

BioCrossroads®

LIFE SCIENCES SUMMIT 2025

PRESENTED IN PARTNERSHIP WITH



AgriNovus
INDIANA

ONE
HEALTH

Advancing and
Defining Indiana's
Leadership Opportunity

A young girl with curly hair, wearing a yellow dress and yellow rain boots, is jumping in a puddle. She is holding a blue ball with a purple flower on it. A golden retriever is standing next to her, looking up at her. The background is a green field.

We Go Beyond

Making life better for animals, makes life better.

We break boundaries every day — in our labs, on farms, in clinics, stores, and homes around the world — to deliver innovative products for pets, livestock and the people who care for them. For more than 70 years, we've actively transformed animal care, for animals, customers, and society to create a better, more sustainable world. Going beyond for you.

Elanco



Welcome to the 2025 BioCrossroads Life Sciences Summit, presented in partnership with AgriNovus Indiana!

For more than 20 years, this event has served as a platform to highlight the people, organizations, and ideas shaping Indiana's life sciences sector. Each year, we convene to discuss where we've been, where we're headed, and what it will take to lead in the life science areas where Indiana, given its assets and strengths, has a right to win.

This year's theme, One Health: Advancing and Defining Indiana's Leadership Opportunity, reflects exactly that kind of opportunity, given our state's unrivaled strengths across human, animal and plant health.

One Health reflects the deep inter-relationship between human, animal, and plant health. But more than simply a concept, as reflected in many examples all around us, several of which we will explore today, it serves as a call to action, and one that Indiana is uniquely positioned to answer.

Across our state, world-class research universities, global companies, and public-private partnerships are already working at the intersection of these domains. Together, we're creating real-world solutions that improve health outcomes, strengthen food systems, bolster supply chain resilience, and advance our national security.

Today's Summit is a moment to reflect and align.

To identify the opportunities we're ready to seize and challenges we're ready to tackle.

It's a moment to ask: what can we accomplish when we align our collective strengths around a shared vision?

We're proud to present this year's Summit in partnership with our fellow Central Indiana Corporate Partnership branded initiative AgriNovus Indiana, and grateful to Elanco for hosting us at their new, beautiful global headquarters in the heart of the emerging One Health Innovation District.

Our deepest thanks to our sponsors, speakers, and each of you for the time, insight, and leadership you bring to today's conversation.

We're glad you're here and we're excited for what's ahead.

Sincerely,

Vince Wong
President & CEO, BioCrossroads



The AgriNovus Indiana team welcomes you to the 2025 Life Sciences Summit! We are proud to present this year's event in partnership with BioCrossroads as we advance our shared commitment to innovation in a space emerging with opportunity: One Health.

From nutrition security to chronic illnesses and sustainability to soil health, some of the most pressing challenges of our time have an interconnection among plant, animal, human and environmental science. At the nexus of these One Health domains is food, and

Indiana is in an enviable position to lead the charge.

Consumers continue to examine the impact of their food choices on their personal, community and environmental health. Across Indiana, innovators are pursuing new approaches to product development and agricultural practices that enhance supply chain resilience while also meeting sustainability goals and commitments.

This interconnection strengthens our food economy and that's mission critical to this One Health discussion.

As you move through today's Summit, it is my hope that you are able to engage in meaningful conversations that inspire new insights and perspectives. Across Indiana's leading universities, agbioscience and life sciences ecosystems, there is a massive opportunity to unite stakeholders to identify and solve some of our most pressing challenges. It all starts in places like this.

A special thank you to our fellow Central Indiana Corporate Partnership initiative, BioCrossroads, for their partnership of this year's Summit. We are also grateful to Elanco for hosting us at their newly built global headquarters, an incredible commitment to our great state and to advancing One Health innovation.

Our deepest appreciation to each person who has taken time to speak, listen, learn and participate in advancing today's dialogue. We look forward to driving outcomes with you, together.

One Health is more than simply collaboration or a great story. It is Indiana's next economy to explore, develop, lead and own.

Sincerely,

Christy Wright
President & CEO, AgriNovus Indiana

7:30 AM

Breakfast &
Networking

Presented by

**8:30 AM**

Welcome

Vince Wong

President & CEO
BioCrossroads

Christy Wright

President & CEO
AgriNovus

8:40 AM

Indiana's One
Health Economy

David Adams

Secretary of Commerce
Indiana

9:00 AM

Why One Health,
Why Indiana, And
Why Now?

Mung Chiang

President
Purdue University

**Pamela
Whitten**

President
Indiana University

Chuck Magro

CEO
Corteva

**Moderator-
Melina**

Kennedy

CEO
Central Indiana
Corporate
Partnership

Dave Ricks

President & CEO
Eli Lilly and Co.

