The Boston Globe, April 2011
- "The Importance of Circulating Tumor Cells in diagnosis, prognosis and treatment decisions", Clinical Advances in Hematology and Oncology, December 2010
- "Plavix: Drugs in the Age of Personalized Medicine," Harvard Business School Case, November 2010
- "The Explosion of Genetic Testing: Opportunities and Challenges," Harvard Business School Case, October 2009
- "Personalized Medicine and Pathology – Friend or Foe", Archives of Pathology Laboratory Medicine, April 2009
- "Realizing the Promise of Personalized Medicine", Harvard Business Review, October 2007
- "Market Crossroads: Fertile Ground for Board Development", The International Journal of Corporate Governance, 2002, Vol 2, No 2

DIRECTORSHIPS

- Abcam plc: Public company. Leader in life science tools including antibodies, research, manufacture and distribution. 2015 to present
- Allscripts Healthcare Solutions: Public company. Provides physician practices, hospitals, and other healthcare providers with practice management and electronic health record technology: 2017 to present
- Blue Cross Blue Shield of Arizona: Leading medical insurer of Arizona. 2015 to present
- Castle Biosciences: Public company. Dermatological cancer diagnostic test developer, manufacturer and distributor. 2015 to present
- Orasure Technologies: Public company. Leading developer and manufacturer of innovative diagnostic collection devices. 2017 to present
- Rain Bird: Leading global manufacturer and provider of irrigation products and services. 2017 to present
- Strateos: Lab automation and software company: 2016 to present

- GenePeeks: Computational genomics company. Executive Chairman: 2015 to 2018
- Safeguard Scientifics: Public company: Provider of growth capital for innovative healthcare and technology companies. Director: 2014 to 2017
- Blue Cross Blue Shield of Massachusetts: Leading Health Insurer for Massachusetts. 2008 to 2011
- Predictive Biosciences: Developer of non-invasive diagnostics for informed cancer management using proteomics-based technologies for personalized cancer treatment. Board Chairman: 2007 to 2009
- DentaQuest Ventures: Venture Backed Spin-off of Delta Dental focused on national expansion in for-profit investments. Board Chairman: 2001 to 2004
- Delta Dental Plan of Massachusetts: Leading Dental Insurer in Massachusetts. Director: 1998 to 2002
- Sygena AG / Genzyme Pharmaceuticals Switzerland: Genzyme Swiss subsidiary. Board Chairman: 1999 to 2002

GOVERNMENT

Secretary of Health and Human Services Council on Genetics, Health and Society (Under both Bush and Obama administrations), 2007 to 2010

GRAND ROUNDS

- Stanford University Department of Pathology – August 2011
"Personalized Medicine for Pathology – Opportunities to Advance"
- Johns Hopkins Department of Radiology – September 2009
"Personalized Medicine – Home Run or Strike Out Ahead?"
- Brigham and Women's Hospital Department of Pathology – October 2008
"Personalized Medicine – Unique Challenges and Opportunities for Pathology"

PROFESSIONAL ASSOCIATIONS

- Harvard Business School Healthcare Initiative Advisory Council: Board member, 2008 to 2017
- DxInsights: Non-Profit Diagnostics Educational Organization – Founder and Board member, 2012 to 2016
- EPEMED: European Personalized Medicine Diagnostics Association – Founder and Board member, 2009 to 2016
- College of American Pathology: Steering Committee on Professional Transformation (only non-MD full and voting member), 2009 to 2013
- Personalized Medicine Coalition: Director, 2004 to 2011

COMMUNITY

- University of Arizona Presidential Search Committee, 2016 to 2017
- Arizona Biosciences Board: Chairman, 2014 to Present
- Southern Arizona Leadership Council: Board of Directors, 2011 to Present
- Sun Corridor /TREO: Board of Directors, 2011 to Present
- Science Foundation Arizona: Board of Directors, 2014 to 2016

- Early Education for All: Co-Chair of Massachusetts-wide campaign to ensure all 3, 4 and 5 year olds access to quality pre-school education. Successful legislation passed to establish statewide curriculum standards as well as support for early education teachers while combining two related state agencies to implement, 2000 to 2016
- Boston Private Industry Council: Director, Public / Private partnership organization connecting business with Boston public schools, government and labor to maximize jobs opportunities for students and the unemployed, 2006 to 2011
- Greater Boston Chamber of Commerce: Executive Committee and Chairman, Life Sciences Committee, 1998 to 2011
- Dana-Farber Cancer Institute: Trustee; Executive Committee; Chairman, Trustee Science Committee, 1997 to 2010
- Massachusetts Life Sciences Collaborative: Co-Chairman, Economic & Business Environment Task Force, 2007 to 2010
- American Cancer Society, Massachusetts: Chairman of Board – Led restructuring resulting in 35% increase in fundraising proceeds, 200% rise in major gifts, 50% rise in constituents served and eventual merger with other New England state ACS organizations. Board member from 1994 to 1999, Chairman from 1997 to 1999
- The Children’s Museum, Boston: Board Member and Early Education Committee Chairman, 1996 to 2005
- Tufts University College of Citizenship and Public Service: Advisory Board, 1999 to 2002
- Radcliffe Public Policy Center: Biotechnology Advisory Council, 1998 to 2000
- Museum of Fine Arts, Boston: Corporate Advisory Committee, 1998 to 1999
- United Way’s Success by 6, Children’s Advocacy Group: Board Member, 1997 to 1999

