



NATIONAL COALITION FOR FOOD AND AGRICULTURAL RESEARCH

'Lunch~N~Learn' Hill Seminar Series

http://www.ncfar.org/Hill_Seminar_Series.asp

GOAL: Inform Hill Staff & other policy stakeholders about the value of public investment in food & ag research through hill seminars featuring leading edge researchers on topics of high interest. Helps staff make more informed recommendations about federal funding for Food and Ag RE&E.

- **510 attendees** at 7 seminars in 2017. Over **8,300** attendees over past 13 years through **131 seminars**.
- Leading presenters from over 60 [institutions](#) across the nation—wide range of disciplines and topics.



2017 TITLES

FARM ECONOMY UPDATE—PRESSURES ON REPAYMENT & SPENDING * PLANT BREEDING AND GENETICS
ACCELERATING THE PATH TO IMPROVING PUBLIC HEALTH THROUGH FOOD BASED SOLUTIONS
ROBOTIC WEED WARS * DIGITAL AGRICULTURE * WHY DOES HONEY BEE HEALTH MATTER?
FARMING IN THE FOREST? YES, INDEED!

2017 LINEUP

FARMING IN THE FOREST? YES, INDEED!—Woodland Cultivation of Non-Timber Crops, Dr. John Munsell., **Virginia Tech** (Dec 15-32)

WHY DOES HONEY BEE HEALTH MATTER?—The Science Surrounding Honey Bee Health Concerns and What We Can Do About It, Dr. Marla Spivak, **U of Minnesota** (June 19-146)

DIGITAL AGRICULTURE—Technology Innovation in Complex Production Environments, Dr. Harold van Es, **Cornell** (June 12-62)

ROBOTIC WEED WARS—A New Game, New Players, New Rules, Dr. Steven Fennimore, **UC-Davis** (May 22-43)

ACCELERATING THE PATH TO IMPROVING PUBLIC HEALTH THROUGH FOOD BASED SOLUTIONS—Leveraging Collaborations between Government and Academia to Create a More Convenient and Healthful Food Supply, Dr. Mario Ferruzzi, North Carolina State; and Dr. Janet Novotny, **USDA, ARS** (May 12-45)

PLANT BREEDING AND GENETICS—The Need for Ag Innovation to Sustainably Feed the World, Dr. Stephen Baenziger, **U of Nebraska-Lincoln**; and Dr. Rita Mumm, **U of Illinois** (Mar 22-62)

FARM ECONOMY UPDATE—PRESSURES ON REPAYMENT & SPENDING—Cooperative Extension Translates Scientific Research to Help Farmers and Ranchers Manage Financial Risk, Dr. Jason Henderson, **Purdue**; Dr. Allen Featherstone, **Kansas State**; and Dr. Jeff Hopkins, **USDA, ERS** (Feb 13-120)

2016 LINEUP

IMPLICATIONS OF TRADE DISRUPTIONS—The Impact of Asynchronous Trade Approvals for Biotech Crops on Agricultural Sustainability, Trade and Innovation, Dr. Nicholas Kalaitzandonakes, **U of Missouri** (44)

THE LATEST INNOVATION IN PLANT BREEDING—Genome Editing, Dr. Anne Blechl, **USDA, ARS**, (65)

GIVE ME A BREAK!—Using Forest Windbreaks to Reduce Crop Gene Flow, Dr. Carol Auer, **U of Connecticut** (70)

THE ECONOMICS OF DROUGHT—Realities and Policy Choices, Dr. Rob Johannson, **USDA**; Dr. Ariel Dinar, **UC-Riverside**; & Dr. Steve Wallander, **USDA, ERS** (100)

CLIMATE SMART PRECISION AGRICULTURE—Dr. Raj Khosla, **Colorado State** (91)

FOOD FROM THOUGHT—ARS Mission, Programs and Challenges, Dr. Chavonda Jacobs-Young, **USDA, ARS** (101)

LOSING TRACK!—Do You Really Know from Where Your Lunch has Come?, Tejas Bhatt, **Institute of Food Technologists** (75)

INCLUDING THE U.S. ECONOMY BY ADDING FIBER—Challenges of Adding Industrial Hemp Production, Dr. Ron Turco, **Purdue** & Dr. Janna Beckermann, **Purdue** (51)

U.S.-CUBA AGRICULTURAL TRADE—Economic Policy Implications of a Changing Trade Environment, Bryce Cook, **USDA, ERS** & Dr. William Messina, **U of Florida** & Dr. Luis Ribera, **Texas A&M** (84)