Jeff Simmons

President & CEO
Elanco

10:00 AM

Healthier
People, Pets,
Farms And
Farmers

Sylvie Brouder

Director
Purdue Center for
Global Food
Security

**Christina
Lopes**

Co-Founder and CEO
FidoCure

**Jay Price,
DVM**

President and CEO
Mission Pet Health

**Michael
Lairmore,
DVM, PhD**

Distinguished
Professor (emeritus)
former dean UC Davis
and Acting Executive
Director, North
America One Health
University Network

**Moderator -
Aaron Schacht**
CEO
BiomEdit**10:55 AM**

Our Food
Supply: The
Changing
Dynamics And
How We Must
Pivot

**Heather
Eicher-Miller**

Professor, Department
of Nutrition Science
Purdue University

**Moderator -
Christy Wright**

President and CEO
AgriNovus

**Ignacio
Bartoleme**

CEO
GDM

11:50 AM

Lunch Break

Presented by


BIOPHARMA SERVICES

1:00 PM

**One Health
In Action:
Indiana's
Leadership
Role To
Reshore The
Life Sciences
Supply Chain**

Daniel Golden
VP of Global R&D
Strategy and Research
& Discovery
Elanco

Arup Roy, PhD
Senior VP, Technical
Services and
Manufacturing Science
Eli Lilly & Company

Wendy Srnicek
Vice President of
Biotechnology
Corteva Agriscience

Elizabeth Topp
Director, William
D. and Sherry L.
Young Advanced
Manufacturing of
Pharmaceuticals
Institute
Purdue University

**Moderator -
Ed Maginn**
Keough-Hesburgh
Professor of
Engineering
Associate Vice
President for Research
University of Notre
Dame

1:45 PM

**One Health In
Action: Indiana's
Research
Universities
Fueling
Innovation
To Drive
Leadership**

**Dan
DeLaurentis,
PhD**
Executive Vice
President for
Research and Bruce
Reese Professor
of Aeronautics and
Astronautics
Purdue University

**Jeff Rhoads,
PhD**
Vice President for
Research
University of Notre
Dame

**Russell
Mumper, PhD**
Vice President for
Research
Indiana University

**Moderator -
Lucy Flesch,
PhD**
President and CEO
Mission Pet Health

2:30 PM

One Health
in Action:
Reshoring the
Nation's
Animal, Plant,
and Human
Health Supply
Chain

Sen. Todd Young

United States Senate
Indiana

Ilya Yuffa

Executive VP, Eli Lilly and Company
President, Lilly USA and Global Customer Capabil-
ities