RECOGNITION

- Arizona BioSciences Leader of the Year, AZBio, 2016
- One Hundred Most Inspiring People in Life Sciences, PharmaVoice, 2010
- Entrepreneur of the Year, 1 of 4, Women Entrepreneurs in Science and Technology, 2010
- Rx for Excellence Award, Leader in Quality, Massachusetts Medical Law Report, 2010
- McKinsey Award Judge, Harvard Business Review, 2008
- Fellow, American Institute of Biochemical and Mechanical Engineering, 2007
- Point of Life Award, Matthew Forbes Romer Foundation for Tay Sachs, 2005
- One Hundred Most Powerful Women in Boston, Boston Magazine, 2003
- Academy of Woman Achievers Inductee, YWCA, 1999
- Ten Outstanding Young Leaders, Boston JayCees, 1999
- Top 40 Executives under 40, Boston Business Journal, 1998
- Emerging Executive of the Year, Greater Boston Chamber of Commerce, 1997
- Woman of Vision Award, Massachusetts Prevent Blindness Association, 1995

ACADEMIC / GUEST LECTURES

- April 13, 2017 Keynote Address: University of Arizona 2017 Science & Engineering Excellence
"Closing the Gender Gap – The Rise of Women in STEM"
- December 17, 2015 Commencement Address: University of Arizona College of Engineering
"Engineers – The True Super Heroes"
- 2013-2018 University of Arizona Medical School Freshman Class
"The Fundamentals of Diagnostics"
- December 14, 2012 Commencement Address: University of Arizona College of Science
"Living and Loving in an Imperfect World"
- June 14, 2011 Harvard Department of Pathology: Genomics in Pathology Symposium
"Reimbursement of Genomic Tests: What Happens Next?"
- March 17, 2011 Harvard-MIT Division of Health Sciences and Technology: Dynamics of
Biomedical Technologies Course
"Personalized Medicine: How it Changed my Life"
- March 8, 2011 Harvard College Freshman Seminar on Cancer
"The Scientific Foundation of Personalized Medicine"
- November 19, 2010 Tosteson Lecture Harvard Medical School Health Policy Series
"Health Care Reform"
- November 18, 2010 Harvard Medical School Class: Health Care Innovation and Commercialization
"New Frontiers in Personalized Medicine"
- November 16, 2007 Harvard Business School Class: Entrepreneurship & Venture Capital in Healthcare
"Genetic Information and Genetic Testing: Connecting the Clinic to the Market"
- September 20, 2007 Boston University School of Management Seminar
"Emerging Treatments for Cancer: Business Challenges of Targeted Therapeutics"
- April 26, 2006 Harvard Business School: Entrepreneurial Management Class
"Entrepreneurship and Venture Capital in Health Care"
- February 20, 2002 Boston College: Global Competitiveness Class
"Introduction to Biotechnology"
- November 18, 2000 Harvard Business School Health Care Class
"Innovation in Health Care: Where is Biotech Revolution Leading?"

