

James De Vellis
Partner
Foley & Lardner

James De Vellis is an intellectual property lawyer focusing on patent portfolio development, related counseling, and postgrant practice. He is a partner in the firm's Electronics and Patent Office Trials Practices and chair of the Intellectual Property Department in Foley's Boston office. He is also a member of the CleanTech, Energy Transition, Automotive, and Innovative Technology Sector Teams, as well as the firm's Environmental, Social, and Governance (ESG) Team.

James practices to advance clients' business objectives by developing sustainable patent portfolios and by acting as a check on competitors' patents that encroach beyond their appropriate boundaries. He is active in the areas of electric vehicle technology, batteries and battery system management, autonomous technology, medical devices, AgTech, clean water tech, power grid management, internet services, voice-based devices, and other innovative spaces.



Joan Popolo

Executive Director

ACTION Innovation Network

Joan serves as Executive Director at ACTION Innovation Network, a New England-based association of technology business incubators and other entrepreneur support organizations, focused on the sectors of cleantech, life science, robotics, bluetech, advanced materials, agtech, and aerospace. ACTION also hosts programs for international growth-

stage companies as they explore US market entry opportunities in the Northeast.

Prior to her position with ACTION, Joan worked with the MIT Enterprise Forum of Cambridge's Ignite Clean Energy (ICE) Business Plan Competition and as Recruitment Chair for the Northeast Cleantech Open accelerator in supporting early-stage ventures.

Joan began her career as a research scientist in the Agricultural Biotechology Group at BioTechnica International in Cambridge, MA, working to increase disease resistance and nutritional qualities of crop plants.

Joan earned a B.S in Plant Science and Horticulture from Cornell University, and an M.S in Plant Science from Michigan State University.



Jeanne LeClair

Vice President of Economic
Development & Partnerships
Massachusetts Life Science Center

Jeanne joined the MLSC in October 2020, starting as the Director of Business
Development. Now in her current roles, she develops and executes strategies to enhance life sciences job growth in the Commonwealth by building relationships with key industry stakeholders, workforce training partners, and public agencies. She also manages the MLSC's Pathmaker program, creating partnerships between industry and training providers to offer creative training opportunities to students and career-seekers looking to enter the life sciences workforce.

Prior to joining MLSC, Jeanne served as the Economic Development Director for a pilot program unifying community development

efforts in six small towns in Western Massachusetts, Jeanne earned her BA from Boston University and worked at the Cambridge-based political magazine Boston Review. She received her Masters in Public Policy and Masters in Business Administration from the Heller School for Social Policy and Management at Brandeis University, where she focused her efforts on entrepreneurship, economic equity, and community development. After graduate school, she worked at the Boston Public Market in a variety of roles including business operations. Jeanne originally hails from the small town of Clarksville, Missouri where she grew up on a working farm.



Rachel Robinson

Chief Operating Officer
MassMEDIC

A high-energy, connection-driven, non-profit executive, with a background in life sciences, technology and robotics engineering, Rachel joined MassMEDIC as Vice President in February 2020. During her tenure, the organization has tripled its headcount and increased its operating budget by more than 40%. Rachel joined the organization just weeks before the COVID-19 pandemic shut down all in-person events, and pivoted its in-person events strategy, launching a virtual events campaign to serve members and keep the medtech community connected.

Promoted to Chief Operating Officer of MassMEDIC in 2021, Rachel is responsible for executing the organization's strategy, including cultivating community partnerships and employee development. She guides the direction and execution of the organizations

programming and community collaborations, including Think Tanks on patient engagement, Working Groups around digital health, and she leads the MassMEDIC's IGNITE Accelerator Program.

As President of MassMEDIC IGNITE, one of medtech's most successful accelerators, it has been her honor to help women- and minorityled ventures, raise more than \$100M in the past two years. Their goal, and hers, is to drastically improve how medicine is practiced and challenge the standard of care.

Rachel has spent the last 15 years in life sciences, primarily focusing on promotion of this important industry through business development and marketing. Through roles at Delve, Acorn Product Development and MPR, her skills have been centered on developing new strategic relationships, growing teams, and initiating thought leadership initiatives to drive awareness.