3:00 PM

August M. Watanabe
Life Sciences Champion Of
The Year Award Presentation

3:10 PM

Closing Remarks **Vince Wong, JD, MBA**

President and CEO
BioCrossroads

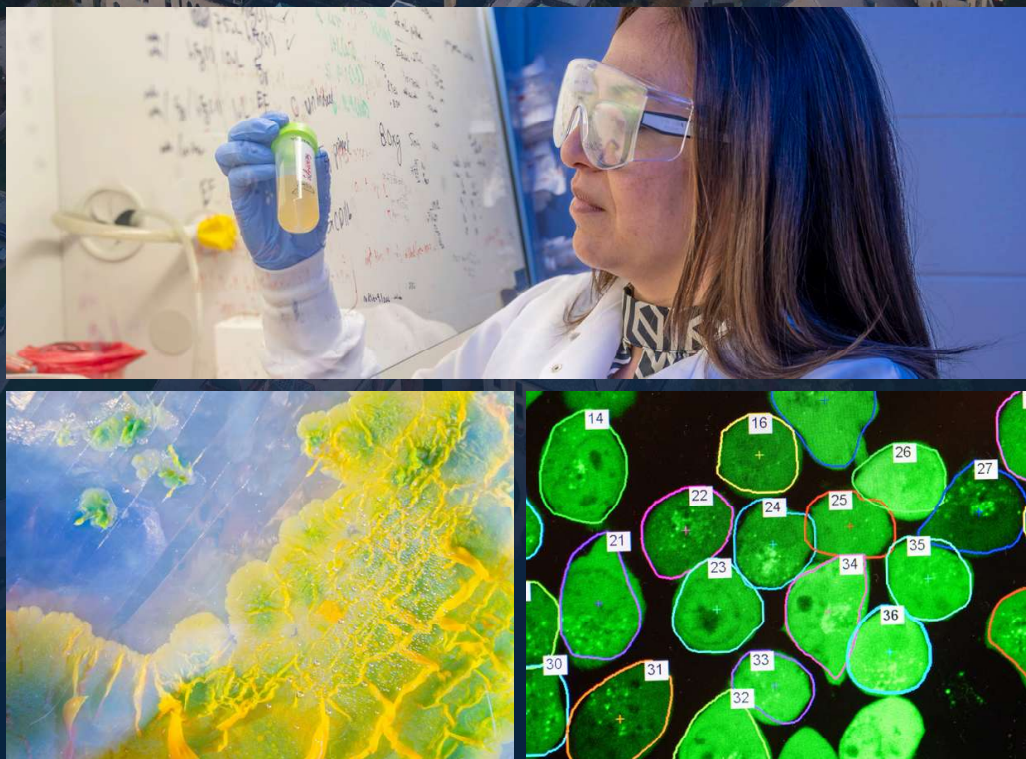
3:30 PM

Networking

Presented by



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couldn't be done.
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We pioneered the first FDA-approved radioligand therapy, targeting cancer with a precision it never saw coming.

FDA, US Food and Drug Administration.



Actor portrayal.

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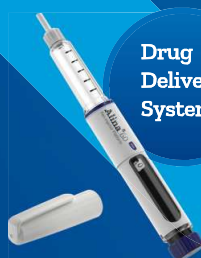


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SPEAKER BIOS



David Adams has served as Indiana Secretary of Commerce and a member of Governor Mike Braun's cabinet since his appointment in January 2025. Sec. Adams oversees multiple state agencies including the Indiana Economic Development Corporation, the Department of Workforce Development, the Governor's Workforce Cabinet, the Indiana Destination Development Corporation, the Indiana Arts Commission, the Indiana State Fair, and the Ports of Indiana. Prior to becoming secretary of commerce, Adams was a Managing Partner of Adams Advisors LLC and a Senior Advisor with the Boston Consulting Group where he leveraged his expertise on education, economic, and workforce development to advise corporations, state and local governments, and higher education leaders on economic growth and transformation. Adams previously served as

Commissioner of the Indiana Department of Workforce Development, during which he put Indiana on a course that improved the state's CNBC 'America's Top States for Business' workforce ranking from 48th to currently 14th and successfully secured legislation and financial resources to support Governor Eric Holcomb's workforce agenda. Prior to his time with the Department of Workforce Development, Adams was the first chief innovation officer at the University of Cincinnati, where he was the visionary leader in the formation of the Cincinnati Innovation District. His work was adopted by the state and became the model for the state of Ohio which has resulted in an additional 45,000 STEM graduates, \$6 billion in additional research, and tens of thousands of high-value jobs for the state.



Sylvie M. Brouder is a Professor of Agronomy and Wickersham Chair of Excellence in Agricultural Research at Purdue University. She also is the Director of the Purdue Center for Global Food Security and of the Purdue Water Quality Field Station, an in-field laboratory for studying nutrient cycling in agricultural systems. Her research focuses on the intersection of management and the environment and examines the synergies and tradeoffs among crop productivity, soil health and ecosystem services. She works directly with agricultural stakeholders in translating scientific results into guidelines and recommendations to facilitate on-farm implementation of novel managements for improved return on investment, resiliency and land stewardship. Her work has been recognized with numerous awards including election as Fellow of the American Society of Agronomy,

the Soils Science Society of America, and the American Association for the Advancement of Science. Her extensive record of service to agricultural professionals was recognized by the American Society of Agronomy with their Distinguished Service Award. She earned her bachelor's degree in biology from Harvard and Radcliffe Colleges and a doctorate in ecology from the University of California – Davis. As Director of the Center for Global Food Security, she facilitates Purdue collaborations and seeks opportunities for portfolio growth at the nexus of food and farm security with the broader health agendas.



Ignacio Bartolome, CEO of GDM, joined the company in January 2017 as Business Director of North America after holding various positions in diverse territories in Louis Dreyfus. In December 2021, he took over as GDM's CEO. Ignacio holds a bachelor's degree in business administration and technology from Instituto Tecnológico de Buenos Aires (ITBA), and an EMBA by Kellogg Business School, Northwestern University, Chicago.

SPEAKER BIOS



Mung Chiang is President of Purdue University and the Roscoe H. George Distinguished Professor of Electrical and Computer Engineering. Prior to being elected university president in 2022, he was the John A. Edwardson Dean of the College of Engineering and executive vice president for strategic initiatives at Purdue University. He received BS (1999), MS (2000) and PhD (2003) from Stanford University and an honorary doctorate (2024) from Dartmouth College. He founded the Princeton EDGE Lab in 2009 and co-founded several startup companies and industry consortia, and most of his 26 U.S. patents are licensed for network deployment. For his research in communication networks, wireless technology, and network optimization, he received the NSF Alan T. Waterman Award (2013), as well as IEEE Founders Medal (2025), IEEE INFOCOM Achievement