MORE CROP FOR THE DROP!—Technology Implementation in Agriculture for Enhancing Crop Water Productivity, Dr. Suat Irmak, **U of Nebraska-Lincoln** (71)

PREVENTING THE NEXT KUDZU—A Life-Cycle Approach to Low-Invasion Potential Bioenergy Production, Dr. Jacob Barney, **Virginia Tech** (62)

2015 LINEUP

BATTLING THE WICKED PROBLEM OF HERBICIDE RESISTANCE—The Human Dimensions of Herbicide Resistance Evolution, Dr. David Shaw, **Mississippi State** (55)

PARTNERS FOR LIFE—The Untapped Potential of Plant Microbiomes in Agriculture, Dr. Jan Leach, **Colorado State** (53)

CHOICES—Improving Nutrition Among Low Income and Food Insecure Individuals, Dr. David Just, **Cornell** (85)

ROLE OF U.S. AGRICULTURE IN CHINESE MARKETS—Factors Affecting Chinese Food and Agricultural Markets, Dr. Holly Wang, **Purdue** (106)

WARNING: THIS FOOD LABEL MAY CAUSE CONFUSION—Process Labeling of Food: Consumer Behavior, the Ag Sector and Policy Recommendations, CAST Issue Paper, Dr. Kent Messer, **U of Delaware** (100)

BIOTECHNOLOGY: GREAT POTENTIAL STIFLED BY GOOD INTENTIONS—Arresting Application of Genetic Engineering Solutions, Dr. Kevin Folta, **U of Florida** (100)

THE FUTURE OF FOOD: OPTIMAL OR ORWELLIAN?—How Plant Breeding Decisions Made Today Will Determine the Future of Food, Dr. William F. Tracy, **U of Wisconsin** (66)

WHAT ARE CHILDREN EATING AT SCHOOL LUNCH?—5 Years After the Healthy, Hunger-Free Kids Act, Dr. Bethany Yon, **U of Vermont** (68)

CLIMATE CHANGE: SO WHAT'S UP WITH DINNER?—Climate Changes and Its Impact on our Diverse and Abundant Food Supply, Dr. Michael Hoffmann, **Cornell University** (39)

BEEES ON THEIR KNEES?—Factors Affecting Honey Bees and Other Pollinators, Dr. Kevin Hackett and Dr. Jeff Pettis, **USDA, ARS** (120)

A CASE FOR SOIL HEALTH—Opportunities to Change the Face of Agriculture and How We Feed Our Nation, Bianca Moebius-Clune, **USDA, NRCS** (63)

WASTE TO WISDOM—Using Agriculture and Forestry Residues to Create Bioenergy and Biochar, Dr. Deborah Page-Dumroese, **USDA, USFS** (45)

TRENDS IN FARMS, FOOD AND MARKETS—USDA's Economic Research Service Findings, Dr. Mary Bohman, Administrator, **USDA, ERS** (71)

THE WISDOM OF CROWDS—Can the Public Guide Research and Extension Programs?, Dr. Robert Kallenbach, **U of Missouri** (26)

2014 LINEUP

YOU CAN'T EAT WHAT DOESN'T GROW—*The Contributions of Pesticides to Pest Management in Meeting the Global Need for Food Production by 2050*, Dr. Stephen Weller, **Purdue** (66)

NIFA VISION—*User Inspired Science Transforming Lives*, Dr. Sonny Ramaswamy, **USDA, NIFA** (62)

CORNUCOPIA IN THE CITIES—*Growing Urban Agriculture with Trees*, Gary Bentrup, MLA, **U.S. Forest Service, National Agroforestry Center** (72)

FROM FARM TO CELL—*Integrating Agriculture, Food and Nutrition Sciences to Develop Improved Food Products Delivering Nutritional Quality*, Dr. Mario Ferruzzi, **Purdue** (48)

CARVING THE PATH FOR THE NATION'S FUTURE FOR NATURAL RESOURCES—*A Science, Education and Outreach Roadmap*, Dr. John Hayes, **Colorado State** (64)

FARM ANIMAL RESEARCH IN CRISIS—*A Neglected Research Resource for Advancing Human Health and Animal Agriculture*, Dr. James Ireland, **Michigan State** (74)

SHIFTING WINDS IN INTERNATIONAL AGRICULTURAL DEVELOPMENT—*What's Behind Africa's Turnaround?*, Dr. William Masters, **Tufts University** (18)