**Lisa Brady** 

Vice President, Global Sustainability and Chief Sustainability Officer, Insulet

Lisa leads the Corporate Environmental, Social and Governance (ESG) strategy at Insulet, developing innovative new business models and ecosystems to sustain positive global impact. She has held Executive roles in Sustainability and CSR in Supply Chain Operations at Cisco, Dell Technologies, and EMC Corporation. Prior roles include IT portfolio management, internal consulting and leadership positions at Massachusetts General Hospital and Washington University School of Medicine, including consulting to the World Health Organization.



**Cormac O'Prey** 

Director, Kestrel Technology Consulting

An experienced product development engineer and project manager, Cormac has been working in the Cambridge product development community with a focus on medical devices since 2000. His track record includes High Throughput Screening (HTS) systems, surgical instruments, drug delivery devices and patient care equipment. In 2017 Cormac founded Kestrel Technology Consulting and the development of cuttingedge medical technology continues to be Kestrel's core business.

In parallel, he has played a pivotal role in the development of the BS8887 / ISO8887 set of national and international standards on design for Manufacture, Assembly, and End of Life Processing since 2007, and is shortly to take up a new position as chair of the steering committee.

In September 2022 Cormac was appointed Chairman of the BSi committee and working group on best practice guidelines for Sustainable Design and manufacture of Medical Devices, With the collaboration of partners in industry, healthcare, regulators and researchers the group has been working on practical solutions to reduce healthcare's significant environmental footprint. In late 2023 Cormac joined the US-based ASTM E60.42 group on Designing for Recyclability of Single-Use Medical Products and Packaging, and will shortly be joining the EU-based CEN/TC 406 committee on eco-design for the mechanical sector to provide a vital perspective on how sustainable design works globally.

Cormac's passion is how product design and manufacture in medical can continue to prioritise patient health while minimising the environmental impacts to our planet – and to us – and he has lectured in Cambridge UK on Engineering Design and Global Business.

Cormac has published articles on sustainable design in medical and has spoken on sustainability at numerous national and international conferences.



**Shannon Hoste** 

Chief Scientific Officer Pathway for Patient Health

Shannon is the Chief Scientific Officer at Pathway for Patient Health focusing on global quality and regulatory science initiatives, supports client efforts on a part time basis as a principal engineer at Kymanox, and is active on several standards and conference committees for medical devices and combination products. Formerly, Shannon worked as Team Lead for Human Factors in FDA's Center for Devices and Radiological Health (CDRH) and as reviewer within the Center for Drug Evaluation and Research (CDER). Outside of Shannon's work for the FDA, she continues to build on her 25+ year career where she has worked in the medical device, IVD and combination product industry as a R&D and Quality as an engineer and leader. Over this time, she has worked within and directed teams in all phases of product development from front end research to post-market support; as well as architecting process improvements for risk management, requirements management, software validation, system verification/validation and the incorporation of human factors and usability into overall product development

processes. Shannon has a earned a B.S. Mechanical Engineering from the University of Toledo, a M.S. in Management from Mount Vernon Nazarene University, and a M.S. in Cognitive Systems Engineering from the Ohio State University.



**Tom Frantz** 

Director, Advanced Materials Development, Technimark LLC

Tom is currently the Director of Advanced Materials Development at Technimark LLC in Asheboro, NC, supporting Technimark's global material science and sustainability efforts. This includes providing product and process development support for Technimark's recycling division and achieving clients' sustainability goals.

With 40 years' experience in the polyolefins and thermoplastics industry working for resin producers, refiners, compounders, and converters, Tom has a strong technical background and is a subject matter expert in recycling polyolefins.

Tom is the vice-chair of the Association of Plastics Recyclers (APR) Board of Directors. He also chairs the Olefins Technical Committee creating technical guidance for APR's Design Guide and participates in the APR chemical recycling working group. Tom represents Technimark on the Healthcare Plastics Recycling Council (HPRC) and is a member of its executive committee. Tom serves as a subject matter expert to the Closed Loop Partners Infrastructure Investment Committee. Tom is a member of the ASTM E60.42 subcommittee and is the technical contact for work underway to produce an ASTM guide on designing for recyclability of single-use medical products and packaging.