Award (2022), IEEE Kiyo Tomiyasu Award (2012), and Guggenheim Fellowship (2014). He was elected to the American Academy of Arts and Sciences (Class of Mathematical and Physical Sciences 2024), the Mung Chiang is President of Purdue University and the Roscoe H. George Distinguished Professor of Electrical and Computer Engineering. Prior to being elected university president in 2022, he was the John A. Edwardson Dean of the College of Engineering and executive vice president for strategic initiatives at Purdue University. He received BS (1999), MS (2000) and PhD (2003) from Stanford University and an honorary doctorate (2024) from Dartmouth College. He founded the Princeton EDGE Lab in 2009 and co-founded several startup companies and industry consortia, and most of his 26 U.S. patents are licensed for network deployment. For his research in communication networks, wireless technology, and network optimization, he received the NSF Alan T. Waterman Award (2013), as well as IEEE Founders Medal (2025), IEEE INFOCOM Achievement Award (2022), IEEE Kiyo Tomiyasu Award (2012), and Guggenheim Fellowship (2014). He was elected to the American Academy of Arts and Sciences (Class of Mathematical and Physical Sciences 2024), the National Academy of Inventors (2020) and the Royal Swedish Academy of Engineering Sciences (2020). In 2020, as the Science and Technology Adviser to the U.S. Secretary of State, Chiang initiated Tech Diplomacy programs in the U.S. government. In 2024, he started serving on the inaugural board of the U.S. Foundation for Energy Security and Innovation and was elected to the Board of Directors of the U.S. Olympic and Paralympic Committee as an Independent Director.



Daniel DeLaurentis, PhD, is Executive Vice President for Research and the Bruce Reese professor of Aeronautics and Astronautics at Purdue University. DeLaurentis is the Senior Research Officer responsible for increasing the scale and impact of Purdue University's research enterprise and enabling the success of faculty-driven research by supporting cross-college collaborations. His own research program operates through the Center for Integrated Systems in Aerospace (CISA), working with faculty colleagues and students to research problem formulation, modeling, design and system engineering methods for aerospace systems and systems-of-systems. DeLaurentis previously served as Chief Scientist of the U.S. Department of Defense Systems Engineering Research

Center (SERC) UARC, working to understand the systems engineering research needs of the defense community (primarily) and translate that to research programs that are mapped to the nation's best researchers and students in the SERC network of 25 universities. He is Senior Research Fellow at the Krach Institute for Tech Diplomacy at Purdue and has been elected Fellow of the International Council on Systems Engineering (INCOSE) and Fellow of the American Institute of Aeronautics and Astronautics (AIAA).

SPEAKER BIOS



Dr. Heather A. Eicher-Miller is a Professor in the Department of Nutrition Science at Purdue University. Dr. Eicher-Miller is a nutrition epidemiologist experienced in dietary patterning and assessment, focused on improving food security among low-resource populations. She works to improve nutrition education and food assistance programs by evaluating their impact on dietary intake and health. Dr. Eicher-Miller also engages with communities to implement new dietary and health behavior focused interventions at food pantries and other community locations. She is a member of the American Society of Nutrition (ASN) and the Society for Nutrition Education and Behavior, where she has held various leadership roles, including her current role as VP-Elect of ASN. She is also a member of the Board of Editors for the “Journal of the Academy of Nutrition and Dietetics”

and the journal “Advances in Nutrition”. Dr. Eicher-Miller recently served on the 2025 Dietary Guidelines for Americans Scientific Advisory Committee. She received her PhD in Foods and Nutrition from Purdue University.



Lucy Flesch, PhD, is the Frederick L. Hovde Dean of the College of Science at Purdue University and Professor of Earth, Atmospheric, and Planetary Sciences. An accomplished geophysicist, her research explores how interactions between the Earth’s crust and mantle drive continental deformation, integrating geodetic, geologic, and seismic data. Since becoming dean in 2023, she has led strategic faculty recruitment, fostered interdisciplinary partnerships, and launched initiatives that elevate the College’s global reputation for research and innovation. Flesch earned her bachelor’s degree in physics from the University of Rochester and both her master’s degree in physics and Ph.D. in geophysics from SUNY Stony Brook. She has received research recognition in several areas and has been published extensively on continental deformation, crust-mantle interactions, and

tectonics, integrating geodetic, geologic, and seismic data.



Daniel Golden, PhD, is Vice President of Global R&D Strategy and Head of Research, Discovery & Breakthrough Innovation at Elanco Animal Health. He is responsible for the Global R&D and Regulatory portfolio strategy and ensures the pipeline delivers a consistent flow of high-impact innovation. Dr. Golden joined Elanco in 2015 as Director of Global Swine Pharmaceutical & Biopharmaceutical product development and held successive roles across R&D and in the U.S. Commercial organization, including direct-to-consumer retail and OTC product development. Prior to joining Elanco, he held several positions within R&D at Merial Animal Health including Director of Pharmaceutical Development, overseeing the strategic and operational aspects of assigned pharmaceutical R&D projects. Dr. Golden graduated from Auburn University with a B.S. in Microbiology. He earned his Ph.D. in Biochemistry &

Molecular Genetics at the University of Alabama School of Medicine in Birmingham. Dr. Golden’s research is published in peer reviewed journals and has been featured in multiple international conferences. He is a member of the American Association for Advancement of Science and on the board of the Indiana Biomedical Research Institute and BioCrossroads.