DETOURS ON ROAD TO SUSTAINABLE FEEDSTOCK PRODUCTION FOR CELLULOSIC BIOFUEL—*Assessing Multidimensional Policy Approaches*, Dr. Madhu Khanna, **U. of Illinois** (23)

TO LABEL OR NOT TO LABEL—*The Potential Impacts of Mandatory Labeling for Genetically Engineered Food*, CAST Report, Dr. Alison Van Eenennaam, **UC-Davis** (67)

COOPERATIVE EXTENSION—*Innovation for the Next Century*, Dr. Jimmy Henning, **U. of Kentucky** (32)

EASY AS ABC, 123!—*Integrating Nutrition and Activity in Early Childhood Learning to Build Lifelong Healthy Habits*, Laura Bellows, Ph.D., **Colorado State** (40)

MORE CROP FOR THE DROP—*A Global Search Through the National Plant Germplasm System for Drought Tolerant Soybeans*, Tommy Carter, Ph.D., **USDA, ARS** (45)

2013 LINEUP

FROM CHILDHOOD OBESITY TO SNAP—*Opportunities and Challenges in Nutrition Research*, Robert M. Russell, M.D. Former Special Advisor to **NIH**

DID A COW JUST EAT MY DINNER?—*Animal Feed vs. Human Food: Challenges in Sustaining Animal Ag Toward 2050*, Dr. Jude Capper, **Montana State**

1/30/2018

GOT TREES?—*Building Climate-Ready Agriculture*, Dr. Michele Schoeneberger, **USFS**

SAFELY CROSSING THE FOOD CHAIN—*The Economics of Reducing Food Risk*, Dr. Julie Caswell, **U of Massachusetts Amherst**

AG SUSTAINABILITY, FIELD TO MARKET—*Role of Sustainable Agriculture in Global Economic Competitiveness*, Dr. Marty Matlock, **U of Arkansas**

GOLDSLOCKS AND RISK MANAGEMENT—*Impact of the Precautionary Principle on Feeding Current and Future Generations*, Dr. Gary Marchant, **Arizona State U**

APPLIED BEE-NOMICS—*How the Honey Bee Project is Revolutionizing Pollinator Research*, Dr. May Berenbaum, **University of Illinois**

MARKET FORCES OR REGULATION?—*Organization of Ag & Natural Resource Markets*, Dr. Rachael Goodhue, **UC-Davis**

WATERSHED VIEW OF AG CONSERVATION—*Effectiveness of Ag Conservation Practices at the Watershed Scale*, Dr. Deanna Osmond, **North Carolina State**

SAFE FOOD—*Research to Practice*, Dr. Elizabeth Andress, **North Carolina State** (57)

BALANCING NUTRIENTS: A GROWING NEED—*Food, Fuel & Plant Nutrient Use in the Future*, Dr. David Zilberman, **UC-Berkeley** & Dr. Bruce Dale, **Michigan State** (47)

INVASIVE WEEDS AND BIOENERGY CROPS—*Economic Boon or Environmental Disaster?*, Dr. Jacob Barney, **Virginia Tech**

2012 LINEUP

THE NEXT 40 YEARS—*The Challenge of Feeding 9.6 Billion*, Dr. Robert Thompson, **Johns Hopkins U** (80)

OUT OF THE TRASH AND ONTO TRAYS—*Increasing Fruit & Vegetable Consumption in the School Lunch Program*, Dr. David R. Just, **Cornell** (75)

LOCATION, LOCATION, LOCATION!—*Putting Forested Buffers in Their Place*, Dr. Michael Dosskey, **U.S. Forest Service** (87)

WHAT WOULD LINCOLN DO?—*The Critical Value of Extension in Translating Agricultural Research*, Dr. Douglas Steele, **Montana State** (104)

SAFEGUARDING THE SEEDS OF OUR FOOD SECURITY—*The U.S. National Plant Germplasm System*, Dr. Peter Bretting, **USDA, ARS** (109)

HEALTHY ANIMALS, CONFIDENT CONSUMERS—*The Direct Relationship Between Animal Health and Food Safety Outcomes*, Dr. H. Scott Hurd, **Iowa State** (79)

AMERICAN AGRICULTURE COOPERATES—*Economics, Research and Structure of Farmer Owned Cooperatives*, Dr. Phil Kenkel, **Oklahoma State** (63)