HEALTH CARE RELATED SPEECHES

- July 30, 2020 Red Cross Disaster Health Services
Speaker: "COVID-19 Testing: The Key to Past Confusion and Future Clarity"
- July 28, 2020 Cedars-Sinai Precision Health in a Pandemic Online Symposium
Panelist & Speaker: "Diagnostics 5.0 in a Pandemic: It is all about Testing"
- July 15, 2020 Charter 100 Arizona July 2020 Salons
Featured Speaker: "How to Stay Safe During the COVID-19 Crisis"
- July 14, 2020 Jewish Womens' Federation - Women's Philanthropy Series
Featured Speaker: "COVID-19 Smart Testing - The Key to Recovery"
- July 13, 2020 Nephron Research Investor Series
Interviewee: "COVID-19 Perspectives on Diagnostics"
- July 1, 2020 National Safety Council SAFER Task Force Meeting
Guest Speaker: "COVID-19 Workplace Commons: Keeping Workers Well"
- June 23, 2020 Duke-Margolis Center for Health Policy Webinar
Panelist: "Reopening in an Era of COVID-19"
- June 22, 2020 Community Investment Corporation Old Pueblo, New Economy Podcast
Interviewee: "A Profile of a Community and Business Champion"
- June 17, 2020 Rotary Club of Tucson Regional Member Meeting
Featured Speaker: "Diagnostics: The Key to the Beginning, Middle & End of the Pandemic"
- June 10, 2020 University of Arizona Tech Park Webinar
Featured Presenter: "COVID-19 Crisis: The Key to Getting to the End of the COVID-19 Health Emergency"
- June 4, 2020 Rockefeller Foundation Roundtable
Participant: "Expanding Access to COVID-19 Testing in the U.S."
- June 2, 2020 Red Cross – Southwest and Rocky Mountain Region Meeting
Speaker: "COVID-19 Testing: The Key to Past Confusion and Future Clarity"
- May 22, 2020 Accumen Healthcare Performance Insider Series Podcast
Interviewee: "Diagnostics: Critical to the Beginning, Middle and End of the COVID-19 Pandemic"
- May 22, 2020 Arizona State University National COVID-19 Diagnostics Summit
Organizer & Featured Speaker: "Diagnostics: Critical to the Beginning, Middle and End of the COVID-19 Pandemic"
- May 7, 2020 Southern Arizona Leadership Council COVID-19 Member Meeting
Featured Speaker: "Diagnostics: Key to the Beginning, Middle and End of the

- COVID 19 Pandemic"
- April 30, 2020 AZBio Webinar
Featured Speaker: "The Key to Getting to the End of the COVID-19 Health Emergency"
- April 17, 2020 Arizona State University Health Talks
Featured Speaker: "COVID-19 and Effective Diagnostics: The Key to Recovery of health, society and the economy"
- January 10, 2020 Arizona Daily Star & University of Arizona – The Future of Work: How to Thrive in the Automated Workplace
Panel Moderator: "Meet Your Robot Co-Worker"
- October 22, 2019 Deerfield CEO Conference – Advancing Healthcare
Panel Moderator: "Healthcare Collaborations: The Good, Bad & Ugly"
- October 3, 2019 Cavendish Global Conference
Panel Moderator: "Discussion with Arizona's BioHealth Investors"
- October 2, 2019 Arizona Center for Drug Development Discovering New Medicines in Arizona Summit
Panelist: "Investing in Bioscience Companies"
- October 1, 2019 Flinn Foundation / BioPreneur Conference
Speaker: "Venture Capital – From Both Sides of the Table"
Panelist: "Personalized Feedback from Investors"
- May 7, 2019 Innovate New Mexico Technology Showcase
Keynote Speaker: "How the Fourth Industrial Revolution is Changing Healthcare"
- April 5, 2019 8th Annual ASU Workshop on Regulation and Reimbursement of Molecular Diagnostics
Speaker: "Digital Health: Data as the Core to Molecular Diagnostics"
- April 5, 2019 Women in Data Sciences (WIDS)
Keynote Speaker: "Increasing Impact and Influence – Women in Science"
- October 29, 2018 New Mexico Bio Knowledge Forum
Keynote Speaker: "The 4th Industrial Revolution – What is the Impact on Healthcare"
- September 25, 2018 Innovation Economy Forum Arizona
Moderator: "Growing an Innovation Economy – Strengths, Gaps and Opportunities"
- May 2, 2018 Executive War College 2018
Keynote Speaker: "Data is the New Black: How the Fourth Industrial Revolution is Changing Healthcare"

- April 12, 2018 Break into the Boardroom
Keynote Speaker: "Impact in the Boardroom – Lessons Learned as a Director"
- March 23, 2018 American Society for Clinical Pharmacology and Therapeutics
Keynote Speaker: "Data is the New Black: How the Fourth Industrial Revolution is Changing Healthcare"
- February 22, 2018 Understand Your Genome – Illumina and Arizona State University
Featured Speaker: "The Past, Present and Future of Diagnostics"
- October 22, 2017 Blue Cross Blue Shield Western Leadership Conference
Moderator: "Disruptive Start-Ups in Healthcare Insurance"
- September 17, 2017 Genetic Health Information Summit
Keynote Speaker: "Diagnostics is an Information Business with a Wet Lab on the Side"
- June 21, 2017 BIO International Annual Convention
Panelist: "It's A Converging World: Innovative Partnerships and Precision Medicine"
- March 23, 2017 ACLA Annual Conference
Featured Speaker and Moderator: "Elevating Diagnostics and Pathways to Innovation"
- January 23, 2017 Precision Medicine World Conference
Featured Speaker and Moderator: "Personalized Medicine - The Cinderella Story of Venture Investments?"
- October 26, 2016 G2 Intelligence – Lab Institute 2016
Keynote Speaker: "What Big Data Means for Laboratories: From Algorithms to Reimbursement"
- October 12, 2016 Cavendish Global Health Impact Forum
Co-Featured Speaker: "Diagnostics in Precision Medicine"
- April 27, 2016 Arizona Technology Council
Keynote Speaker: "Women in the Workforce of Southern Arizona"
- April 21, 2016 AzBio Expo
Panel Moderator: "Talent: Developing Our Competitive Advantage"
- April 12, 2016 American Gastroenterological Association
Keynote Speaker: "Future of Personalized Medicine"
- April 12, 2016 Lab Central "Wizards of Life Sciences" Series
Featured Speaker