Tom obtained his BS in Polymer Science Engineering from Case Western Reserve University and his MS from the University of Pennsylvania/Wharton School of Business in Technology Management. He is an avid runner and enjoys trail and mountain running.



**Robert Ellsworth** 

Director for Enterprise Sustainability, Medtronic

As Medtronic's Director for Enterprise Sustainability, Robert Ellsworth brings 15 years of expertise in sustainable business strategy, legal and regulatory compliance, and health system stakeholder engagement. With an educational background in the life sciences, ecosystem services, and corporate strategy, he serves a vital role in driving sustainability initiatives for Medtronic, the medtech industry and healthcare sector. Robert has led sustainability strategy development, overseeing enterprise program implementation and impact reporting at organizations within higher ed, agriculture, metals manufacturing, urban mining, materials recovery and waste management. Robert's passion for sustainable development and strategic leadership are aimed at making a lasting positive impact fostering ethical, responsible business practices, at the nexus of sustainability and health.



Richard Meiklejohn

Innovation Leader, UMass Lowell Medical Device Development Center (M2D2)

Richard is an Innovation Leader, currently based at UMass Lowell M2D2, where he plays a pivotal role in helping early-stage life sciences

ventures form and accelerate their commercialization pathway. Managing a global accelerator program, he works with a diverse range of startups to support fundraising and technical development.

Richard has designed and led innovative program partnerships with large corporates & federal organizations including BARDA, Boston Scientific, Economic Development Administration (EDA), Hologic, Johnson & Johnson, National Institute of Health (NIH), and Point32Health. Over the past two years, he has helped startups build thousands of strategic relationships, raise more than \$75M in venture financing, and mentored companies on how to navigate their GTM strategy.

He is regularly recruited to provide advice on the innovation ecosystem, translating research, and raising venture finance. Richard shares his expertise through events, webinars, and workshops, as well as reviewing grant and investment opportunities. He is a passionate advocate of entrepreneurship and can be found promoting startups as a co-host on the Medtech Impact Podcast.



Peylina Chu, PE

Antea Group Senior Vice President HPRC Executive Director

Peylina Chu is a master at helping companies manage the multiple business aspects of ESG and Sustainability, from materiality to stakeholder engagement, to strategic investment for business value and positive impact. With her 20+ years of experience, she understands that in addition to traditional regulatory drivers, today's companies must meet public and customer expectations, investor concerns and non-governmental organization demands. Peylina leads the

Healthcare Plastics Recycling Council (HPRC), a private technical consortium of industry peers across the manufacturing, healthcare, and recycling industries seeking to improve the recyclability of plastic products and packaging used within healthcare.



**Daniel Lachos Perez** 

Department of Plastics Engineering, UMass Lowell

Daniel Lachos is a Postdoctoral Research Associate in the Department of Plastics Engineering at the University of Massachusetts Lowell (UML). During his graduate studies, he focused on characterization and thermochemical biomass conversion, including sugarcane straw, sugarcane bagasse and orange bagasse, by hydrothermal processes to produce valuable compounds as a biorefinery concept. As a postdoctoral research fellow at UML, his research focuses on converting plastic waste into valuable chemicals and clean fuels. He has studied different feedstocks such as linear low-density polyethylene and multilayer films. Utilizing thermochemical processes such as pyrolysis and hydrothermal liquefaction, Daniel has successfully transformed plastic waste into environmentally beneficial fuels and aromatic chemicals. Collaborations with industrial partners like Braskem and Millipore have further enhanced his practical experience in addressing various plastic waste challenges, motivating him to develop a continuous hydrothermal process. Daniel Lachos Perez has contributed significantly to academic literature with 27 articles and 3 eBook chapters. Additionally, Daniel has applied for 1 patent, showcasing the innovative contributions to the field. Daniel`s work has been highly cited, with a total of 1604 citations,

resulting in an H-index of 15, indicating a substantial impact and influence within the research community.



