



## 2012 BIO World Congress Plenary Program and Speaker Biographies

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### "Fostering a Biobased Economy"

*Lunch Plenary Sponsored by BioAmber*

Date: Monday, April 30, 2012

Time: 12:00pm – 2:15pm

#### **Welcoming Remarks:**

**H. Thomas Watkins, President and Chief Executive Officer, Human Genome Sciences, Chairman of the Board, Biotechnology Industry Organization**

#### **Moderator:**



#### **James C. Greenwood, President and Chief Executive Officer, Biotechnology Industry Organization**

James C. Greenwood is President and CEO of the Biotechnology Industry Organization (BIO) in Washington, D.C., which represents more than 1,200 biotechnology companies, academic institutions, state biotechnology centers and related organizations across the United States and in more than 30 other nations. BIO members are involved in the research and development of innovative healthcare, agricultural, industrial and environmental biotechnology products. BIO also produces the annual BIO International Convention, the world's largest gathering of the biotechnology industry, along with industry-leading investor and partnering meetings held around the world. Since his appointment in January of 2005, he has markedly enhanced the trade association's capacity – increasing both its staff and budget by nearly fifty percent. BIO is

now a world class advocacy organization playing a leading role in shaping public policy on a variety of fronts critical to the success of the biotechnology industry at the state and national levels as well as internationally. Mr. Greenwood represented Pennsylvania's Eighth District in the U.S. House of Representatives from January 1993 through January 2005. A senior member of the Energy and Commerce Committee, he was widely viewed as a leader on health care and the environment. From 2001 to 2004, Mr. Greenwood served as Chairman of the Energy and Commerce Committee Subcommittee on Oversight and Investigation with oversight authority over issues in the full Committee's vast jurisdiction. He led hard-hitting investigations into corporate governance at Enron, Global Crossing and WorldCom; terrorist threats to our nation's infrastructure; and waste and fraud in federal government agencies. Prior to his election to Congress, Mr. Greenwood served six years in the Pennsylvania General Assembly (1981-86) and six years in the Pennsylvania Senate (1987-1992). Mr. Greenwood graduated from Dickinson College in 1973 with a BA in Sociology. From 1977 until 1980, he worked as a caseworker with abused and neglected children at the Bucks County Children and Youth Social Service Agency. Mr. Greenwood is married with three children and resides in Upper Makefield, Pennsylvania.

***Panelists:***



**Philip New, Chief Executive Officer, BP Biofuels**

Philip New has led BP's Biofuels business since its inception in 2006. BP is a leading player in the global biofuels market - undertaking biofuels blending, production, research and technology development – and aims to shape this emerging industry, by investing in capability and capacity growth, building strategic relationships and demonstrating leadership in sustainability. Since 2006, BP has announced investments of more than \$1.5 billion in biofuels business operations and research efforts to develop the technologies, feedstocks and processes required to produce advanced biofuels. Recently BP became the first international energy company to invest in the Brazilian sugarcane ethanol market, through its joint venture Tropical Bioenergia. It is also developing advanced biofuels, including lignocellulosic ethanol made from non-food feedstocks, and biobutanol – an advanced fuel molecule.

Since joining BP from Oxford University in 1983, Philip has worked across BP in roles in Europe and Asia. He played a central role in the creation of BP's lubricants business, including the acquisition of Burmah-Castrol in 2000 and the extraction of activities from Mobil in Europe, and went on to manage BP's business-to-business sales and marketing operations in Europe and North America.

Before moving to head up BP's Biofuels activities he led the team that laid down BP's core fuels product strategy and which developed and launched BP's highly successful premium fuel – BP Ultimate – in 15 countries around the world.

Philip lives in Oxford with his wife and three children.



**Valerie Sarisky-Reed, Acting Program Manager, Biomass Program, United States Department of Energy**

Valerie Reed is currently the Acting Program manager for the Office of Biomass Programs. She most recently held the position of Team Leader for Platforms Research and Development within the Office of Biomass Programs. Areas of responsibility include research and development for conversion technologies that include biochemical and thermochemical pathways to produce biofuels and bioproducts as well as algal biofuels R&D.