- September 22, 2016 White Hat Investor Conference
Keynote Speaker and Moderator: "Shaping the Future of Healthcare"
- March 31, 2016 American Gastroenterology Association Annual Tech Summit
Keynote Speaker: "Personalized Medicine and GI: Is Now the Time?"
- February 19, 2016 Molecular Med Tri-Con 2016
Featured Speaker: "Commercializing Companion Diagnostic Breakthroughs"
- January 27, 2016 Personalized Medicine World Conference
Speaker: "The Role and Need for Diagnostics Algorithms"
- November 5, 2015 HBS Healthcare Association Conference
Panel Speaker: "Leadership Strategies for Healthcare Companies"
- October 19, 2015 Slone & Associates Boston Leadership Meeting
Keynote Speaker: "Diagnostics 5.0: What does it mean for Diagnostic firms"
- May 12, 2015 Domain Limited Partners Annual Meeting
Keynote Speaker: "The Diagnostic 5.0 Revolution: Breaking the Rules to Succeed"
- March 12, 2015 G2 Lab Revolution
Keynote Speaker: "The Diagnostic 5.0 Revolution: Breaking the Rules to Succeed"
- February 18, 2015 Molecular Med / Tri-Con 2015
Speaker: "How the Business Model is Changing for One Drug, One Diagnostic"
- February 5, 2015 Harvard Business School Healthcare Conference
Keynote Speaker: "What to look for in Healthcare today and tomorrow"
- February 6, 2015 Harvard Business School Healthcare Conference
Panel Moderator: "Sequencing the Genome – What has really changed in ten years?"
- January 27, 2015 Personalized Medicine World Congress
MC and Featured Speaker: "Diagnostics 5.0"
- January 23, 2015 The National Academies: Arizona Regional Meeting
Panel Speaker: "Improving Higher Education's Responsiveness to STEM Workforce Needs"
- September 26, 2014 XIFIN XiConnect 2014: Collective Intelligence Summit
Keynote Speaker: "Value of Diagnostics in a Value Based Healthcare System"
- June 25, 2014 BIO International Annual Convention 2014 SuperSession
Featured Speaker: "EY 2014 Biotechnology Industry Report"

- June 9, 2014 Roche Molecular Center of Excellence Annual Conference
Keynote Speaker: "The Hidden Value of Diagnostics"
- May 19, 2014 Genentech Oncology Institute National Conference
Featured Speaker: "Diagnostics: The Key to Therapeutic Success"
- May 1, 2014 Genentech Oncology Institute National Conference
Featured Speaker: "The Promise of Early Intervention Through Diagnostics"
- April 1, 2014 Whitehead Research Institute: Whitehead Connects
Featured Speaker: "The Forgotten Art (and Science) of Diagnostics"
- March 19, 2014 World Biomarker Summit
Keynote Speaker: "Biomarkers: The Quiet Champions of Healthcare"
- February 19, 2014 Urban Land Institute
Panelist: "Healthy Impact: Healthcare Impacts in Arizona"
- February 13, 2014 Molecular Tri-Con Conference
Keynote Speaker: "Diagnostics: The Silent Champion of Healthcare"
- June 18, 2013 Genentech Oncology Institute Regional Conference: Trends Shaping the Future of Personalized Care and the Delivery of Specialty Pharmacy
Keynote Speaker: "The Golden Age of Diagnostics"
- April 5, 2013 Xconomy CEO Forum Boston
Speaker: "View from a New Sector: Diagnostics"
- January 29, 2013 2013 Personalized Medicine World Congress
Moderator and Speaker: "Diagnostics: No Longer in the Shadow"
- November 15, 2012 United States Congress: Briefing with Congressman Barber
Moderator: "The Safer Patient: Overview of Cancer Patient Safety Issues"
- November 2, 2012 Personalizing Health Care in a Changing Arizona Marketplace
Panelist: "Cancer Diagnostics in the Evolution of Personalized Medicine"
- October 12, 2012 30th Annual G2 Lab Institute
Keynote Speaker: "The Time Has Come: The Era of Diagnostics Has Finally Arrived"
- October 8, 2012 Arizona State University Transformative Health Care Knowledge Network
Keynote Speaker: "The Time has Come"
- June 18, 2012 BIO International Annual Convention
Panelist: "A Disruptive Prescription for Consumer Centered Medicine: Creating "The Roadmap for Personalized Health Care"
Panelist: "Commercialization of Personalized Medicine: Stakeholders' Recipe for

