

Dairy *for* Global Nutrition



Dairy Nutrition: An Engine for Economic Growth

Boise Centre – Boise, Idaho

May 10 – 11, 2017



boise | centre

Dairy for Global Nutrition

Dairy for Global Nutrition is a U.S. Dairy Export Council (USDEC) initiative designed to advance the science of dairy and document its benefits for the world's most vulnerable populations. We believe scientifically valid information on the efficacy of dairy ingredients can help decision-makers optimize their scarce resources and bring greater health results to key vulnerable populations.

Today, USDEC's Dairy for Global Nutrition initiative provides funding for independent field trials that test dosage, timing, and duration of interventions; ingredients for product prototypes; and scientific and market information on dairy ingredients.

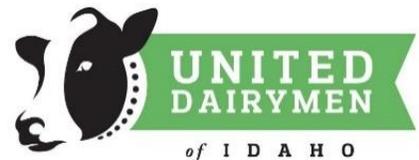
U.S. Dairy Export Council



The U.S. Dairy Export Council (USDEC) is a non-profit, independent membership organization that represents the export trade interests of U.S. milk producers, proprietary processors, dairy cooperatives, and export traders. The Council was founded in 1995 by Dairy Management Inc. (DMI), the farmer-funded marketing, promotion and research organization, to build global demand for U.S. dairy products and assist the industry in increasing the volume and value of exports.

USDEC is funded primarily by the dairy promotion check-off program. It also receives export activity support from the U.S. Department of Agriculture's Foreign Agriculture Service (FAS). Membership dues fund the trade policy and lobbying activities of the Council.

United Dairymen of Idaho



The United Dairymen of Idaho (UDI) was established in 1980, with the mission to provide Idaho's dairy farm families with resources to support a prosperous Idaho dairy industry. Through coordinated marketing and communications programs, nutrition counseling and research programs, UDI supports the image of dairy farming, and encourages global demand for Idaho-produced dairy products. UDI accomplishes this mission through its three member organizations: Idaho Dairy Council, Idaho Dairy Products Commission and the Idaho Dairymen's Association.

Schedule

Wednesday, May 10, 2017

8:15 am **Grab n' Go Breakfast** (Farm tour participants grab breakfast and eat on bus)

Session 1 – From the Farm to the Table

8:30 am **Depart for dairy farm tour** (meet in Grove Hotel Lobby)

9:00 am **Dairy farm tour – Sunridge Dairy** (optional)

12:00 pm **Lunch**
Boise Centre East; Room 400 A&B

12:30 pm – 1:30 pm **A Focus on Moderate Malnutrition**
Keynote Speaker: Ambassador Ertharin Cousin, Former Executive Director of World Food Programme, and 2017-2018 Payne Distinguished Lecturer Stanford Spogli Institute for International Studies

2:00 pm – 5:00 pm **Dairy 101** (Boise Centre East, Room 400 A&B)
Eric Bastian, Ph.D., United Dairymen of Idaho

5:45 pm **Depart for Dinner** (meet in Grove Hotel Lobby)

6:00 pm – 8:30 pm **Dinner**
Boise State University – Stueckle Sky Center, Albertsons Stadium

Thursday, May 11, 2017

7:00 am – 8:30 am **Buffet Breakfast** (Boise Centre East, Room 400 A&B)

8:30 am **Opening Remarks and Introduction**
Karianne Fallow, CEO, United Dairymen of Idaho

8:45 am **Dairy Nutrition: An Engine for Economic Growth**
Keynote Speaker: Christie Vilsack, former Senior Advisor for International Education, USAID; Current Senior Advisor to CSU's Chancellor for educational access and the Presidential Visiting Scholar of Educational Access

9:20 am **Break**

Session 2 – Setting the Stage: What Makes Dairy Work?

Session Chair & Moderator: Dominic Schofield, President of GAIN Canada and Senior Technical Advisor for Policy and Programs at the Global Alliance for Improved Nutrition (GAIN)

9:30 am - 10:00 am **Maximizing Recovery Rates and Growth with Dairy-containing Supplements**
Heather Stobaugh, Ph.D., Tufts University, Boston MA

10:00 am – 10:30 am **Latest from the Field: Higher Dairy Content Results in Improved Physical Outcome**
Nina Schlossman, Ph.D., Global Food & Nutrition, Washington D.C.