**Katherine Hofmann** 

Sustainability Strategic Initiatives Manager, Eastman

Katherine Hofmann, PhD, joined Eastman in 2012 as part of the Polymers Technology Division working in front end research, product development, and applications development. During this time, she helped launch Tritan Renew, Eastman's first molecularly recycled material, and leveraged her expertise in ISCC+ certification to assist customers across multiple industries to successfully achieve certification. In the summer of 2022, Katherine joined Eastman's corporate sustainability team as a Sustainability Strategic Initiatives Manager supporting Eastman's Plastics and Circular businesses. In her current role, Katherine helps drive sustainability efforts and strategy within the organization as well as helping advance the adoption of molecular recycling externally with customers and across the value chain. Katherine actively invests in the medical plastics community through education and project leadership in organizations such as Kilmer Innovations in Packaging (KiiP) and the Healthcare Plastics Recycling Council (HPRC) where she also participates in the executive committee.



Daniel Schoener

Owner, Adler Innovation

Dr. Daniel Schoener is an innovation leader and has been working as an independent consultant since early 2020. After 12 years of global medical product development experience working for Roche Diagnostics and PerkinElmer, he founded his own boutique innovation consulting company, Adler Innovation LLC. As corporate R&D leader he was responsible for product portfolios that are now totaling >\$2B in annual revenue. He is passionate about radical innovation and is an active mentor in the New England innovation ecosystem supporting upcoming startups through the Nucleate, MassNextGen, M2D2 Impact and Clean Tech Open Accelerator programs. Daniel is also an angel investor for pre-Seed to Series A startups.

In his corporate career, Daniel has directed late-stage tech integrations, global tech transfers, R&D partnerships, and interactions with the FDA. Having held senior leadership positions in the Business and R&D functions, he is intimately familiar with taking teams through changing environments and providing growth opportunities to his staff through exposure and coaching.

Daniel holds a PhD in Computational Biology and a Masters Degree in Data Analytics from ETH Zurich in Switzerland as well as a Diploma in Biology from the University of Freiburg in Germany.



**Dr. Susan Moffatt-Bruce** 

President,
Lahey Hospital & Medical
Center, Beth Israel Lahey
Health

Dr. Susan D. Moffatt-Bruce, MD, FRCSC, PhD, MBA, FACS, is President of Lahey Hospital & Medical Center of Beth Israel Lahey Health. An academic leader and cardiothoracic surgeon with sharp business acumen and a passion for

value-driven care, Dr. Moffatt-Bruce advancing her vision of creating a learning health system environment at Lahey, a century-old tertiary academic medical center regarded for its clinic model of care, innovative technology, pioneering medical treatments and leading-edge research. She is a professor of surgery at UMass Chan Medical School.

Previously, Dr. Moffatt-Bruce was the Chief Executive Officer of the Royal College of Physicians and Surgeons of Canada and Royal College International, and prior to that served as executive director and Chief Quality Officer at The Ohio State University (OSU) Wexner Medical Center. She completed her undergraduate degree at McGill University, and medical school and residency in General Surgery at Dalhousie University. She undertook a PhD in Transplant Immunology at the University of Cambridge, England, completed her Cardiothoracic Surgery fellowship at Stanford University, California. She earned her Master of Business Operational Excellence and her Executive Masters of Business Administration at the Fisher College of Business at The Ohio State University. She sits on the Board of Trustees for the Massachusetts Health & Hospital Association. In 2023, she was recognized for her contributions as a mentor, patient advocate and role model, earning the American Medical Association Women Physicians Section Inspiration Award. She was named to Becker's Health Care's "Women Hospital Presidents and CEOs to Know" for 2024.



Sarju Ganatra

Vice Chair, Dep't. of Medicine for Research, Dir. Cardio-Oncology Program, Co-Director of South

Asian Cardio-Metabolic Program

Sarju Ganatra serves as a Vice Chair in the Department of Medicine for Research, Director of the Cardio-Oncology Program, and Co-Director of the South Asian Cardio-Metabolic Program. His research endeavors have focused on understanding the impact of social and environmental determinants on health. He is dedicated to working towards making healthcare delivery more sustainable and has led numerous projects and publications on this subject.