Valerie has lead efforts on utilization of biomass for fuels and chemicals for over 18 years, resulting in significant cost reductions in the cost of cellulosic ethanol from above \$7/gal to current projected cost of approximately \$2.15/gal. She has helped initiate research pathways that now include technologies that are projected to reduce the cost of diesel and jet fuel to <\$3/gal by 2017. Valerie has twice been named to Biofuels Digest's "Top 100 People in Bioenergy" for her roles to date.

Valerie holds a Ph. D. in Biochemistry from Georgetown University. In addition to her programmatic activities, Valerie is a founding member of the Metabolic Engineering Working Group which is an interagency effort to advance metabolic engineering technologies for industrial, agricultural and human needs and she co-chairs the Interagency Working Group on Conversion Technologies established through the Biomass R&D Board, to coordinate the Federal effort on Bioenergy.



### **Roger Wyse, Managing Director, Burrill & Company**

DR. ROGER WYSE is a Managing Director and General Partner at Burrill & Company a leading Life Sciences company with \$1 billion in venture capital under management, with businesses in merchant banking, private equity and media. Dr. Wyse joined Burrill in 1998 and has led the development of Burrill & Company's agriculture, health & wellness, and industrial biotechnology related activities in venture capital investing. In this endeavor he pioneered the "Virtual Corporate Venture" model and has attracted over 40 corporate investors into the various Burrill funds.

Dr Wyse chairs or serves on the boards of 11 private companies. He is Co-Chairman of the \$150M Malaysian Life Capital Fund and serves on the International Advisory Panel for Biotechnology (BioIAP) for the Prime Minister of Malaysia. He was founder and Chairman of the Alliance for Animal Genome Research. He serves on the Board of Industrial Section of BIO. Dr. Wyse is a sought after speaker on biotechnology applications and policy in food, agricultural and bio-cleantech

He has over 30 years of experience as an internationally recognized scientist and as a Dean at two major research universities; Rutgers and the University of Wisconsin-Madison. Immediately prior to joining Burrill & Company, Dr. Wyse served for 5 years as Dean of the College of Agricultural and Life Sciences at the University of Wisconsin-Madison. From 1986 - 1992 he served as Dean of Research at, Rutgers University.



**Andrew Hagan, Associate Director, Head of Chemicals Industry, Global Leadership Fellow, World Economic Forum**

Andrew Hagan is head of Chemicals Industries and The Global Agenda Council on Emerging technologies, and Director at the World Economic Forum. He had joined the World Economic Forum (with a management scholarship from the University of Cambridge) as a Global Leadership Fellow and has now graduated with the title Master in Global Leadership. Andrew did his Masters in Chemistry at Oxford University and his PhD in polymer chemistry and materials at Cambridge University. He then worked for the UK Ministry of Defence and the DERA/Qinetiq on materials. He did his MBA in Paris and Politics, law and Economics at Strasbourg. He worked at Air Liquide before consulting in Lithuania/Russia and latterly for Shell eventually managing the regions of the Netherlands and the East of France for Shell for one of their products. He has volunteered at Industry Associations before moving to the World Economic Forum. There as head of the Global Agenda Council on Emerging Technologies he has overseen the proposal for a Centre for Emerging Technology Intelligence. As head of the Chemicals Industry he has managed cross industry projects such as Sustainable Biofuels, Sustainable Buildings, Chemicals contributions to abating Greenhouse gases and runs a project on Collaborative Innovation involving Chief Innovation Officers from leading global companies. Under that umbrella he has run the project on the Future of fully integrated fully flexible Industrial Bio-refineries. A White Paper has been published in June 2010 and is being pursued at a regional level in Brazil, China, Europe, India and the USA. That in China has even led to the formalisation of a platform on Biorefineries, Biotechnology and Bio-energy. He also moderated the first and second World Councils on Industrial Biotechnology, and is now working on "Energy Harnessing". He has been a member of Chatham House (Royal Institute of International Affairs) and a member of the Royal Society of Chemistry for over 10 years and a "Global Scot", advises senior executive politicians and is a Chartered Chemist and Chartered Scientist.