Schedule

10:30 am – 11:00 am	Protein Quality Matters! Practical Tools to Optimize Supplemental and Therapeutic Formulas Mark Manary, M.D., and Meghan Callaghan-Gillespie, Washington University School of Medicine in St. Louis
11:00 am – 11:30 am	Linear Programming: A Useful Tool for Food Aid Meghan Callaghan-Gillespie and Melody Mui, Washington University School of Medicine in St. Louis
11:30 am – 12:00 pm	The Growth Components of Milk Kim F. Michaelsen, Ph.D., University of Copenhagen
12:00 pm – 12:15 pm	Panel Discussion
12:15 pm	Lunch

Session 3 – The First 1,000 Days: Treating Mum Too

Session Chair & Moderator: Mary Hennigan, Senior Technical Advisor, Nutrition, Catholic Relief Services

12:50 pm – 1:30 pm	The First 1,000 Days: A Crucial Time for Mothers and Children—And the World Keynote Speaker: Roger Thurow, Senior Fellow, Global Food and Agriculture; The Chicago Council on Global Affairs
1:30 pm	Hot from the Press: Prenatal Supplements and their Role in Reducing Stunting David Clark, Ph.D., Bovina Mountain Consulting
2:00 pm	From the Field: Improving Fetal Growth in Vulnerable Populations Seth Adu-Afarwuah, Ph.D., University of Ghana
2:30 pm	Addressing the Double Burden of Malnutrition Bharati Kulkarni, Ph.D., National Institute of Nutrition, India
3:00 pm – 3:15 pm	Panel Discussion

Session 4 – Experience from the Field: Vietnam Case Study

Session Chair & Moderator: Phuong Dang, USDEC, Vietnam

3:30 pm	Panel Discussion Nguyen Minh, Ph.D., CEO, Nutricare, Vietnam; Tran Thi Le, CEO, Nutifood Vietnam
3:50 pm	Economic Growth: Insights from the International Finance Corporation Gene Moses, International Finance Corporation
4:20 pm	Call to Action Doug DiRienzo, Ph.D., Quadrant Nutrition
4:40 pm – 5:00 pm	Closing Remarks Karianne Fallow, United Dairywomen of Idaho
5:30 pm	Depart for Dinner (meet in Grove Hotel Lobby) JUMP Rentals & Events



Seth Adu-Afarwuah -

Dr. Seth Adu-Afarwuah is a Senior Lecturer at the Department of Nutrition and Food Science, University of Ghana, Legon, Accra, Ghana. He obtained his PhD and Post-Doctoral training in International Nutrition from the University of California in Davis, California. Before joining the University of Ghana, Dr. Adu-Afarwuah worked with the United Nations Children's Fund. Dr. Adu-Afarwuah's research is in the area of maternal and infant nutrition, with a focus on the prevention and treatment of malnutrition. Since 2009, he has been is a member of the International Lipid-based Nutrient Supplements (iLiNS) Team which developed the small-quantity lipid-based nutrient supplements (SQ-LNSs) for improving the nutrient intakes of women and children in low-income settings. Dr. Adu-Afarwuah has contributed to many publications on the impact of pre- and post-natal SQ-LNSs supplementation on fetal and child growth.

- Meghan Callaghan-Gillespie

Meghan works as a clinical research implementation coordinator under principal investigator Dr. Mark Manary in the pediatric patient oriented research unit at Washington University School of Medicine in St. Louis. She received an M.S. in social work and public health from Washington University. Her research involves prevention and primary treatment of severe and moderately acute malnutrition in children and pregnant women. She works with Dr. Manary on the design, conduct, data analysis, and reporting of research and is responsible for assisting with the start-up and implementation of research projects in the US and abroad; including current and upcoming research in Malawi, Ghana, and Sierra Leone. She has worked on creating an excel-based calculator that can help determine the Protein Digestibility Corrected Amino Acid Score (PDCAAS) and the Digestible Indispensable Amino Acid Score (DIAAS) of food aid products. Additionally, she works closely with the WashU food science team on the design and development of nutrient and cost optimized alternative food aid products using a linear programming tool.