	Success”
April 20, 2012	Genentech Women’s Leadership Summit Speaker: “Ten Lessons from an Unusual Career”
March 9, 2012	Southern Arizona BIOSA Breakfast Club Speaker: “Personalized Health Care: Opportunity and Challenge”
November 17, 2011	Personalized Medicine Summit Panelist: “U.S. Best Practices and Successful Models”
October 5, 2011	Center for the Study of the Presidency and Congress Capitol Hill Briefing Speaker: “Personalized Medicine: Accelerating Its Promise to Advance Cancer Care”
September 7, 2011	BioPharm America 2011 Moderator: “Lessons Learned in Personalized Medicine in Oncology”
September 1, 2011	Institute of Industrial Engineers Annual Conference & Expo Keynote Speaker: “The Unique Contributions of Engineering to Personalized Medicine”
July 11, 2011	Roundtable Discussion with Senator Kerry and FDA Commissioner Hamburg Diagnostics Industry Representative and Speaker
July 1, 2011	Aspen Institute Ideas Festival Panelist: “The Promise and the Pitfalls of Personalized Medicine: How Far Can It Go?”
June 14, 2011	Swiss Consulate - Boston: Future Perspectives in Personalized Medicine Speaker: “The Role of Diagnostics in the Insurance Field’s Future”
June 8, 2011	2011 CEO Innovators Roundtable Speaker: “Personalized Medicine – What is it? Why it is important to understand?”
May 20, 2011	2011 Convergence Life Science CEO Forum Interviewer: “Ken Kaitin and The Tufts Center for the Study of Drug Development”
April 13, 2011	G2 Conference: Molecular Diagnostics & The Next Generation of Laboratory Medicine Featured Speaker: “Taking Diagnostics for Granted or Not”
March 22, 2011	Mass BIO Annual Meeting: Personalized Medicine – Every Patient Tells a Story Panel Moderator: “Regulation: Is it Time for a New World? The FDA and Beyond”
March 7, 2011	Cowen and Company 31st Annual Health Care Conference

- Presenter:** "On-Q-ity Investor Presentation"
- February 10, 2011 Multiple Myeloma Research Foundation Roundtable
Co-chair & Panelist: "Partnering to Advance Personalized Medicine in Multiple Myeloma"
- January 18, 2011 2011 Personalized Medicine World Conference
Speaker: "The Battle for Personalized Medicine: Key Factors for Winning"
- January 17, 2011 Harvard Club of Silicon Valley Event
Panelist: "Personalized Medicine Expert Panel"
- January 10, 2011 The Biotech Showcase
Speaker: "Personalized Medicine, Molecular Diagnostics: Let's Discuss the Promise of this Emerging Sector – What Will it Mean in Real Life"
- December 2, 2010 2nd Annual vs. Entrepreneur Smackdown
Speaker: "View from an Entrepreneur"
- November 19, 2010 Harvard Medical School Health Policy Lecture Series
Tosteson Lecture: "Health Care Reform"
- November 18, 2010 6th Annual Personalized Medicine Conference: Impacting Health Care
Speaker: "Plavix: Drugs in the Age of Personalized Medicine"
- November 4, 2010 2010 Boston Future Leaders Program: Connecting Business with Government
Panelist: "Industry Leaders"
- October 28, 2010 2010 Annual Meeting: American Society for Clinical Pathology
Panelist: "The New Paradigm: Personalized Medicine and Diagnostic Monitoring Technology"
- October 19, 2010 Wolfe Annual Biopharma Conference
Panelist: "Personalized Medicine Panel"
- October 15, 2010 Harvard Medical School Board of Fellows Retreat
Keynote Speaker: "An Introduction to Personalized Medicine"
- October 7, 2010 Health Care Business Women's Association Executive Women's Group
Speaker: "Personal Reflections of a Biotech Career"
- October 3, 2010 2010 National Summit on Personalized Health Care
Keynote Speaker and Panelist: "The Opportunities Moving Forward"
- October 1, 2010 Personalized Cancer Therapeutics Symposium
Speaker: "Personalized Medicine: Homerun or Strike Out Ahead?"
- September 15, 2010 BioPharma America 2010 Annual Conference
Panelist: "The New Health Care Ecosystem: What is Biotech's Role?"