**Kathleen A. Merrigan, Deputy Secretary of the United States Department of Agriculture**

Kathleen A. Merrigan is the Deputy Secretary of the U.S. Department of Agriculture. Working alongside Secretary Tom Vilsack, Merrigan oversees the day-to-day operation of USDA's many

programs and spearheads the \$149 billion USDA budget process. She serves on the President's Management Council, working with other Cabinet Deputies to improve accountability and performance across the federal government.

Merrigan brings a wealth of knowledge to USDA from a decades-long career in policy, legislation, and research related to the many missions of USDA. Deputy Secretary Merrigan has managed the Know Your Farmer, Know Your Food effort to highlight the critical connection between farmers and consumers and support local and regional food systems that increase economic opportunity in Rural America.

In November 2009, she made history as the first woman to chair the Ministerial Conference of the Food and Agriculture Organization (FAO) of the United Nations. Recognizing that most employees work outside of Washington, D.C., Merrigan has visited USDA field offices nationwide to ensure top-flight program delivery that meets constituents' needs.

Recognizing the history and scope of her work, Time magazine named Dr. Merrigan among the "100 Most Influential People in the World" in 2010.

Before becoming Deputy Secretary, Merrigan served for eight years as Assistant Professor and Director of the Agriculture, Food and Environment graduate program at the Friedman School of Nutrition Science and Policy at Tufts University, Boston, Massachusetts.

Under an appointment by President Bill Clinton, Merrigan was Administrator of the USDA Agricultural Marketing Service from 1999 to 2001. She served for six years as a senior staff member of the U.S. Senate Committee on Agriculture, Nutrition and Forestry, working for Senator Patrick Leahy (VT).

Merrigan has also been engaged in agricultural policy in positions at the FAO, the Henry A. Wallace Institute for Alternative Agriculture, the Texas Department of Agriculture, and the Massachusetts State Senate.

Merrigan holds a Ph.D. degree in environmental planning and policy from the Massachusetts Institute of Technology, a Master of Public Affairs degree from the University of Texas, and a B.A. degree from Williams College. She and her husband Michael Selmi have two children in elementary school.

## **“A Global Vision for Biomass Utilization: How Biotech Can Get Us There”**

*General Plenary Sponsored by Genomatica*

Date: Monday, April 30, 2012

Time: 4:30pm – 6:00 pm

**Moderator:**

**David Bransby**, Professor, Department of Agronomy and Soils, Auburn University

**Panelists:**



**Jennifer Holmgren, Chief Executive Officer, LanzaTech**

Dr. Jennifer Holmgren is the Chief Executive Officer of LanzaTech. Jennifer has over 20 years of experience in the energy sector including a proven track record in the development and commercialization of fuels and chemicals technologies. Prior to joining LanzaTech, she was Vice President and General Manager of the Renewable Energy and Chemicals business unit at UOP LLC, a Honeywell Company. In that role, she led UOP's renewable business from its inception through to the achievement of significant revenues from the commercialization of multiple novel biofuels technologies.

Dr. Jennifer Holmgren holds a B.Sc. degree from Harvey Mudd College, a Ph.D. from the University of Illinois at Urbana-Champaign and an MBA from the University of Chicago. She currently serves on multiple external advisory boards. She is the author or co-author of 50 US patents, 20 scientific publications and is the 2003 recipient of the Council for Chemical Research's (CCR) Malcolm E. Pruitt Award.



**Mark Niederschulte, Chief Operating Officers, INEOS Bio**

Mark Niederschulte was appointed Chief Operating Officer for INEOS Bio upon its formation in July 2008. He was responsible for establishing the company and is overseeing commercialization of the bio-ethanol technology. Previously Mark was

Commercial Vice President of INEOS Technologies, a leading supplier of process technology, catalysts and additives to the Chemical Industry. Prior to INEOS Mark enjoyed an 18 year career with BP and Amoco, most recently as Vice President – Technology Licensing and Catalyst. In his career Mark gained international experience in general management, sales and marketing, strategy development, capital project management, manufacturing and research and development. Mark holds a Ph.D. and M.S. in Chemical Engineering from the University of Illinois – Champaign and a B.S. in Chemical Engineering from the University of Missouri - Columbia.