SPEAKER BIOS



Melina Kennedy is CEO of Central Indiana Corporate Partnership, an organization of industry CEOs, university presidents and philanthropy dedicated to driving economic prosperity in Indiana. She has more than 25 years of experience in law, government and business, including more than a decade at Cummins in a variety of business leadership roles in the Engine and Power Systems businesses as well as vice president of Product Compliance and Regulatory Affairs. She had a successful law career at the former Baker and Daniels LLP and was deputy mayor, director of economic development, for the City of Indianapolis from 2000 to 2005. She also served for seven years as president of the Capital Improvement Board of Managers. Kennedy has done extensive work on corporate, community and non-profit boards, and has received several awards for her active engagement in Indianapolis. She currently is a board member for the National Bank of Indianapolis; LDI Ltd., the Indianapolis Urban League and the Indiana University Academic Medical Center.



Michael D. Lairmore, DVM, PhD, is immediate past dean of the School of Veterinary Medicine at the University of California, Davis (UC Davis). He presided over six academic departments, the William R. Pritchard Veterinary Medical Teaching Hospital, the California Animal Health and Food Safety Laboratory System, the Veterinary Medicine Teaching and Research Center in Tulare, Veterinary Medicine Extension, and numerous centers of excellence. He helped create new programs to expand clinical trials, global and One Health programs, and innovation and entrepreneurship. He is one of the few veterinarians elected as a member of the National Academy of Medicine. He is also a Fellow in the American Academy of Microbiology and the American Association for the Advancement of Sciences. He served in numerous national leadership positions including President of the

American Association of Veterinary Medical Colleges and the American College of Veterinary Pathologists and served as a member of the National Institutes of Health Council of Councils. His research has provided significant breakthroughs in the biology of human retroviruses and the understanding of viral-associated carcinogenesis. He has authored or co-authored over 190 scientific publications.



Christina Lopes is the CEO and co-founder of FidoCure, a platform that utilizes AI and genomic sequencing to deliver personalized treatments for pet dogs with cancer while accelerating the development of lifesaving cancer therapies for humans. Under her leadership, FidoCure has expanded to over 1,350 veterinary clinics worldwide and has treated nearly 6,500 dogs with cancer. In collaboration with AI Health leadership at Stanford University, Lopes has developed the world's largest and most comprehensive canine cancer dataset, comprising over two billion data points collected from patients in real-world clinical settings. She has co-authored peer-reviewed research that has been published in leading scientific journals. The most recent study, published in Nature Scientific Report, focuses on canine splenic hemangiosarcoma (HSA), recognized as the

largest unmet need in veterinary oncology. Lopes previously served as Managing Director at Cerberus Capital Management, a firm overseeing \$50 billion in assets under management. She is a graduate of Columbia University and was recognized as a Young Global Leader by the World Economic Forum at Davos. Additionally, she has been named among Inc. Magazine's top 100 and top 500 female founders.

SPEAKER BIOS



Edward Maginn, PhD, is the Keough-Hesburgh Professor in the Department of Chemical and Biomolecular Engineering at the University of Notre Dame. He also serves as Notre Dame's Associate Vice President of Research, where among other things he focuses on research development in the international, defense, energy, and economic development areas. His research group develops and applies advanced molecular simulation methods to study the structure and thermophysical properties of fluids. Maginn was a pioneer in the use of molecular simulations to investigate ionic liquids and holds nine patents in the field. He has over 240 peer-reviewed publications and has written 10 book chapters. He is a Fellow of the American Institute of Chemical Engineers, the American Association for the Advancement of Science, and the National Academy of Inventors. He is a Trustee and Executive Director of the non-profit CACHE Corporation, which promotes the use of computational methods in chemical engineering. He has BS in chemical engineering from Iowa State University and a PhD in chemical engineering from the University of California, Berkeley. He worked for Procter and Gamble from 1987-1990 and has been on the Notre Dame faculty since 1995.