David Clark -

David Clark has a B.Sc. in Biochemistry and received his Ph.D. on studies on microtubule proteins at the National Institute for Medical Research in London in 1981. During his academic career in medical and food research, Dr. Clark published more than 100 peer reviewed scientific publications and was awarded the U.K. Royal Society of Chemistry Junior Medal.

In 1996, Dr. Clark joined DMV International, the dairy ingredients division of Campina, a Dutch dairy cooperative in The Netherlands. In 2001, he became the R&D/QA Director, and was responsible for all R&D and QA/QC activities in Campina's ingredients group. At the end of 2006, he became the President and CEO of DMV International Nutritionals, based in Delhi in New York State, USA. In this position, he held global responsibility for the development, production and commercial activities for ingredients including protein hydrolysates, lactoferrin and colostrum. Following the merger with Friesland Foods Domo, Dr. Clark was appointed Director Region Americas for Friesland Campina Domo, which was then the 4th largest dairy company in the world.

In September 2010, Dr. Clark left Friesland Campina and founded an independent consultancy company, Bovina Mountain Consulting LLC. His consultancy specializes in the Infant Nutrition, Medical Nutrition, Food Aid and Dietary Supplement fields. Currently, Dr. Clark is engaged in projects providing regulatory, new product development and market research support to an assortment of clients in Europe and the U.S., including the U.S. Dairy Export Council.



Ertharin Cousin -

Ertharin Cousin, the Frank E. and Arthur W. Payne Distinguished Lecturer at Stanford University's Freeman Spogli Institute for International Studies (FSI) and a contemporaneous Visiting Fellow at FSI's Center on Food Security and the Environment (FSE) was chosen as the Payne Distinguished Lecturer for her international reputation as a leader, with an emphasis on visionary thinking, practical problem solving, and the capacity to articulate clearly an important perspective on the global political and social situation.

Cousin also serves the Chicago Council on Global Affairs as a Senior Global Advisor. Cousin possesses more than thirty years of national and international non-profit, government, and corporate leadership experience focusing on food, hunger, humanitarian operations, political organizing, community development and resilience strategies.

From 2009 until 2017 Cousin led the United Nations World Food Programme (WFP) as the twelfth Executive Director (ED). As WFP ED Cousin guided the world's largest humanitarian organization with 14,000 staff serving 80 million beneficiaries in 75 countries meeting urgent food needs; while, championing and serving as a global advocate for longer-term solutions to food insecurity and hunger. Cousin's passionate support for a Zero Hunger World helped deliver a donor funding increase from 3.8 billion dollars in 2012 to 5.86 billion dollars in 2016. Cousin maintains relationships with Global government, business and community leaders. She has published numerous articles regarding agriculture, food security and nutrition.

In 2009, Cousin was nominated by the President and confirmed by the Senate as the U.S. Ambassador to the UN Agencies for Food and Agriculture in Rome. In this role Cousin served as the U.S. Representative for all food, agriculture and nutrition related issues. Cousin regularly represented U.S. interest in global leader discussions, including for example Prime Ministers, Foreign and Agriculture Ministers, academics and business executives, regarding humanitarian and development activities. Cousin helped identify and catalyze US government investment in food security and nutrition activities supported by the USAID Feed the Future program. Cousin convened foreign media tours resulting in millions of conventional as well social media impressions, highlighting U.S. program investments delivering results for otherwise vulnerable, hungry people.

Prior to her global hunger work, Cousin helped lead the U.S. domestic fight to end hunger while serving as Executive Vice President and Chief Operating Officer of America's Second Harvest-now Feeding America. In this role Cousin led the operations, budgeting and expenditures as well as the human resources, IT and training activities of this national confederation of 200 foodbanks across America serving over 50,000,000 meals per year. In this role, Cousin mobilized an unprecedented fundraising, volunteer mobilization and media campaign in support of the organization's successful Hurricane Katrina operational response.