**Vincent Schachter**, Vice President, Research & Development, Total Oil & Gas



**Dato' Dr. Mohd. Nazlee Kamal,**

**Chief Executive Officer of Malaysian Biotechnology Corporation (BiotechCorp)**

Nazlee was appointed as the Chief Executive Officer of the Malaysian Biotechnology Corporation (BiotechCorp) in July 2011. With 25 years of diverse industry background in biotechnology including 10 years of executive management experience, Nazlee brings in strong acumen in both the technical and business aspects of biotechnology. Recognised for his wide industrial leadership, Nazlee has played a pivotal role in the formulation of Malaysia's National Biotechnology Policy.

He currently sits as a Board Director of BiotechCorp, and as the Chairman of Bio-XCell Sdn Bhd, a custom-built biotechnology park and ecosystem in Iskandar Malaysia for industrial and healthcare biotechnology, with a focus on manufacturing and R&D.

Nazlee is also one of the Advisory Panel members for Northern Corridor Implementation Authority (NCIA) for Plant Science and Tissue Culture Node (PSTCN). This is a subsector in the development of a Centre of Excellence for Agriculture Biotechnology under North Corridor Economic Region (NCER) Biotech Initiatives.



Prior to his appointment with BiotechCorp, Nazlee was one of the founders and the CEO of Inno Biologics Sdn Bhd, a contract manufacturing organisation for biopharmaceuticals, from 2002 to 2011. He was also the Group Managing Director of Inno Bio Ventures Sdn Bhd, the holding company of Inno Bio Group of Companies.

Prior to Inno Bio Group of Companies, Nazlee has a wealth of experience encompassing marketing and technical portfolio with multinational companies such as Amersham Biosciences, Sartorius (M) and BBraun Malaysia.

From 2000-2001, he was the Asean Business Area Manager (Separation) for Amersham Biosciences, leading the sales and marketing effort for Separations product range in ASEAN. He was also responsible for technical issues surrounding the protein separation and purification for laboratory and manufacturing scale. Among his contribution was the product trial at Kirin Pharmaceutical, Japan for second generation Erythropoietin production. Previous to that, he was the Business Development Manager at Sartorius in 2001. He was a Sales Manager at B. Braun Malaysia from 1997 – 2000.

Nazlee started his professional career as a lecturer at the University of Technology Malaysia where he served ten years of tenure from 1986-1996. He was responsible for the development of Bioprocess Engineering programme at the University. During his tenure, one of his significant achievements was his invention of the “External Spinfilter” now marketed by Sartorius BBI Systems (Patent No. PI9701436MY-131798-A).

His qualifications include a PhD. in Chemical Engineering (Bioprocess) from University of Queensland, Brisbane, Australia, Masters of Applied Science in Biotechnology with 8 Distinctions from University of New South Wales, Australia and B.Sc. in Chemical Engineering with High Scholarship at the Oregon State University, USA.

He is a member of several professional societies, among them are International Society of Pharmaceutical Engineering, Malaysian Biotechnology and Molecular Biology Society and Institution of Chemical Engineers.

Nazlee has written numerous papers for journals and is called on frequently to speak on a wide range of topics at conferences nationally and internationally.



**Gord Surgeoner, President, Ontario Agri-Food Technologies**

Dedicated leader is perhaps the best way to describe Gord Surgeoner. During his 30-year career, he has worked tirelessly to promote initiatives and champion causes that he believes are important to the well-being of the agri-food industry.

After completing his Bachelor of Science in Agriculture in 1971 at the University of Guelph, Dr. Surgeoner went on to obtain a Master's degree in Economic Entomology in 1973, also from Guelph and a Ph.D. in Forest Entomology in 1976 from Michigan State University. Gord became an esteemed professor at the University of Guelph in Environmental Biology and Plant Agriculture, where he remained on faculty until his retirement in 2004.