Chuck Magro was appointed chief executive officer of Corteva in 2021. Through its Pioneer brand, Corteva today is home to the No. 1 corn and soybean technology in the U.S. Corteva is the largest biologicals company in the world and invests nearly \$4 million every day in research and development to help farmers solve some of the world's toughest challenges. Prior to joining Corteva, Magro was President and CEO of Nutrien where he led more than 27,000 employees and guided the company through numerous M&A transactions, expanding globally and restructuring the industry. From 2014 to 2018, Magro was President and CEO of Agrium, which merged with Potash Corporation of Saskatchewan to create Nutrien. Magro today serves on the boards of CropLife International, Ingredion, and the Central Indiana Corporate Partnership. He is a member of the G100, The Business Council, and the University of Waterloo Dean's Advisory Council. He previously served on the Business Council of Canada, the Canadian Pension Plan Investment Board, as Vice Chairman of the International Fertilizer Association, as Chair and Board Member of The Fertilizer Institute, and as Board Steward for the World Economic Forum's Food Systems Initiative. Magro earned a Bachelor of Applied Science (Chemical Engineering) from the University of Waterloo and a Master of Business Administration from the University of Windsor.



Russell J. Mumper joined Indiana University in 2023 as the Vice President for Research overseeing the research enterprise for all IU campuses including Bloomington, Indianapolis, the School of Medicine, and five regional campuses. From 2019 to 2023 Mumper was Vice President for Research & Economic Development at The University of Alabama. During his time at UA the research enterprise increased by 113 percent. Mumper also spent 20 years at the University of Kentucky, the University of North Carolina at Chapel Hill, and the University of Georgia where he served in various college and university-wide leadership positions. Mumper also spent eight years working in the pharmaceutical and biotechnology industry in various research and product development leadership positions. Mumper has received nearly \$35 million in research grants and contracts and has published more than 310 peer-reviewed scientific manuscripts and abstracts in areas of advanced drug delivery systems, nanotechnology, and medical and health properties of berries and berry extracts. He is a named inventor on 30 awarded U.S. and foreign patents, many of which have been licensed to companies. Mumper has been elected to the National Academy of Inventors and has launched five university-based start-up companies.

SPEAKER BIOS



A native of Phenix City, Alabama, Dr. Jay Price received his BS in Zoology at Auburn University and Doctorate of Veterinary Medicine from Auburn University College of Veterinary Medicine. Prior to forming SVP, Dr. Price owned Oak View Animal Hospital and Patton Chapel Animal Clinic – the original animal hospitals within Southern Veterinary Partners. Prior to leading the Mission Pet Health team, his areas of interest in the hospital included oncology, internal medicine, and surgery. His focus these days is leading Mission's chart-topping growth while prioritizing autonomy of each hospital. Mission Pet Health is one of the leading veterinary care organizations in the U.S., formed by the merger of Southern Veterinary Partners and Mission Veterinary Partners. Mission Pet Health is reimagining excellence in veterinary care by providing world-class support to

hospital teams on a hyper-local basis. We are committed to delivering exceptional service, personalized medicine, and innovative experiences to our clients while empowering our team members with medical autonomy and unparalleled opportunities for personal and professional development. Together, we're driving a lasting impact for our teams, the communities we serve, and the pets we care for. Currently Mission Pet Health employees over 20,500 teammates supporting a portfolio of 950+ across the country.



Jeffrey F. Rhoads is the John and Catherine Martin Family Vice President for Research at the University of Notre Dame. He oversees Notre Dame's research and innovation ecosystem, supporting programs in all areas of research, scholarship, and creative endeavor. He also holds the position of professor of aerospace and mechanical engineering in the College of Engineering. Prior to joining Notre Dame, Rhoads was the executive director of the Purdue Institute for National Security and professor in the School of Mechanical Engineering. He previously was director of the Ray W. Herrick Laboratories, associate director of the Purdue Energetics Research Center, and director of practice for the Mechanical Engineering Education Research Center at Purdue. He is the recipient of the inaugural American Society of Mechanical Engineers' C. D. Mote Jr. Early Career Award,

the NSF CAREER Award, and the American Society for Engineering Education's Ferdinand P. Beer and E. Russell Johnston Jr. Outstanding New Mechanics Educator Award, as well as the Charles B. Murphy Award, Purdue's highest annual undergraduate teaching honor. Rhoads is a fellow of the American Society of Mechanical Engineers and a past member of the American Society for Engineering Education and the National Defense Industrial Association. He holds several patents and is the author of more than 150 peer-reviewed publications.



Dave Ricks has been board chair and CEO of Eli Lilly and Company since 2017 and Lilly's innovation strategy since that time has yielded a pipeline among the most valuable in the industry. Previously, Ricks held roles that spanned functions, geographies and therapeutic areas after joining the company in 1996. He served as general manager of Lilly Canada, president and general manager of Lilly China, president of Lilly USA, and president of Lilly Bio-Medicines. Supporting the health innovation ecosystem and local communities is also a priority. Ricks is on the boards of Adobe, Business Roundtable, Pharmaceutical Research and Manufacturers of America, International Federation of Pharmaceutical Manufacturers and Associations, The Business Council, the U.S. Patent and Trademark

Office's Council for Inclusive Innovation, and Central Indiana Corporate Partnership. Ricks earned a Bachelor of Science degree in Industrial Management (BSIM) with a focus on Industrial Engineering from Purdue in 1990 and an MBA from Indiana University in 1996. He has been awarded an honorary doctorate in pharmaceutical management from Purdue.