HANDS-ON SCIENCE IN THE WILD—*Discovery of the Innate Plant-Protective Properties of Plants, and Delivery to the U.S. Marketplace and Beyond*, Dr. Mary Ann Lila, **North Carolina State** (57)

A DIAGNOSIS OF TROUBLED WATERS—*Impacts of Ag Land Management Change on Water Quality*, Dr. Donald Huggins, **Kansas Biological Survey, U of Kansas** (81)

CAN PROCESSED FOODS BE HEALTHY?—*How Do Processed Foods Fit into a Healthy Lifestyle*, Dr. Eric Decker, **U of Massachusetts, Amherst** (96)

INVASION PERSUASION—*A Review of a Successful USDA Program For Defeating a Wide-Spread Invader: TEAM Leafy Spurge*, Dr. Rodney Lym, **North Dakota State** (48)

PUTTING ENERGY IN TO GET ENERGY OUT—*Energy Issues Affecting Corn/Soybean Systems: Challenges for Sustainable Production*, Dr. Doug Karlen, **USDA, ARS** (82)

2011 LINEUP

CLEARING THE AIR ON GREENHOUSE GASES-CAN AG HELP?—*Carbon Sequestration and Greenhouse Gas Fluxes in Ag: Challenges and Opportunities*, Dr. Jack Morgan, **USDA, ARS**

AGRICULTURE—SCIENCE FOR ALL AMERICANS—*Promoting Ag Science Through the Food and Ag Research Experience for Teachers (RET) Program*, Drs. Jon Peterson & Tiffany Heng-Moss, **U of Nebraska**

PROVIDING FOR TOMORROW'S FOOD DAYS—*The Critical Role of Food and Agricultural Research*, Dr. Lowell Catlett, **New Mexico State**

THE AIR WE BREATHE—*Air Issues Associated with Animal Agriculture*, Dr. Frank Mitloehner, **UC-Davis**

MAPPING FOR THE FUTURE OF OUR FOOD—*Harvesting Opportunities from Lessons Learned in the Maize (Corn) Genome Project*, Dr. Patrick Schnable, **Iowa State**

i-TREES—*Maintaining Healthy Cities*, Dr. David J. Nowak, **USDA Forest Service**

GUESS WHAT'S COMING TO DINNER?—*The Science and Regulation of Food from Genetically Engineered Animals*, Dr. Eric Hallerman, **Virginia Tech**

PUBLIC RESEARCH AGENDA FOR AGRICULTURE—*USDA's Action Plan for Research, Education & Extension*, Under Sec Cathie Woteki, **USDA**

FOOD FRAUD—*Do You Know What You Are Eating?*, Dr. John Spink, **Michigan State**

EATING OUT AND OVEREATING—*Effects of 'Fat Tax' and Calorie Information on Restaurant Food Choices*, Dr. Jayson Lusk, **Oklahoma State**

WE REAP WHAT WE SOW—*Better Future Through Public Ag Research*, Dr. George Norton, **Virginia Tech**

WAGING WAR ON INVASIVE GRASSES—*Preventing—Not Just Controlling—Rangeland Fires in the West*, Dr. Richard Mack, **Washington State U**

2010 LINEUP

TURNING TODAY'S CROPS INTO TOMORROW'S FUEL—*Infrastructure Requirements for Harvest, Transportation and Storage*, Dr. Jerry Fruin, **U of Minnesota**

DYNAMIC DUO!—*Agroforestry, Sustainable Agriculture Through the Blending of Trees and Agriculture*, Andy Mason, **USDA AgroForestry Research Center**

SOLVING AFRICA'S WEED PROBLEM—*Key to Improving Women's Lives and Increasing Food Production*, Leonard Gianessi, **CropLife Foundation**

LOCAL FOODS ACROSS THE COUNTRY AND CLOSE TO HOME—*The Implications of Local Foods Supply Chains*, Dr. Robert King, **U of Minnesota**

ANIMAL RIGHTS AND WRONGS—*Ethical Implications of Animal Biotechnology: Considerations for Animal Welfare Decision Making*, Dr. Paul Thompson, **Michigan State**

FROM SPECIALIZED FARMING TO YOUR FORK—*Implications for Competition and the Changing Structure of Agriculture*, Dr. Brian Buhr, **U of Minnesota**

THE ROAD TO 2012—*Budgeting to Provide Sound Science to Meet Future Challenges*, Under Secretary Molly Jahn, **USDA**