Since his secondment from the University of Guelph in 1999, Gord has been the President of Ontario Agri-Food Technologies, a non-profit organization consisting of members from farm associations, universities, industry and governments. The organization focuses on ensuring that Ontario producers have access to the latest technologies to compete globally and to develop new market opportunities, many of which are beyond food.

In September, 2005 Dr. Surgeoner was invested with the Order of Ontario. This distinguished award recognizes Dr. Surgeoner's significant contribution to Ontario's agri-food sector.

In addition, Gord has also received the 2011 Life Sciences Ontario Community Service Award, the 2007 University of Guelph Alumnus of Honour Award, the 1989 Distinguished Teaching Award from the Ontario Agricultural College Alumni Association, the 1994 T.R. Hilliard Award for Notable Contribution to Agricultural Extension in the Province of Ontario, an endowed Chair of the University of Guelph bearing his name, the 2002 Award for Contribution to Advancing the Benefits of Biotech for Canadians, and is a recipient of the Queen's Golden Jubilee Award.

Gord is a strong advocate for Canadian agriculture, the Canadian regulatory system and the opportunities Canada has in a global marketplace.

## **“The Future of Biocatalysis in Global Manufacturing & George Washington Carver Award Presentation”**

*Lunch Plenary Sponsored by Verenum*

Date: Tuesday, May 1, 2012

Time: 12:00pm – 2:15pm

### **Moderator:**

**Brent Erickson**, Executive Vice President, Industrial and Environmental Section, Biotechnology Industry Organization

### **Panelists:**

**James C. Collins**, President, Dupont Industrial Biosciences



### **Steen Riisgaard, President and Chief Executive Officer, Novozymes**

Steen Riisgaard is President and CEO of Novozymes A/S, a position he has held since Novozymes A/S was demerged from Novo Nordisk A/S in 2000.

Holding an MSc in Microbiology from the University of Copenhagen, Mr Riisgaard joined Novo Nordisk in 1979 in Enzymes Research & Development.

In 1982 he moved to Tokyo to start up an enzymes research & development unit in the Novo Nordisk subsidiary Novo Industri Japan Ltd. After his return to Denmark in 1985, he held a range of jobs in the company before he was promoted to Corporate Executive Vice President with special responsibility for Enzyme Business in 1989. Today, Mr Riisgaard draws on 30 years' experience of working in the field of enzymes.

Prior to joining Novo Nordisk, he was a research fellow at the Serum Institute of Denmark and a research microbiologist at Foss Electric, Denmark.

As President and CEO, Mr Riisgaard takes pride in working for Novozymes, which is the world leader in bio innovation. Together with customers across a broad array of industries Novozymes creates tomorrow's industrial bio solutions, improving its customers' business and the use of our planet's resources.

Mr Riisgaard is also Chairman of WWF (the World Wildlife Fund), Denmark, Vice Chairman of the boards of Egmont International Holding A/S and Rockwool International A/S, and serves on the board of CAT Science Park A/S and ALK.

**Alan Shaw**, Alan Shaw Consulting

### ***“Promoting Biotech Innovation”***

*General Plenary Sponsored by IAR-The French Biobased Products Cluster*

Date: Tuesday, May 1, 2012

Time: 4:30pm – 6:00pm

**Moderator: Rina Singh**, Senior Director, Policy, Industrial and Environmental Section, Biotechnology Industry Organization

**Panelists:**



**Paul Bryan, Consultant**

Paul Bryan is currently working as an Independent Consultant in the fields of Biofuels, Bio-Based Products, and Renewable Energy. From 2010 – 2011, he served as Program Manager for Biomass at the U.S. Department of Energy. Prior to that, he worked for 15 years for Chevron in California and Western Australia, the last 4 of which as Vice President – Biofuels Technology. Earlier positions included stints with Union Carbide and academic positions at MIT and the Colorado School of Mines. Paul's educational background is in Chemical Engineering, with a B.S. from Penn State, a Ph.D. from UC-Berkeley, and a post-doctoral assignment at the Ecole des Mines in Paris.