SPEAKER BIOS



Arup Roy is Senior Vice President of Technical Services/Manufacturing Sciences in Lilly Manufacturing at Eli Lilly and Company. His current responsibility spans across multiple modalities in drug substance (small, peptide, biologics), drug product (parenteral and orals) and devices. In this role his organization has responsibility for ensuring the right science and robust control strategies are implemented for commercial products. Prior to his new role, he was the Senior Vice President of Bioproduct Research and Development, leading an organization responsible for the process and product development of the diverse Lilly large molecule portfolio. He has over 30 years of experience in the pharma/biotech industry working at GSK and Lilly – including experience in both the small molecule and large molecule areas. He holds a Ph.D. in Pharmaceuticals from the University of Iowa. He received his M.S. in Biochemistry and B.S. in Chemistry at the University of Calcutta, India.



Aaron Schacht is CEO of BiomEdit - a biotechnology company focused on animal health product innovation leveraging the science of the microbiome and synthetic biology, addressing challenging conditions in livestock and pets. Schacht founded BiomEdit in 2022 after retiring from Elanco where since 2015 he led research and development, regulatory affairs, and business development. He transformed Elanco's innovation model, building and integrating internal and external strategies that positioned it as a leading independent animal health company. He led the strategic acquisitions of Bayer Animal Health, Aratana Therapeutics and Kindred Biosciences. His R&D teams delivered more than a dozen new products during his tenure while integrating the R&D capabilities and pipelines of Novartis Animal Health, Boehringer Ingelheim pet vaccines, Bayer Animal Health, Aratana, Prevetec and Kindred. Schacht was on the founding executive team that completed the carve out from Eli Lilly and Company, taking Elanco public in 2018. Schacht spent the first 25 years of his career at Lilly, beginning as a discovery research chemist and holding numerous roles across R&D, strategy, external innovation, and product development. Schacht is on the boards of Gallant Therapeutics, Redux Bio, Ophirex, Mileutis, Indiana Biosciences Research Institute, and Purdue Research Foundation.



Jeff Simmons serves as President and CEO of Elanco Animal Health, an independent animal health leader with the ability to reach the world's animals—specifically 19 species in nearly 100 countries. The Elanco team has established a unique innovation engine grounded in a higher vision: Food and Companionship Enriching Life. Elanco's Pet Health business is innovating effective products and therapeutic solutions for veterinarians who help pets live longer, healthier, more active lives. Elanco's Farm Animal business focuses on helping farmers and veterinarians raise healthy livestock to make food safer. Elanco is also a pioneer within livestock sustainability and is developing and delivering a portfolio of new products and solutions designed to ensure the world has access to safe, affordable, sustainable and high-quality protein. As an advocate for animal health, Jeff is active with HealthforAnimals (H4A), Animal Health Institute (AHI) and AgriNovus. His board roles reflect his passions for the human-animal bond with IU Health; food security with HATCH for Hunger™; and enabling leaders to thrive with Edge Mentoring.

SPEAKER BIOS



Wendy Srnic, PhD, is vice president of biotechnology at Corteva Agriscience and is responsible for the discovery and development of Corteva's biotechnology and gene-edited product pipeline, global genotyping, genomics to accelerate breeding, and novel enabling technologies. She and her team lead the biotechnology strategy, execution, science, capability development, scientists, laureates, and facilities including laboratories, greenhouse, and controlled environments. Wendy earned her Bachelor of Science in Crop and Soil Science at Michigan State University, a master's degree in Weed Science from Virginia Tech, and her Ph.D. in Crop Science from North Carolina State University. She spent the first seven years of her career in Europe (United Kingdom and Italy) before returning to the U.S. Wendy has two granted U.S. patents and 24 external publications. She serves on the Board of Trustees for Grand View University in Des Moines, Iowa, and the Board of Directors for the Indiana Biosciences Research Institute.