- September 2, 2010 MassBIO Personalized Medicine Day
Keynote Speaker: "A Call to Action"
- August 25, 2010 Cambridge Healthtech Institute Next Generation Dx Summit
Speaker: "Microfluidic Chips that Enable the Capture, Enumeration and Characterization of CTCs: Current State of the Art and Clinical Implications"
- July 15, 2010 Organization for Economic Cooperation & Development Working Party on Biotechnology
Speaker: "Personalized Medicine: A Worldwide View"
- June 15, 2010 Drug Industry Association 46th Annual Meeting: Facilitating Innovation
Speaker: "Health Information Technology (HIT) and Personalized Medicine: The Knowledge-driven Health Care Transformation"
- June 11, 2010 Convergence CEO Forum 2010
Panelist: "The Future of Diagnostics Innovation: Where We're Heading"
- June 4, 2010 Consumer Genetics Conference 2010
Speaker: "The 'So What Test: Will Cancer Care Change with the Advent of New Diagnostics?'"
- May 26, 2010 Partnering to Advance Personalized Medicine in Multiple Myeloma
Co-Chairman and Speaker: "Key Issues Moving Forward"
- May 20, 2010 MEDCO Health Services Drug Trend Annual Symposium
Breakout Keynote Speaker: "The Past, Present, and Future of Cancer Care"
- April 15, 2010 Molecular Diagnostics 2010: Putting Molecular Diagnostics to the Test
Keynote Speaker: "How Your Lab Can Capitalize on Molecular Diagnostics"
- March 31, 2010 The Capital Network Life Sciences Forum
Speaker: "Making Medicine Personal"
- March 23, 2010 Multiple Myeloma Research Foundation Roundtable on Opportunities and Challenges in Myeloma Drug Development in the Era of Personalized Medicine
Keynote Dinner Speaker: "Personalized Medicine: Lessons from other Cancers"
- February 3, 2010 Personalized Medicine: Thriving in a Rapidly Changing World Webinar
Speaker: "Customizing Care: Advanced Diagnostics and the Future of Personalized Medicine"
- January 26, 2010 World Health Care Congress Leadership Summit on Personalized Health Care
Speaker: "Personalized Medicine: Home Run or Strike Out Ahead?"
- November 19, 2009 5th Annual Personalized Medicine Health Care Conference
Speaker: "Interactive Case Studies on Business Strategies for Personalized

- Medicine”
- October 14, 2009 Pharmacogenetics Research Network (PGRN)
Speaker: “Personalized Medicine: Home Run or Strike Out Ahead?”
- September 24, 2009 Lecture Series, Harvard Department of Nuclear Medicine
Keynote Speaker: “Personalized Medicine: Opportunities and Challenges”
- June 7, 2009 Futurescape Conference III Transforming Pathology: Disruptive Technology
Driving Innovation
Keynote Speaker: “Disruptive Innovation and Precision Medicine”
- June 3, 2009 Massachusetts Life Sciences Innovation Day
Speaker: “Changing Practices: How Innovation is Adopted (or not)”
- May 19, 2009 BIO International Annual Convention
Moderator: “Creating New Markets Where Doctors Don't Want Them”
- May 16, 2009 Sino-American Pharmaceutical Professionals Association (SAPA)
Keynote Speaker: “Personalized Medicine and its Impact on the
Pharmaceutical Industry ”
- April 15, 2009 6th Annual World Health Care Congress
Panelist: “Genomic Testing and Diagnostics to Find the Right Patients for
Expensive Treatments”
- April 14, 2009 6th Annual World Health Care Congress CEO Retreat
Panelist: “Personalized Medicine: How Will the Economics Work?”
- March 19, 2009 Cowen and Company Health Care Conference
Keynote Speaker: “Personalized Medicine on Deck: Home Run or Strike Out
Ahead”
- March 2, 2009 National Bureau of Economic Research Congressional Staff Briefing
Speaker: “The Need for Research Funding in Diagnostics”
- January 17, 2009 Harvard Business School Health Care Conference
Panelist: “Personalized Medicine Panel: Science and Business”
- November 14, 2008 Personalized Medicine A Value Proposition: Harvard Medical School /
Partners Health Care
Panelist: “Diagnostics’ Reimbursement Redesign”
- October 28, 2008 Brazilian Society of Pharmaceutical Physicians
Keynote Speaker: “Personalized Medicine” Opportunities and Challenges”
- October 20, 2008 Convergence Forum: Life Science Leaders
Panelist: “Diagnostics: Their Future Impact of Drugs, Devices, and Health
Care”