**Yvon Le Henaff**, General Director of ARD and BRI (*invited*)

**Jean-Francois Rous**, President of PIVERT

**Jill Zullo**, Technical Director, Cargill (*invited*)

## “Financing Innovation in the Industrial Biotech Space: Creative Models and Future Trends”

*Breakfast Plenary Sponsored by DuPont*

Date: Wednesday, May 2, 2012

Time: 8:00am – 10:00am

### **Moderator:**

**Wes Bolsen**, Chief Marketing Officer, Codexis

### **Panelists:**



### **Noubar Afeyan, Managing Partner and CEO, Flagship Ventures**

Noubar Afeyan is founder, Managing Partner and CEO of Flagship Ventures, a leading early stage venture capital firm. He also leads the firm's VentureLabs unit that invents and launches transformative startups. He is a Senior Lecturer at MIT's Sloan School of Management where he has taught courses on technology entrepreneurship, innovation, and leadership since 2000. Dr. Afeyan has authored numerous scientific publications and patents since earning his Ph.D. in Biochemical Engineering from MIT in 1987. He lectures widely in the United States and internationally on diverse topics ranging from entrepreneurship, innovation and venture capital to biological engineering, drug discovery, medical technologies and renewable energy.

During his 24-year career as inventor, entrepreneur, CEO and venture capitalist, Dr. Afeyan has co-founded and helped build 24 successful life science and technology startups. He was founder and CEO of PerSeptive Biosystems, a leader in the bio-instrumentation field that grew to over \$100M in annual sales within six years from its first sales. After PerSeptive's acquisition by Perkin Elmer/Applera Corporation in 1998, he was Senior Vice President and Chief Business Officer of Applera, where he initiated and oversaw the creation of Celera Genomics.

Currently Dr. Afeyan serves on a number of public and private company boards including Affinova, BIND Biosciences, BG Medicine, Breathable Foods, Eleven Biotherapeutics, Essentient, Joule Unlimited, LS9 and Moderna Therapeutics. Previously, he was a member of the founding team, director and investor in several highly successful ventures including Chemgenics Pharmaceuticals (acquired by Millennium Pharmaceuticals), Color Kinetics (acquired by Philips), and Adnexus Therapeutics (acquired by Bristol-Myers Squibb).

Dr. Afeyan is a member of several advisory boards including the Yale Climate & Energy Initiative and the SKOLKOVO School of Management in Moscow. He is also a member of the

Board of Overseers of the Boston Symphony Orchestra. In addition, he is co-founder and board member of the National Competitiveness Foundation of Armenia, a private-public partnership to promote economic development in the former Soviet Republic of Armenia, and he serves on the board of AmeriaBank, a leading bank in Armenia. In 2008 he received the Ellis Island Medal of Honor, an award granted to outstanding Americans who have distinguished themselves as United States citizens and who have enabled their ancestry groups to maintain their identities while becoming integral parts of American life. Dr. Afeyan also received a Technology Pioneer 2012 award from the World Economic Forum in recognition of the breakthrough solar fuel technology being developed at Joule Unlimited.



**Tom Erickson, Co-President and Director, First Green Partners**

Tom has spent the past 20 years working with venture-backed start-ups as a venture capitalist and research analyst at BlueStream Ventures, Dain Rauscher Wessels, and its predecessor, Wessels, Arnold & Henderson.

In 2000, as co-founder and general partner of BlueStream Ventures, Tom helped raise \$280 million in committed capital from institutional and individual investors. The fund focused on investments in the communications, enterprise and infrastructure software, storage, and wireless markets. Tom led investments in or served on the boards of Akorri (acquired by NetApp), Meru (NASDAQ: MERU), Pirus (acquired by Sun Microsystems), and Semrock (acquired by IDEX Corporation).

