



ILSI News

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Table of Contents

- 1 **One ILSI Projects**
- 1 **ILSI HESI Anniversary**
- 2 **White House Recognizes CIMSANS/AgMIP Efforts**
- 3 **Alex Malaspina Travel Grant**
- 3 **Micronutrient Forum in Addis Ababa**
- 4 **Nutrition Reviews Does It Again**
- 4 **New Publications**
- 6 **Upcoming Meetings and 2015 Annual Meeting**

Questions? Feedback?

We'd love to hear from you. Contact ILSI Communications Director Michael Shirreffs at: mshirreffs@ilsi.org

One ILSI Projects Start Taking Shape

In the previous issue of *ILSI News*, we described how the One ILSI strategic approach values cooperation on designing and implementing programs, and how it places a premium on programmatic coordination and collaboration across geographies. We're happy to report One ILSI projects have since taken shape in four thematic topic areas: food and water safety; risk science and toxicology; nutrition; and sustainable agriculture.

Food and Water Safety

Two activities are being organized in food and water safety. The first, known as iFoodExposure and led by the ILSI Research Foundation Center for Risk Science

Innovation and Application (RSIA), has been initiated to "get ahead of" the use of large amounts of new exposure data provided by market and inventory tracking tools. The goal is to understand the potential these data have for improving nutrient and chemical exposure assessment as well as how they might change or confuse existing risk assessment practices.

RSIA and other ILSI branches are working together to organize a scientific session on iFoodExposure at ILSI's 2015 Annual Meeting. It will give participants an overview of new data sources and their uses, benefits, and uncertainties. Contact Richard Canady, PhD, for more information: rcanady@ilsi.org.

continued on page 6

ILSI HESI Celebrates Silver Anniversary

Join us in congratulating ILSI Health and Environmental Sciences Institute (HESI), which is celebrating its 25th Anniversary. Since 1989, HESI has provided vision and management for collaborative science that

- supports the development of safe and effective medicines;
- helps ensure environmental quality and sustainability;
- leads to more accurate risk assessments;
- keeps food safe.

ILSI HESI now has over 60 corporate members supporting approximately 80 projects related to these topics, and it works with a range of partners: universities and research laboratories; government agencies; and other scientific and professional societies. ILSI HESI



is especially recognized for its emerging issues process, which involves these partners in prioritizing health concerns and outstanding questions of science.

For its Silver Anniversary, ILSI HESI has created a special video documenting its commitment to public health and its value as a scientific partner. You can view the video online: [Retrospective](#)

Also, learn more about ILSI HESI's emerging issues process online: [Emerging Issues](#)

White House Recognizes CIMSANS/AgMIP Partnership

In a 29 July press release, the White House recognized the new collaboration between the ILSI Research Foundation's Center for Integrated Modeling of Sustainable Agriculture and Nutrition Security (CIMSANS) and the Agricultural Model Intercomparison & Improvement Program (AgMIP). Together, CIMSANS and AgMIP will secure the resources and expertise needed to evaluate a novel set of nutrition and sustainability metrics of global food systems. Their efforts will strengthen the scientific foundation for building resilience to, and mitigating, the adverse impact of climate change so that human nutrition needs can be met in more sustainable ways.

CIMSANS and AgMIP are acting on the President Obama's Climate Data Initiative, which the White House describes as "a broad effort to leverage the Federal Government's extensive, freely-available climate-relevant data resources to stimulate innovation and private-sector entrepreneurship in support of national climate-change

preparedness." The CIMSANS and AgMIP partnership is recognized by the White House because the two organizations understand food systems are challenged to provide nourishing diets because of accelerating demands of a growing population complicated by climate change and competition for scarce resources. Their work will help food systems provide better nutrition while simultaneously reducing their environmental impacts.

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"CIMSANS represents a unique environment for bringing together public- and private-sector scientists to work on these important issues," says Dr. Jim Jones, University of Florida and CIMSANS Advisory Council. Dr. Anne Roulin, Nutrition, Health & Wellness and Sustainability, Nestlé and also of the advisory council, agrees: "we are firmly committed to engaging in such public-private partnerships to enhance the resilience of food systems."

Get more information about CIMSANS, AgMIP, and the Climate Data Initiative online:

[CIMSANS](#)
[AgMIP](#)
[Climate Data Initiative](#)
[White House Press Release](#)



Are you part of the food system and/or are concerned about the world's ability to feed a growing population? Consider supporting CIMSANS and AgMIP. Contact CIMSANS director, Dave Gustafson to learn how you can become involved: dgustafson@ilsa.org.

More from CIMSANS

CIMSANS also has two new resources: a news/science update and a blog.

S+R Updates

The S+R Updates – where S and R stand for science and regulatory – are biweekly summaries of news and announcements, with links for more information.

Their focus is on climate change and nutrition security, but entries are not limited to these. Highlights of the most recent update include the USDA's new food and agriculture research foundation; water resources in China; and a legal discussion of technology

and nutrition security. Sign-up to get the updates by writing CIMSANS@ilsa.org or view them online: [S+R Updates](#)

CIMSANS Blog

Marie Latulippe, MS, RD, Senior Scientific Program Manager, has started hosting a new blog. In it, she shares what she and others experience while building an important new program. She often brings a nutritionist's perspective to the intertwined science of climate change and nutrition security. Marie also features guest writers.