ONE FISH, TWO FISH, FOOD FISH, FEED FISH—*Meeting Nutritional Challenges in Aquaculture & Aquatic Resources Management*, Dr. Jesse Trushenski, **Southern Illinois U**

FEEDING OUR FUTURE—*Role of Research in Updating Child Nutrition Programs*, Dr. Suzanne Murphy, **U of Hawaii**

AGRICULTURE'S PERFECT STORM—*Agricultural Productivity Strategies for the Future*, Dr. Gale Buchanan, **U of Georgia**

WORLD SECURITY AT RISK?—*The Race Against Ug99 Stem Rust in Wheat*, Dr. Jim Peterson, **Oregon State**

2009 Lineup

THE GREEN CONNECTION—*Nanotechnology and Wood*, Dr. Robert Moon, **USDA, FS, U.S. Forest Products Lab**, Madison, WI & **Purdue**

ONE HEALTH?—*Ag Research Protecting Human, Animal, and Enviro Health*, Dr. Marguerite Pappaioanou, **AAVMC**

PORCINE NIRVANA?—*Scientific Assessment of the Welfare of Dry Sows Kept in Individual Accommodations*, Dr. John McGlone, **Texas Tech**

ARE LOCAL FOOD CONSUMERS CIVIC MINDED OR SEEKING ASSURANCES?, *Policy Implications & Research Agenda*, Dr. Dawn Thilmany McFadden, **Colorado State**

SOYBEAN FIELDS FOREVER—*Sustainability of U.S. Soybean Production: Conventional, Transgenic and Organic Production Systems*, Dr. Bryan Young, **Southern Illinois University**

WHEN GOOD FOOD GOES BAD, *Food Safety and Fresh Produce: An Update*,” Dr. William McGlynn, **Oklahoma State**

FOOD TRACEABILITY—*Finding Our Way (And Our Food)*, Dr. Chris Thompson, **U. of Kentucky**

ANIMAL PRODUCTIVITY AND GENETIC DIVERSITY—*Cloned and Transgenic Animals*, Dr. Robert Wall, **USDA-ARS** and **University of Maryland**

THE ENDANGERED SPECIES ACT—*Interfacing With Agricultural and Natural Ecosystems* , Bernalyn McGauhey, **Compliance Services International**

WATER, PEOPLE AND THE FUTURE—*Water Availability for Agriculture in the U.S.*, Dr. Sharon Megdal, **University of Arizona**

[2008 Lineup](#)

BLOWIN’ IN THE WIND—*Implications of Gene Flow in Commercial Use of Biotech-derived Crops* (CAST Issue Paper), Dr. David Gealy, **USDA, ARS**, Dale Bumpers Natl Rice Resource Center

CHOICES—CLIMATE CHANGE & AGRICULTURE—*Outlook & Investigation on Climate Change, Ag & Natural Resources*, Dr. Bruce McCarl, **Texas A&M** & Dr. Brent Sohngen, **Ohio State**

SHOTS ARE FOR THE BIRDS—*Avian Influenza Vaccines Using DNA Tech* (CAST Reports) Dr. Karen Burns Grogan, Chicken Scratch, LLC & Dr. Robert Silva, **USDA, ARS**

WATER, WATER EVERYWHERE & NOT A DROP TO SPARE—*Issues for Turfgrasses in Urban Landscapes*, (CAST Report), Dr. Michael Kenna, Director, Green Section Research, **USGA**

YOU HUMANS THINK YOU’RE THIRSTY? TRY LIFE AS A PLANT!—*The Quest to Improve Crop Plant Use & Drought Tolerance*, Dr. James Specht, **U. of Nebraska-Lincoln**

FOOD NANOSCIENCE???—*How Tiny Particles Have a Big Impact*, Dr. Bernadene Magnuson, **University of Toronto** & Cantox Health Services

\$VALUING YOUR DIET—*Effects of Rising Food Prices on Food Insecurity & Diet Quality*, Dr. Parke Wilde, **Tufts University** & Deborah Rhoades, RD, **University of Maryland** Extension

FROM STUMP TO PUMP—*Cellulosic Biofuels from America's Forests Ready to Make the Leap Forward*, Dr. Theodore Wegner, **USDA Forest Service**, Forest Products Laboratory

LIVING OFF THE FAT OF THE LAND—*Convergence of Energy & Agriculture: III. Considerations in Biodiesel Production*, Dr. Jon Van Gerpen, **University of Idaho**

[2007 Lineup](#)