Prior to BlueStream, Tom was a leading analyst in the network technology space. From 1998 to 2000, he was a managing director at Dain Rauscher Wessels and head of its technology research group. He held a similar role at Wessels, Arnold & Henderson from 1990 to 1998 and served as director of research at both firms. While at Wessels, he helped lead financings with market-leading companies including: Chipcom (acquired by 3Com), Ciena (NYSE: CIEN), E-Tek Dynamics (acquired by JDS Uniphase), Extreme Networks (NASDAQ: EXTR), GeoTel (acquired by Cisco), Juniper (NYSE: JNPR), Redback Networks (acquired by Ericsson), and Sycamore Networks (NASDAQ: SCMR). Institutional Investor magazine recognized Tom as a leading networking research analyst in its “Best of the Boutiques” survey from 1994 to 1998. Prior to his sell-side career, Tom was senior investment analyst at Allstate Insurance, a financial analyst with Dayton Hudson, and a systems engineer at Burroughs Corporation.

Tom also serves as a director on the board of the American College of Medical Genetics Foundation, is on the board of trustees of the Courage Center Foundation, and is a member of the board of governors of Opportunity International.

Tom holds a bachelor of arts in mathematics with a concentration in computer science from St. Olaf College and an MBA from the Kellogg School of Management at Northwestern University. He is also a Certified Financial Analyst.



**James Levine, President and Chief Executive Officer, Verenium**

James Levine became President and Chief Executive Officer in April 2011. He joined Verenium in April 2009 as Executive Vice President and Chief Financial Officer. Prior to joining Verenium, Mr. Levine held various positions with the global investment banking and securities firm, Goldman Sachs & Co., where he most recently served as a Managing Director in the Power and Utilities Group in New York. Before that he served as a Managing Director in the Goldman Sachs Energy Group in London which included responsibility for covering the integrated oil and gas and the refining and marketing sectors. In both of these positions Mr. Levine advised both corporate clients and private equity firms on valuing, acquiring and financing commodity-exposed businesses.

Prior to Goldman Sachs, Mr. Levine held positions with Lehman Brothers, Inc. in New York, and Industrial Economics, Inc. in Cambridge, Massachusetts. Mr. Levine received an M.B.A. degree with a concentration in Finance from the Wharton School of the University of Pennsylvania and a B.A. in Economics from Brandeis University in Waltham, Massachusetts.

**Harry Baumes**, Director, Office of Energy Policy and New Uses, United States Department of Agriculture





**Mark J. Riedy, Member, Corporate & Securities, Energy & Clean Technology,  
Mintz Levin**

Mark is a Member in Mintz Levin's Washington, D.C. office, in the firm's Corporate & Securities Practice. He is also a member of the firm's Energy & Clean Technology Practice, which serves more than 300 clients. Since 2006, the practice group has completed more than 250 transactions in this sector totaling over \$3.5 billion. The Energy & Clean Technology Practice has been ranked #2 nationally among top Clean Technology law firms, according to Watershed Capital Group, and in 2011 the practice was listed as a "Best Law Firm" by U.S. News & World Report, both in Boston and nationally. Mark focuses on the representation of renewable and conventional energy, clean technology, communications, infrastructure, environmental, and investment fund clients. He recently was named one of the Top 100 Bioenergy Leaders in the world by Biofuels Digest.

In his more than 35 years of practice, Mark has represented clients in domestic and international matters, including energy and infrastructure, project development and debt and equity financing contracts, mergers and acquisitions, technology outsourcing, investment fund structuring, venture capital structuring, and regulatory and legislative issues. He also has represented clients in international disputes before U.S. and foreign agencies, dealing with matters such as anti-dumping, export controls, sanctions, and anti-bribery. Before joining Mintz Levin, Mark was a partner at another prominent national law firm, where he led practice groups focusing on renewable energy, climate and India/South Asia.