**Katherine Cipollone** 

Program Manager, Sustainability Development Center Medtronic

Katherine Cipollone has been a dedicated member of the Medtronic team for nearly four years, demonstrating a strong commitment to driving sustainable practices and impactful change within the organization. She initially joined Medtronic in an operations role, where she gained valuable insights and expertise in the company's core functions. A year and a half ago, she transitioned to the Sustainability Development Center, marking a pivotal moment in her career and showcasing her adaptability and passion for contributing to Medtronic's sustainability efforts. Currently serving as the Chief of Staff to Medtronic's Chief Sustainability Officer, Raman Venkatesh, Katherine plays a pivotal role in shaping and executing the company's sustainability initiatives. Her collaborative approach, combined with her deep understanding of operations and sustainability, positions her as a key influencer within Medtronic, driving forward the company's commitment to creating a healthier, more sustainable future for all. Katherine's leadership and strategic

acumen are evident in her contributions to the organization, where she works closely with the Chief Sustainability Officer to develop and implement sustainability strategies that align with Medtronic's values and objectives. Her dedication to driving positive change and fostering a culture of environmental responsibility underscores her significant impact on Medtronic's sustainability journey.



David Rosen

Partner, Public Policy
Foley & Lardner

With backgrounds in pharmacy and law, and 14 years of regulatory experience at the Food and Drug Administration (FDA), clients rely on David Rosen's nearly five decades of knowledge when seeking strategic guidance on FDA submissions, compliance, advertising, and enforcement. A partner and public policy lawyer with Foley & Lardner LLP in the firm's Washington, D.C. office, David has extensive experience in health law, life sciences, and food and drug regulation, including a range of FDA regulatory issues affecting prescription and over-the-counter pharmaceuticals, medical devices, and biologics. He is the firm's FDA Practice Group leader, and member of the Government Solutions Practice Group, the Cannabis and Food & Beverage Industries, and the Health Care & Life Sciences and Telemedicine Sectors.

David frequently speaks before national and international pharmaceutical industry associations on the ANDA submission and review process and on the IND and expedited drug development, review, and approval processes. He has presented before investment analysts and managers of venture

capital on the impact of FDA on the drug and biotech industry.



Jeffrey Champagne
Senior Director of Client
Engagement, EPAM Systems

Champagne, based in Greater Boston, brings 16 years of experience in medical device R&D innovation and 20 years of sales and marketing leadership in healthcare and innovative ecosystems. Jeff brings solid experiences in both well-established and start-up organizations, with strong bias for growth. He has developed relationships with business leaders and coached his clients to improve their productivity and profitability by defining roadmaps, navigating obstacles, and reaching objectives to speed up commercialization efforts.

Jeff is Board Vice Chair at LifeSciencesNY, Syracuse, NY, Board Advisor at M2D2 Massachusetts Medical Device Development Center at UMass-Lowell, Lowell, MA, and is on the Life Science Screening Committee for Boston Harbor Angels. Champagne has also recently been added as a Board Advisor to Medical Device Group (MDG) Boston. He is currently Senior Director of Client Engagement at EPAM Systems in Boston.

Champagne earned a Bachelor of Fine Arts in Illustration, Visual Communication Design degree from the University of Hartford Art School and an MBA in Marketing, Entrepreneurial Studies from the University of Hartford, West Hartford, CT.



Thomas G. Wenchell
CEO
RevMedica

Thomas G. Wenchell is the CEO and Co-Founder of RevMedica, a pioneering medical device company dedicated to revolutionizing surgical procedures. With over 30 years of experience in the medical device industry and a wealth of expertise in engineering and product development, Tom has established himself as a global leader in the field. He possesses over 100 issued patents, a testament to his innovative contributions to the industry. Tom's accomplishments speak to his ability to navigate complex challenges and drive innovation in the medical device industry. At RevMedica, Tom leads the development of a novel, handheld robotic solution intended to optimize clinical decision-making and improve patient safety with a cost-effective and environmentally friendly surgical system. Under his leadership, RevMedica has amassed a robust patent portfolio, assembled a team of key advisers, and successfully demonstrated the feasibility of RevMedica's core design. Tom's visionary leadership extends beyond product development. He has played a pivotal role in shaping RevMedica's strategic direction, building a talented team, and securing funding to support the company's growth. His handson approach to every aspect of the business underscores his dedication to ensuring RevMedica's success.