- September 26, 2008 College of American Pathology Annual Meeting
Science Keynote Speaker: "Personalized Medicine and the Pathologist"
- September 9, 2008 Biotechnology Industry Organization Advocacy Workshop
Keynote Speaker: "Importance of Patient Advocacy in Transforming Health Care"
- September 8, 2008 Health Care Businesswomen's Association
Moderator: "Personalized Medicine: The Hope. The Promise. The Roadblocks."
- June 7, 2008 FutureScape Conference II Transforming Pathology: Emerging Technology Driving Practice Innovation
Keynote Speaker: "Personalized Medicine and the Role of Pathology"
- June 4, 2008 The 2008 Capitol Summit
Panelist: "Personalizing Health Care: Issues and Advances"
- June 1, 2008 European Society of Human Genetics 2008 Annual Conference
Speaker: "The Future of Genetic Services: Is US a Model for Europe?"
- May 28, 2008 ILSI Biomed Israel 2008 Annual Conference
Speaker: "Personalized Medicine and Genetics"
- May 20, 2008 Massachusetts Biotechnology Council Annual Meeting
Speaker: "A Drug Just For Me? What the Future Really Holds for Personalized Medicine"
- May 9, 2008 **Gearing Up: Leadership Institute at Bentley College**
Panelist: "Observations from the Corner Office"
- May 7, 2008 WEALTH: Women Executives in Life Sciences, Technology, and Health
Keynote Speaker: "Personalized Medicine: Challenges and Opportunities"
- May 6, 2008 Harvard Biotechnology Club Annual Meeting
Speaker: "Women in Biotechnology"
- April 23, 2008 5thAnnual World Health Care Congress
Panelist: "Personalized Medicine: Tackling Reimbursement Issues to Provide the Next Generation of Medical Care"
- April 17, 2008 Division of Experimental Therapeutics: Walter Reed Army Medical Center
Keynote Speaker: "Personalized Medicine Opportunities to Change the Current Paradigm"
- April 8, 2008 President's Council on Science and Technology (PCAST) Hearings
Speaker: "Diagnostics and Personalized Medicine"

- March 13, 2008 American College of Medical Genetics (ACMG) Annual Clinical Genetics Meeting
Speaker: "Promise of Health Care Savings from Pharmacogenetics"
- February 29, 2008 Scientia Advisors Breakfast Series
Speaker: "Personalized Medicine in Practice: A View from the Trenches"
- June 1, 2008 European Society of Human Genetics 2008 Annual Conference
Speaker: "The Future of Genetic Services: Is US a Model for Europe?"
- May 28, 2008 ILSI Biomed Israel 2008 Annual Conference
Speaker: "Personalized Medicine and Genetics"
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- February 29, 2008 Scientia Advisors Breakfast Series
Speaker: "Personalized Medicine in Practice: A View from the Trenches"
- February 28, 2008 Harvard Biotech Club and TiE Boston
Panelist: "The Oncology Revolution: Emerging Opportunities in Cancer Therapy and Diagnostics for Entrepreneurs, Investors, Researchers, and Students"
- January 23, 2008 American Clinical Lab Association Results for Life Luncheon
Speaker: "Brave New World: Personalized Medicine and the Marriage between

- Diagnostics and Drugs”
- December 10, 2007 Biomarkers & Pharmacogenomics in Drug Development and Regulatory Decision Making: PGx Workshop IV
Speaker: “Challenges and Solutions to the use of PGx and Biomarkers in Drug Development and Clinical Use; Where Progress has been made: Safety Biomarkers”
- November 16, 2007 Oncology Leaders Forum 2007
Keynote Speaker: “Personalized Medicine from Fear to Acceptance”
- October 12, 2007 25th Annual G2 Lab Institute
Keynote Speaker: “Brave New World: Personalized Medicine and the Marriage Between Diagnostics & Therapeutics”
- May 30, 2007 The Honeycomb Worldwide Inc. Group of Companies
Keynote Presenter: “Personalized Medicine: Realizing the Full Potential”
- May 23, 2007 Schwartz Center’s 5th Annual Women in Health Care Celebration
Featured Speaker: “Mixing Compassion and Science is Truly the Best Medicine”
- May 8, 2007 BIO Annual Conference 2007
Panelist: “Twinning Strategies: The Business of Companion Diagnostics and Targeted Therapies”
- May 6, 2007 BIO Annual Conference 2007
Panelist: “Anticipating the Economic Challenges of Personalized Medicine”
- April 26, 2007 Defined Health’s 7th Annual Therapeutic Insight Conference
Panelist: “Getting Personal and Getting Past It Beyond Cancer’s Individualized Therapies to “Less Impersonal” Medicine”
- April 13, 2007 MIT Sloan School of Management’s 2007 BioInnovations Conference
Panelist: “The Next Big Thing in Life Sciences”
- March 7, 2007 18th Eighteenth Annual Cancer Progress Conference
Moderator: “Biomarkers: Real Issues and Opportunities”
- February 28, 2007 American Institute for Medical and Biological Engineering Annual Event
Speaker and Panelist: “Engaging the Public’s Trust: Exploring the Benefits and Risks of Medical and Bioengineering Innovations”
- November 28, 2006 Harvard Partners Conference on Personalized Medicine: A World of Opportunities
Speaker: “Treating Lung Cancer: A Case for Personalized Medicine - Rules of Genetic Testing in Personalized Medicine”
- November 6, 2006 Genetic Alliance Web Seminar on Genetic Testing Issues Today
Speaker: “The FDA Guidances on Genetic Tests”