Previously, Cousin served as Senior Vice President for Albertson's Foods. As a Corporate reporting officer, Cousin served as the Albertson lead for community relations, customer relations, legislative and regulatory affairs, industry and external relations including communications serving as the Company's chief spokesperson. While serving at Albertson she was appointed by the U.S. President to the Board for International Food and Agricultural Development where she helped oversee U.S. government agriculture research investments worldwide. Before Albertsons, Cousin also served in government as the White House Liaison to the State Department. She received the Department's Meritorious Service award for her work expeditiously and successfully addressing foreign policy issues which arose when the U.S. hosted the Atlanta Olympics.

A Chicago native, Cousin is a graduate of the University of Illinois at Chicago; the University of Georgia Law School and the University of Chicago Executive Management Finance for Non-Financial Executives program. Cousin has received Honorary Doctorate degrees from Universities around the globe. She has been listed numerous times on the Forbes 100 Most Powerful Women List, as the Fortune Most Powerful Woman in Food and Drink, on Time's 100 Most Influential People list, and as one of the 500 Most Powerful People on the Planet by Foreign Policy magazine.



Doug DiRienzo -

Doug DiRienzo is President, Quadrant Nutrition, LLC, a consulting firm that helps clients develop and deliver action-oriented science. Prior to forming Quadrant Nutrition, Dr. DiRienzo was Senior Vice President of Planning, Partnering and Regulatory at Dairy Management Inc./National Dairy Council® (DMI/NDC). Dr. DiRienzo also managed the nutrition research program for 20+ years at DMI/NDC. He has extensive experience in research program development, management and application, regulatory affairs, scientific outreach and development of strategic partnerships on a global basis.

Dr. DiRienzo has authored or co-authored 28 scientific journal publications, has presented at numerous scientific and industry meetings and is a co-recipient of a patent. He is currently an active member of the American Society for Nutrition and has held leadership roles numerous scientific organizations.

Dr. DiRienzo completed his B.S. at The Ohio State University and his M.S. and Ph.D. at Virginia Tech, with a major in Animal Science and a focus on protein nutrition. After his graduate studies, Dr. DiRienzo received further training as a research associate in human clinical nutrition at the Baptist Medical Center (BMC) Hospitals in Birmingham AL. Dr. DiRienzo researched the importance of aggressive enteric feeding with enhanced protein formulas in the nutritional care of trauma patients.

- Karianne Fallow

Karianne Fallow serves as the Chief Executive Officer of Dairy West, a marketing and promotion organization for the dairy industry. In her role, she oversees the United Dairywomen of Idaho.

Prior to joining Dairy West in 2013, Karianne worked as Director of Public Affairs and Business Development for Red Sky Public Relations. In that role, she led strategic communication planning and execution for clients of many sizes and grew the Public Affairs practice significantly.

Before joining Red Sky, Karianne, who is a native Idahoan, led Public Affairs and Government Relations efforts for Walmart Stores, Inc. in several Western states. During her time at Walmart, Karianne was responsible for legislative and regulatory issues, political development, and reputation management at the state and local levels. In addition, she managed community outreach, stakeholder engagement and foundation efforts in those states.

Karianne joined Wal-Mart in January 2006 after six years at Albertsons, where she managed Government Affairs and worked in Media Relations and Internal Communications. She was responsible for developing and managing state and federal government affairs programs for the company.

Karianne has her Bachelor degree from University of Oregon, where she studied Cultural Anthropology and Archaeology. She worked as an archaeologist prior to attending Boise State University, where she pursued her Master of Public Administration. During her master's study, Karianne worked as a Public Information Officer and firefighter for the Boise National Forest and the Lower Snake River District of the Bureau of Land Management. She also interned at the Idaho Association of Counties during that time.

Mrs. Fallow has served on a number of professional and volunteer Boards and she was appointed to serve on the Historical Preservation Commission in Eagle, Idaho. She has been recognized twice as one of Idaho's "Women of the Year," once as one of Idaho's "Most Accomplished Under 40" and as a nominee by Governor Butch Otter to the National Business and Professional Women's Leadership Summit. She has served in various leadership positions, including President, for nine years, for the University of Oregon Alumni Association in the Treasure Valley. Currently, she is the President of Go Lead Idaho, an organization whose mission is to develop and promote women in leadership roles in the private, public and non-profit sectors; and she is Vice Chair of the Eagle Historic Preservation Commission.