Mark has counseled renewable and conventional energy and infrastructure clients doing business in 50 countries including Argentina, Bangladesh, Brazil, Chile, China, Costa Rica, Cote d'Ivoire, the Czech Republic, Dominican Republic, Egypt, El Salvador, Haiti, India, Indonesia, Iraq, Israel, Jamaica, Kazakhstan, Malaysia, Mauritius Islands, Mexico, Nepal, Nigeria, Oman, Pakistan, Panama, Philippines, Poland, Russia, South Korea, Sri Lanka, Taiwan, Thailand, Turkey, the United Arab Emirates, and Venezuela.

Mark is a founder and general counsel of the American Council On Renewable Energy (ACORE), the largest domestic and international association of renewable energy and clean tech businesses. Mark has also served as general counsel and a longtime board member (currently board member emeritus) for the US-India Business Council, the largest U.S.-India business association. He is the general counsel of several additional major energy and international trade associations. Mark is Vice Chairman of the American Bar Association's Project Finance Committee.

Mark is admitted to practice in the District of Columbia, and before the D.C. Court of Appeals; the U.S. Court of Appeals, D.C. Circuit; U.S. District Court, District of Columbia; U.S. Court of Appeals, Federal Circuit; the U.S. Court of International Trade; the U.S. Court of Claims; and the U.S. Tax Court. He received his B.A., summa cum laude and Phi Beta Kappa, from the University of Michigan (1975) and his J.D. from the Georgetown University Law Center (1979).

## **“What’s Driving Demand for Biotech Products: A Customer’s Perspective”**

*Lunch Plenary Sponsored by Novozymes*

Date: Wednesday, May 2, 2012

Time: 12:00pm – 2:15pm

### **Moderator:**

**Melody Bomgardner**, Senior Business Editor, Chemical & Engineering News

### **Panelists :**



**David A. Benko, PhD, Director, Materials Research & Development, Goodyear Tire**  
Dr Benko is an R&D Fellow at the Goodyear Innovation Center in Akron. He received his BS in Chemistry from Union College and his PhD in Chemistry from The University

of Delaware. He has a 34 year career with Goodyear in which he has developed an expertise in tire materials including elastomers and elastomeric composites. His experience includes managing R&D programs to support the development of new materials for tires, directing Goodyear's global R&D activities for material development, compound development and polymer R & D and serving as a senior member of Goodyear's technical staff.



**Scott Vitters**

**Scott Vitters, Sustainable Packaging Director, The Coca Cola Company**

Scott Vitters has worked to advance The Coca-Cola Company's commitment to environmental excellence for the past 10 years. He currently is responsible for governing the Company's Global Sustainable Packaging Platform and ensuring its execution in North America. Prior to joining Coca-Cola, Scott served as a consultant to EPA's Office of Solid Waste. He also served as a research fellow with the Environmental and Energy Study Conference, a congressional legislative caucus.

Scott is on the Board of the National Recycling Coalition and serves as the Chair of the Beverage Packaging Environment Council. He is also on the Board of the Piedmont Park Conservancy in his hometown of Atlanta, GA.

**Rainer Cina**, Products Purchase Manager, Procter & Gamble (invited)



**Robert Sturtz, Managing Director, Strategic Sourcing, United Airlines**

Bob holds a degree in Engineering and an MBA. He has been with United Airlines for 35 years. Bob has been responsible for the purchase and distribution of over \$12 billion of jet fuel. In 1986 Bob founded United Aviation Fuels Corp., a wholly owned jet fuel trading company that sold term jet fuel supply contracts to 35 other airlines, transported jet fuel, traded, and imported jet fuel to the U.S. Bob founded airline consortia and corporations that maintain and operate airport fuel distribution systems at LAX, SFO, and IAD. He also was responsible for the construction of the on-airport fuel systems built at HNL, ORD, and DEN. Bob has served as Vice-Chairman and Chairman of the IATA Fuel Trade Group and is currently serving as Chairman of the Airlines for America Energy Council. Bob has been involved in developing aviation bio-fuels for the last 3 years and is currently the business and commercial working group lead at CAAFI. Bob also serves as Chairman of Fueling California, a California non-profit organization that provides a united voice for responsible major energy consumers, on public policies that impact the cost, supply, content, and availability of essential fuels and promotes the development and use of alternative fuels.