- October 26, 2006 Massachusetts Biotechnology Council: Annual Life Sciences Event
Speaker: "FDA Regulation of "Home Brew" Laboratory Tests: Law and Policy Committee"
- October 12, 2006 Health Industry Forum 2006 Fall Conference
Speaker: "Coverage Policy in an Era of Personalized Medicine: Evaluating and Paying for Genetic Testing Services"
- May 5, 2006 Newton Wellesley Hospital Leadership Institute XV
Featured Speaker: "Quality, Revolution, and Safety – Partnering Providers, Patients, and Technology" Topic: "How Personalized Medicine will Impact the Provision of Medicine"
- April 4, 2006 Johns Hopkins University: Genetics and Public Policy Center
Panelist: "Pharmacogenetics: Is this Drug for You?"
- December 13, 2005 Partners Center for Innovative Ventures
Panelist: "From Research to Market"
- November 3, 2005 Harvard Partners Personalized Medicine Conference: Promises and Prospects
Speaker: "The Right Test for the Right Patient at the Right Time: The Crucial Role of Diagnostics in Personalized Medicine"
- October 7, 2005 Genomic Health Care Strategies Fall Conference
Panelist: "Pathway to Personalized Medicine"
- July 28, 2005 Pharmaceutical Executive Conference
Panelist: "Emerging Business Models for Blockbuster Like Revenue Growth"
- June 28, 2005 Greater Boston Chamber of Commerce
Panelist: "Sustaining Life Science Leadership"
- March 30, 2005 Harvard Biotechnology Club
Featured Speaker: "Entrepreneurial Women in Biotechnology"
- March 30, 2005 Babson College Life Science Spring Forum
Featured Speaker: "2nd Annual BioIndustry Forum"
- February 16, 2005 Association of Corporate Growth (ACG)
Featured Speaker: "Life Sciences and Health Care Forum Roundtable"
- July 28, 2004 Legislative Leaders Luncheon & Forum
Featured Speaker: "Building an Early Education for All Coalition: Engaging Unlikely Allies on Behalf of Children"
- April 30, 2004 Associated Industries of Massachusetts (AIM) Annual Meeting
Panelist: "The Political and Economic Outlook for Massachusetts: 2004 and Beyond"

- March 27, 2004 Women Entrepreneurs in Science and Technology (WEST) I-3 Conference
Featured Speaker: "Impact on Innovation through Entrepreneurship"
- October 7, 2003 Thomas Weisel Partners 2003 Analyst Tailwind Series
Panelist: "An Inside Look at Emerging Trends"
- September 17, 2003 WEST (Women Entrepreneurs in Science & Technology)
Featured Speaker: "The Power of Teamwork"
- August 3-9, 2003 YPO Business University for Youth
Panelist: "Biotechnology Basics: Introduction to Genetic Testing"
- May 6, 2003 Harvard Medical School: Genetics Advisory Council
Panelist: "Genetic Testing and Counseling"
- February 19, 2003 Mass High Tech Winter Event
Panelist: "Intellectual Property and Licensing Strategies for the Biomedical Entrepreneur"
- February 5, 2003 Tri-Center United Chamber of Commerce
Panelist: "Business of Biotech"
- June 1, 2002 Harvard Business School Reunion
Panelist: "Show Me the Money: Recent Trends in Technology and Life. The Transformation of Clinical Care by the Genetics Revolution"
- May 21, 2002 Tufts University: Women in Health Care Management
Panelist: "Biotech and the Transformation of Health Care in Massachusetts"
- April 9, 2002 Invest in Sweden Agency: Genetics Research Conference
Panelist: "Enabling Technologies for Genetic Research"
- March 30, 2002 Boston University Women's Leadership Forum
Panelist: "Technology: Forging New Paths Growing a Technology Executive"
- November 14, 2001 Network of Women Alumnae: Harvard Business School
Featured Speaker: "Inside Look at the World of Biotechnology"
- October 27, 2001 20th Annual G2 Lab Institute
Panelist: "Today's Reality vs. Tomorrow's Promise"
- April 25, 2001 Women in Technology Association
Panelist: "Biotechnology: Understanding the Recent Buzz"
- May 18, 2000 Greater Boston Chamber of Commerce: Women's Network Breakfast
Featured Speaker: "The Impact of Biotechnology in Greater Boston"
- February 8, 2000 Massachusetts General Hospital: Women in Management Committee

Panelist: "Pathway to Leadership: Lessons Learned"

October 19, 1999

Women in Health Care Management Annual Fall Meeting

Panelist: "Health Care and the Local Economy"

June 12, 1997

American Cancer Society

Panelist: "Breast Cancer: Mobilizing Women into the 21st Century"

October 21, 1996

Boston Women Communicators

Panelist: "Communicating the News on Women's Health Issues"