Karianne lives in Eagle, Idaho with her husband, two children (ages 7 and 5) and yellow lab. They enjoy fishing, hunting, recreating outdoors, traveling and eating cheese and ice cream.





Mary Hennigan -

Mary Hennigan is Senior Technical Advisor, Nutrition, Catholic Relief Services, or CRS.

Mary Hennigan leads CRS' efforts to deliver high-quality nutrition interventions that promote optimal child growth in her role as Senior Technical Advisor in Nutrition.

Mary has more than 40 years of experience working in nutrition, and has lived in several countries, working on a range of nutrition programs including nutrition education, nutrition governance, surveillance systems, and training dietetic and nutrition staff. Most recently, she served as a preceptor for Johns Hopkins University School of Nursing. Mary has co-authored a paper on field-testing lot quality assurance sampling for assessing the prevalence of acute malnutrition rates, and has contributed to numerous tools such as the CORE Group's nutrition design tool. She serves on the board of directors of the CORE Group and is an active participant in their nutrition working group. Mary has a MPH from Tulane University School of Public Health and Tropical Medicine with a major in Nutrition.

- Bharati Kulkarni

Dr. Bharati Kulkarni obtained her medical degree with specialization in Pediatrics from University of Pune in 1994. She was awarded Joint Japan World Bank Graduate Scholarship in 2007 and completed her Master of Public Health (with concentration in Epidemiology and Biostatistics) from Johns Hopkins Bloomberg School of Public Health, USA. She gained PhD (Faculty of Health) from Queensland University of Technology, Australia in 2014.

Dr. Kulkarni's research encompasses various aspects of public health nutrition including maternal and child nutrition, developmental origins of health and disease in adulthood, body composition as well as nutritional aspects of bone health. She has conducted a number of studies on bone health and body composition of various population groups. She is an investigator of an international collaborative study which examines the association of early life nutrition supplementation with later chronic diseases in a long term follow up of a cohort, Andhra Pradesh Children and Parents Study (APCAPS). Her current work focuses on understanding the linkages between agriculture and nutrition through a collaborative study, SPANDAN (System of Promoting Appropriate National Dynamics for Agriculture and Nutrition), which involves a large integrated survey on agriculture and nutrition in two states of India.



Mark Manary -

Dr. Mark Manary is an American pediatrician who has worked in sub-Saharan Africa most of his professional life. He was educated at Massachusetts Institute of Technology and Washington University School of Medicine in St. Louis. He first worked in Africa in 1985 with his wife Mardi in Shirati, Tanzania. He is the Helene Roberson Professor of Pediatrics at Washington University. He maintains three active field research teams in Africa; Sierra Leone, Malawi and Ghana. He has published over 150 peer reviewed articles. His permanent home

is in St. Louis, Missouri, USA and he has 2 children and 3 grandchildren.

Dr. Manary's professional goal is to 'fix malnutrition for kids in Africa'. To this end, he has developed ready-to-use therapeutic food and used the food in home-based therapy. Ready-to-use therapeutic food is a novel lipid-based food which has been accepted as the standard of care for uncomplicated severe acute malnutrition by the UN agencies. He did the first clinical trial with this food in 2001, and continues to improve it today. He is currently formulating and evaluating new foods designed to augment the therapy of HIV in Africa, and treat moderate childhood malnutrition. He also recognizes the importance of work to prevent childhood malnutrition, and to that end is exploring the use of lipid nutrient supplements to as complementary foods for children in Malawi. He believes the ultimate solution for malnutrition will incorporate improved agriculture. He continues to explore the basic pathophysiology and metabolism of malnutrition, and is currently looking at the gut microbiota and metabolome in kwashiorkor and marasmus, and well as zinc homeostasis. Protein quality has been one key element to a healthy diet that Dr. Manary has researched. Dairy proteins in particular have been shown to be especially beneficial. The role of protein quality in food aid products has been elucidated by Dr. Manary. Recently the role of protein quality and the causal role it plays in stunting has been explored by Dr. Manary.