Jamie Magrill
CEO
NeedleAID by DECAP

Jamie Magrill completed his MSc in Biomedical Science from the Hebrew University of

Jerusalem in 2021 and an HonBSc from the University of British Columbia in 2018, with a focus on cancer and diabetes research, and is now completing a dual-doctorate MD-PhD at McGill University. With ten years of biomedical research experience, and eight years of volunteer leadership in student services, healthcare, adaptive aquatics and STEM teaching and outreach, Jamie comes to the table with a wide variety of experiences and skills that enable him to empower and guide people and projects to achieve their best results; helping the people who help make the world a better place.



Phil Sayles
CEO
Summate Technologies

Founder and CEO of Summate Technologies, which is pioneering Point of Care/Point of Use capture of UDI data on surgical devices used during surgery. Point of care UDI capture and documentation automation play key roles in eliminating waste and improving efficiency through reducing healthcare inventory carry levels through Lean Management practices and JIT (Just In Time) inventory replenishment.



Parna Sarkar-Basu
Founder
Brand and Buzz Consulting

A tech evangelist, <u>Parna Sarkar-Basu</u> serves as a strategic advisor to transformational leaders and tech pioneers and helps them launch and reinvent companies to drive sustainable growth. She specializes in orchestrating seamless pivots, identifying new markets and positioning companies for successful fundraising and acquisition. Recipient of multiple awards, Parna has helped propel dozens of tech companies into

innovation leaders in highly competitive markets -from robotics and artificial intelligence (AI) to enterprise software and professional services.

Parna is frequently invited to speak and moderate executive sessions at industry conferences and tech events and regularly contributes to <u>various publications</u>. She serves on the board of Net Zero Institute, Alray Scholars Program, Boston New Technology and Fisher College Career Advisory Council. Parna is also a mentor at MassRobotics, Innovation Studio and Prepare 4 VC accelerator programs.



**Cliff Emmons** 

Founder & President Accelerated Healthcare Innovations, LLC

Cliff is a visionary senior technology leader, entrepreneur, angel investor, and advisor with extensive experience in creating, building, and transforming organizations in the USA, India, and China at both Fortune 500 companies and startups. He is highly recognized and skilled in leveraging innovative technologies that generate sustained revenue growth. Cliff has over twenty years' experience in developing Medical Devices. He holds bachelor degrees in mechanical and electrical engineering and a masters degree in management engineering (his "MBA for Geeks"). He is currently the CEO of IIOT-OXYS, Inc., Founder & President of Accelerated Healthcare Innovations, LLC, a mentor for Tampa Bay Wave Accelerator, serves on the Board of Directors for ACTION Innovation Network, and a Boston Harbor Angel member.



**Josh Wiesman** 

VP Innovation Strategy, Inogen Professor, Tufts University

Josh Wiesman is a biomedical engineer and entrepreneur by trade who has authored several medical and scientific publications, lectured internationally for the leading authorities in medicine and science, holds over 20 issued US Patents and over 40 additional pending patents across medical device and consumer products.

Currently, Josh is the Vice President of Innovation Strategy at Inogen, Inc. and holds a faculty position as a Professor of the Practice at Tufts University where he teaches Entrepreneurship and Product Design at the School of Engineering.

Josh joined Inogen from Clif Bar & Co. where he was the Sr Director of Research & Science and led Nutrition, Regulatory Affairs, Ingredient Sciences, Sustainable Product Development, and Open Innovation.

Josh holds a B.S. and M.S in Biomedical Engineering from Tulane University, New Orleans, LA.

This event would not have been possible without the dedication and expertise of our stellar organizing committee. Thank you!

#### **MEDTECH SUSTAINABILITY FORUM**



Cormac O'Prey
Principal & Director
Kestrel Technology Consulting



Jeffrey Champagne Senior Director of Client Engagement EPAM Continuum



Cliff Emmons
Founder, Medical Device Sr. Leader
Accelerated Healthcare Innovations



Mary Ann Pickard Director of Operations UMass Lowell M2D2



Richard Meiklejohn Innovation Leader UMss Lowell M2D2



Joan Popolo
Executive Director
ACTION Innovation Network

**ORGANIZING** 

COMMITTEE