BIOFUEL FEEDSTOCKS—*The Risk of Future Invasions*, CAST Report, Dr. Joseph DiTomaso, **UC-Davis** -& **- CONVERGENCE OF AG & ENERGY**—*Cellulosic Biomass for Biofuels*, CAST Report, Dr. Steven L. Fales, **Iowa State University**

WHAT YOU DON'T KNOW WON'T HURT YOU!—*CAST Report on Probiotics & Human Health*, Dr. Mary Ellen Sanders, **Dairy & Food Technologies**, Centennial, CO

WILD PIGS AND SPINACH—*Food Safety Microbiological Concerns of Fresh Produce and Microbiological Issues, Imported Foods*, Dr. Michael Doyle, **University of Georgia**

OUR VULNERABILITY TO ANIMAL DISEASES—*Zoonotic Diseases and Their Potential for Infecting Humans*, Dr. James Roth, **Iowa State University**

IF POLLINATORS ARE IN TROUBLE, SO ARE WE!—*Insect & Other Animal Pollinators and Their Vital Role in Ag & Healthy Ecosystems*, Dr. May Berenbaum, **University of Illinois**

HEALTH MAY BE A DIFFERENT ANIMAL—*CAST Report on the Role of Transgenic Livestock in the Treatment of Human Disease*, Dr. Carol L. Keefer, **University of Maryland**

CREATE-ING A BETTER FUTURE FOR AGRICULTURE —*CREATE-21*, Dr. Robert Steele, **Penn State University**& Dr. L. Washington Lyons, **Association of Extension Administrators**

WHY A NATIONAL INSTITUTE FOR FOOD AND AGRICULTURE—*Fundamental Research Benefiting Food, Fiber, Fuels and the Environment*, Dr. William Danforth, **Washington U.-St. Louis West**

CULTIVATING OUR COMPETITIVE EDGE—*Research, Extension and the Future of Agriculture*, Dr. Philip Pardey, **University of Minnesota**& Dr. Julian Alston, **UC-Davis**

2006 Lineup

AGRICULTURE TRADE POLICY—*Responding to a Moving Target*, Dr. David Blandford, **Penn State University**, Dept of Agricultural Economics and Rural Sociology

GENOMICS? BIOINFORMATICS? TRANSLATION PLEASE!—*Realizing the Promises of Bioinformatics*, Dr. William Beavis, Chief Scientist, **Natl Ctr for Genome Research**, Santa Fe, NM

PURPLE CARROTS—*A Kaleidoscope of Carrots for Nutritional Needs and Market Niches*, Dr. Philipp Simon, **USDA, ARS** & Professor, Dept of Horticulture, **University of Wisconsin**

EDEN WORKS! A NATIONAL NETWORK IN DISASTER READINESS, Dr. Edwin Jones, EDEN Chair, **North Carolina State University**

TURNING GREEN INTO YELLOW—*Improving Plants for Use as Home-Grown Biofuels*, Dr. Kenneth Keegstra, Director, Plant Research Laboratory, **Michigan State U-Dept of Energy**

DRINK THE BEST AND DRIVE THE REST—*Optimizing Biomass as a Renewable Resource*, Dr. Sharon Shoemaker, California Institute of Food and Agricultural Research, **UC-Davis**

REBUILDING THE FOOD CHAIN FOR NEMO—*An Integrated Approach to Sustainability in Aquaculture*, Dr. Wendy Sealey, Hagerman Fish Culture Experiment Station, **University of Idaho**

2005 Lineup

MAD COWS AND Bt POTATOES: GLOBAL PUBLIC GOODS IN THE FOOD SYSTEM, Dr. Laurian Unnevehr, Department of Agricultural and Consumer Economics, **University of Illinois**

POWERING AN ENHANCED GREEN REVOLUTION WITH PROTEIN-PACKED CORN, Dr. Daniel Gallie, Department of Biochemistry, **University of California-Riverside**

DOWN TO EARTH SCIENCE FROM OUTER SPACE—*Applying NASA Technologies to Advance Agricultural Science and Natural Resource Management*, Dr. David Shaw, **Mississippi State University**

ENERGY—OUR 'GROWING' NEED—*Expanding the Use of Biomass to Produce Renewable Fuels and Biodegradable Plastics*, Dr. Lonnie Ingram, **University of Florida**

DIET BY DESIGN—*Nutrigenomics to Revolutionize Wellness and Disease Management*, Dr. John Milner, **National Cancer Institute**& Dr. Leena Hilakivi-Clarke, **Georgetown University**