- Kim F. Michaelsen

Professor in Paediatric Nutrition at Department of Nutrition, Exercise and Sports, Faculty of Science, University of Copenhagen

Kim F Michaelsen has established the research group: Paediatric and International Nutrition at department of Nutrition, Exercise and Sports. The group has projects in Denmark, Ethiopia, Cambodia, Kenya and Uganda. The focus of his research include: The effects of breastfeeding and complementary feeding on growth, development and risks of diseases later in life, both in high and low-income countries, early prevention of obesity, and prevention and treatment of MAM and SAM. Studies have included effects of nutrition on linear growth, body composition, microbiota, physical activity and cognitive development. He is advisor to the Danish Health Authority on IYCF and has been temporary advisor and consultant for WHO on several aspects of IYCF.



Gene Moses -

International Finance Corporation (IFC) is the private sector arm of the World Bank Group, and is the largest private sector investor in emerging markets, financing companies and banks in emerging markets to create development impact. IFC works with both local sponsor companies and global/regional companies who have a commitment to sustainability. Agribusiness is one of IFC's strategic priority sectors due to its high development impact, role in addressing global food security, and impact on environmental and social sustainability. IFC's Agribusiness & Forestry team has primary responsibility for agribusiness and food supply chain investments and advisory services across the entire

value chain, focusing on agri production and processing; furthermore, our team supports value chain segments such as fertilizers, food retail, agri-infrastructure, and agri financing. IFC's current portfolio in the sector is over \$5 billion, with annual investments of over \$3 billion.

As the Senior Strategist for the Global Agribusiness team, Mr. Moses is responsible for developing and communicating the department's strategy, thematic issues and development impact in the sector, managing key industry partnerships, and coordination with the Agriculture Global Practice and other parts of the World Bank Group. One of his major roles is to support relationships and investments with North America-based multinational companies which have operations in emerging markets. He is also a participant on working groups for the World Economic Forum (WEF) New Vision for Agriculture Project Board, comprised of representatives of leading food and agribusiness companies which meet periodically on issues facing the industry.

Mr. Moses has a Bachelors Degree in International Finance from Georgetown University and a Masters Degree in International Public Policy from Johns Hopkins School of Advanced International Studies (SAIS) and has been with IFC's Agribusiness team for over 10 years.

- Melody Mui

Melody Mui is a Chicago native who earned her B.S. in Food Science from Purdue University. After some professional experience with food sensory, she moved on as head of the microbiology lab at a frozen filled pasta company. She has since joined Washington University in St. Louis under Dr. Mark Manary, MD to contribute to the treatment and prevention of malnutrition.



Nina Schlossman –

Dr. Nina Schlossman is a food and nutrition expert with more than 30 years providing leadership and technical assistance in the food security, food aid and development arenas. She works in all aspects of nutrition throughout the lifecycle, starting with the critical first 1,000 days.

Dr. Schlossman is President of Global Food & Nutrition Inc., where she directs overall strategy, and technical, research, evaluation, and training services around the world. She is an Adjunct Faculty at the Tufts Friedman School of Nutrition Science & Policy and a senior member of the USAID-funded Food Aid Quality Review.



Dr. Schlossman has expertise in food systems and product development, including randomized controlled trials and consumer testing of ready-to-use-therapeutic and supplementary foods. Dr. Schlossman has a Ph.D. in International Nutrition from Tufts University and a M.S. in Nutritional Biochemistry and Metabolism from Massachusetts Institute of Technology.



Dominic Schofield -

Dominic's professional career spans over twenty years in the field of international development serving in leadership positions with the private and not-for-profit sectors, and the United Nations; with assignments in Africa, Latin America and the Caribbean, and South and Southeast Asia.