Elizabeth M. Topp is a Professor of Industrial and Molecular Pharmaceutics and Chemical Engineering at Purdue University, where she also is the Director of the William D. and Sherry L. Young Institute for the Advanced Manufacturing of Pharmaceuticals. She is Principal Investigator at the National Institute for Bioprocessing Research and Training (NIBRT) in Dublin, Ireland, having previously served as NIBRT's Chief Scientific Officer from 2019 to 2023. Her research addresses the formulation and stability of protein drugs and other biologics. She has held several leadership positions throughout her career, including Department Head and Dane O. Kildsig Chair in the Department of Industrial and Physical Pharmacy at Purdue University and faculty member at the University of Kansas Department of Pharmaceutical Chemistry. She has been recognized with numerous honors, including election as a Fellow of the American Association of Pharmaceutical Scientists, the Chaney Faculty Scholar Award from Purdue's College of Pharmacy, and the Michael J. Pikal NIPTE Distinguished Scholar Award in Pharmaceutical Processing. Dr. Topp earned her bachelor's degree in chemical engineering from the University of Delaware, a master's degree in chemical and biochemical engineering from the University of Pennsylvania, and a doctorate in pharmaceuticals from the University of Michigan. She has been instrumental in the Merck-Lilly-Purdue collaboration at the LEAP Innovation District in Indiana, representing a significant commitment to domestic manufacturing excellence.



Pamela Whitten is the 19th president of Indiana University, a leading public research university with nine campuses across the state. She leads the implementation of IU 2030, a strategic plan focused on student success, world-class research, and service to Indiana and beyond. Under her leadership, IU has surpassed \$1 billion in annual research expenditures and achieved R1 status for IU Indianapolis — making IU one of only a few universities nationwide with two campuses recognized at the highest level of research activity. Whitten spearheaded the IU Launch Accelerator for Biosciences, is pioneering major industry initiatives in microelectronics and life sciences and is internationally recognized as a leading expert in telemedicine.

SPEAKER BIOS



Vince Wong, JD, MBA, president and CEO of BioCrossroads and Indiana Seed Funds, brings significant valuable multi-national and start-up leadership experience to the organization. Mr. Wong became CEO in early 2024, and most recently was chief commercial officer at Geneoscopy, a venture-backed start-up company focused on developing gastrointestinal diagnostics and where he helped to raise more than \$100 million in venture capital. He serves as a director on the boards of Bionano Genomics, Indiana Biosciences Research Institute, OrthoWorx, and serves as Executive in Residence with IU Ventures. Prior to Geneoscopy, Mr. Wong enjoyed a 17-year career at Roche Diagnostics, where he held senior executive leadership roles, including leading a \$600 million business unit. Indianapolis Business Journal recognized Mr. Wong as one of Indiana's 250 most influential leaders.



Christy Wright is president and chief executive officer of AgriNovus. Her career is underlined by her call to serve others and a passion for uniting innovators and changemakers across the agbioscience value chain. As president and CEO of AgriNovus, she leads the team's efforts to grow the agbioscience economy while championing the organization's unique, differentiated innovation story. Previously, she served as Director of Global Food Systems at Corteva Agriscience, partnering with food and agriculture stakeholders to create a more resilient, customer-centric food system. Wright also held leadership roles on the company's global food chain crop protection and advocacy teams. She joined Dow AgroSciences, one of Corteva's preceding companies, and held roles in U.S. and global brand management, communications and public policy. Christy began her career in public affairs, working for advertising and communications firms Young and Laramore and Hetrick Communications. She graduated from Indiana University with a Bachelor of Science and a Master of Science in Public Affairs.



Ilya Yuffa is executive vice president of Eli Lilly and Company and president of Lilly USA and Global Customer Capabilities. Yuffa served most recently as executive vice president and president of Lilly International and previously as senior vice president of Lilly Bio-Medicines and vice president of U.S. Diabetes for Lilly USA. Since joining Lilly in 1996 as a financial analyst, he has held positions in finance, business development, sales and general management. He served as managing director of Lilly Israel and in senior roles in sales and within Six Sigma and ethics and compliance. In 2017, he was named president and general manager of Lilly's Italy Hub. He earned a Bachelor of Science degree from Tulane University and a Master of Business Administration degree from the London Business School. Yuffa is a board member of the Biotechnology Innovation Organization (BIO) and represents Lilly on the management committee of Business Equity for Indy.



Senator Todd Young of Indiana is a strong advocate of developing the life sciences in the Hoosier State. In 2022, the CHIPS and Science Act – his landmark legislation to outcompete China and create more high-tech jobs in the Heartland – became law. Vital to America's economic and national security, the law is bringing semiconductor production back to the United States to shore up our supply chain. Senator Young led a letter sent by all of Indiana's congressional delegation in support of the state's application to be named a Regional Technology and Innovation Hub (Tech Hub) known as Heartland BioWorks, which became reality in 2023 and led to approximately \$51 million in federal funding. Senator Young ran his first campaign for Congress in 2010. He served three terms in the House before running for Senate in 2016. He serves on the U.S. Senate Committees on Finance; Commerce, Science & Transportation; Small Business and Entrepreneurship; and Select Committee on Intelligence.

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