Throughout his career, Dominic has sought to bring good development practice together with good business practice, and has been successful in leveraging policy advocacy and blended capital approaches to fuel and take innovations to scale. At posts based in Ottawa, Geneva, Washington DC and New York, his work in public health for more than a decade has focused on addressing malnutrition in developing countries through multi-sectoral alliances that combine the strengths of government, private sector, and civil society. Prior to joining GAIN, Dominic served as Nutrition Specialist at UNICEF in New York, and as Partnership and Business Development Manager at the Micronutrient Initiative (MI) and the International Development Research Centre (IDRC) in Ottawa, and later led these efforts at IDRC's regional office for Southern Africa, based in Johannesburg. Previously, Dominic led business partnership and social impact investment in South Africa through an initiative of the Canadian Manufacturers and Exporters (CME) that was recognized as a key mechanism of the Government of Canada's Africa Trade Strategy.

As a management consultant, based in Montreal and Singapore, he led complex projects in technology transfer and skills development, and has assisted development organizations in strategic planning, resource mobilization and strengthening private sector participation and investment in sustainable development. Dominic currently advises the FTSE for Good Index Policy Committee, the Access to Nutrition Index and serves on several technical expert committees related to nutrition and public health. He also serves as Canadian representative of OneGoal, an initiative of FIFA's Asian Football Confederation to mobilize youth and adolescent girls for improved nutrition through the power of sport.

- Heather Stobaugh

Dr. Heather Stobaugh has a Ph.D. in Food Policy and Applied Nutrition from the Friedman School of Nutrition at Tufts University, in addition to an M.S. in Nutrition and M.P.H from Tufts University. Heather possesses a unique blend of on-the-ground implementation experience and high quality academic research. She has eight years of experience working as a consultant and technical advisor for organizations implementing development and emergency nutrition programs. This is coupled with conducting clinical trials and operational research to identify innovative solutions and improve the evidence-base behind food and nutrition policies and programs. She has worked in a variety of contexts across Africa, Asia, Europe, and Latin America.



- Roger Thurow

Roger Thurow is a Senior Fellow for Global Food & Agriculture at the Chicago Council on Global Affairs.

He was a reporter at the *Wall Street Journal* for 30 years. His coverage of global affairs spanned the Cold War, the reunification of Germany, the release of Nelson Mandela, the end of apartheid, and the humanitarian crises of the first decade of this century—along with 10 Olympic Games.

In 2003, he and Journal colleague Scott Kilman wrote a series on famine in Africa that was a finalist for the Pulitzer Prize in International Reporting. Thurow and Kilman are authors of the book, *ENOUGH: Why the World's Poorest Starve in an Age of Plenty*. In 2009, they were awarded Action Against Hunger's Humanitarian Award. Thurow is also author of *The Last Hunger Season: A Year in an African Farm Community on the Brink of Change*, and *The First 1,000 Days: A Crucial Time for Mothers and Children – And the World*.



Christie Vilsack -

Christie Vilsack served the U.S. Agency for International Development as the Senior Advisor for International Education from 2013-2016. In that position, Christie supported USAID's Education Strategy goals to improve children's reading skills, strengthen youth workforce skills, and provide equitable access to education in crisis and conflict settings especially for girls.

Christie has committed her life to education and public service. For 25 years, she taught secondary and college English and journalism. Her experience inside the classroom led to a focus on education and advocating for public libraries as Iowa's First Lady, as a candidate for Congress in Iowa, and now as an education adviser for colleges and universities.

Born and raised in Mount Pleasant, Iowa, Christie is a graduate and charter class member of Kirkland College in Clinton, New York. She earned a master's degree in journalism from The University of Iowa. She and husband former Secretary of Agriculture Tom Vilsack, now CEO and President of the U.S. Dairy Export Council, live in rural Iowa. They have two married sons and four grandchildren. They have enjoyed a lifetime of public service together and continue to support efforts to improve domestic and international education.

USDEC's Dairy for Global Nutrition would like to thank the United Dairymen of Idaho, Idaho's dairy farmers and their families for their generous funding for this inaugural conference! We greatly appreciate your support!

A significant portion of USDEC's funding is provided by U.S. dairy farmers' checkoff dollars and USDA's Foreign Agriculture Service, pursuant to laws intended to promote U.S. dairy products.

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