Follow along: www.CIMSANS.org



A New ILSI Travel Award

Since being founded in 1978 by Dr. Alex Malaspina and a small group of academic and industry scientists, ILSI has been dedicated to fostering collaboration to improve science used to ensure human and environmental health and safety.

Recognizing the need to involve new academic scientists in its collaborative activities, ILSI is happy to announce the establishment of the Malaspina International Scholars Travel Award. This award will support travel for university-based scientists who are in an early stage of their careers to the ILSI Annual Meeting.

The scholars will participate in the scientific sessions at the ILSI Annual Meeting and meet public and private sector researchers from around the world. ILSI will maintain contact with the awardees following the annual meetings and encourage them to participate actively in future ILSI activities at the regional level and with each other.

continued on page 5

Grants Support Micronutrient Deficiency Research

Contributed by Geoffrey Smith, President, ILSI Southeast Asia Region and member, ILSI Board of Trustees

The Micronutrient Forum (MF) global conference on the importance of micronutrients in nutrition was held in Addis Ababa, Ethiopia in June this year. Nearly 1,000 participants from every continent engaged in the five-day conference, the first since 2009. The MF brings together researchers, program managers, and policy officials to share new developments, insights, and experience on the contributions of micronutrients to public health. Top experts shared science and practice. Keynote addresses were given by Francesco Branca, Director of Nutrition for Health and Development, WHO and Anna Lartey, Director, Nutrition Division, FAO.

ILSI Research Foundation provided awards for Early Career Contribution to Understanding of Micronutrient Deficiencies to “recognize PhD candidates or post-docs who have

already contributed to understanding on micronutrient deficiencies.” I was pleased to be able to present these awards (of a signed plaque and a grant of US\$1,500) at the gala dinner in Addis Ababa to Ms. Neha Sareen, a PhD candidate at the MS University of Baroda, India, and Dr. Elom Kouassivi Aglago from Togo, who recently graduated from the Ibn Tofail University, Morocco.

Ms. Sareen already has 23 coauthored publications in peer reviewed journals,
continued on page 5

The ILSI Research Foundation served as secretariat to the International Nutritional Anemia Consultative Group (INACG) and the International Vitamin A Consultative Group (IVACG) from 1984 to 2006. INACG and IVACG merged to form the Micronutrient Forum in 2006.

ILSI Research Foundation maintains an archive of publications, consensus statements, and meeting reports from its time as the INACG/IVACG secretariat. Documents span from 1994 to 2004. Online at: [INACG/IVACG](#)

Food Safety in South Africa

Sub-Saharan Africa is experiencing significant economic growth, which is a trend the International Monetary Fund predicts will continue. The region is emerging as an important area for agricultural export-import needing scientific support and collaboration.

At the Annual Meeting in January, the ILSI Board of Trustees agreed on the importance of efforts in sub-Saharan Africa to ensure safe and nutritious food production and distribution. ILSI South Africa, uniquely positioned to lead, in turn agreed to expand scope to include the entire sub-Saharan region and to help coordinate activities

planned under the ILSI banner. An initial event was held in June: a workshop on food safety at which experts gave talks on conducting risk assessment using the most up-to-date tools available and on harmonized food safety standards. Speakers also shared case studies on microbiological contamination and allergens.

Presentations are online: [Food Safety](#).

For more information about ILSI South African and the potential of sub-Saharan Africa, contact ILSI South Africa Executive Director, Prof Lucia Anelich: la@anelichconsulting.co.za.



Participants share perspectives at ILSI South Africa's June 2014 workshop on food safety risk assessment.

Nutrition Reviews®

Moves to #5 Spot



Nutrition Reviews' maintains the upward momentum of its impact factor. The ISI Journal Citation Reports from Thomson Reuters shows the journal's impact factor is now 5.541 – almost a full point from last year's 4.597.

This means Nutrition Reviews is now number 5 among 78 journals in the Nutrition & Dietetics category. Once again, we congratulate Editor Naomi Fukagawa and Managing Editor Allison Worden and the entire editorial team.

Celebrate by subscribing today! Nutrition Reviews

Free Virtual Issue

Nutrition Reviews offers another virtual issue – a special online-only collection of free articles. This issue – “Maternal and early life nutrition: how critical is it?” – focuses on the importance of nutrition during pregnancy and the first several months of infancy. Articles explore links between early malnutrition and metabolic syndrome later in life; physical activity and maternal obesity and pregnancy outcomes; nutrition and brain development; and maternal folate exposure and childhood asthma.

There is a total of seven articles in all, available online now: [Early Nutrition](#)

New Publications

ILSI Europe

Monitoring and Addressing Trends in Dietary Exposure to Micronutrients through Voluntarily Fortified Foods in the European Union

E Casala et al. *Trends in Food Science & Technology*, 2014

Limitations to food consumption surveys and composition databases are discussed while other approaches to monitor and evaluate dietary exposure to micronutrients are identified. Contact ILSI Europe for copies: publications@ilsieurope.be

ILSI North America

Cleaning and Sanitation of Salmonella-Contaminated Peanut Butter Processing Equipment

EM Grasso, et al. *Food Microbiology*, July 2014

The objective of the study summarized in this paper was to evaluate the efficacy of a cleaning and sanitation procedure to decontaminate pilot-scale peanut butter processing equipment harboring *Salmonella*. The paper is available for free online: [Salmonella](#)

Low-calorie sweeteners and body weight and composition: a meta-analysis of randomized controlled trials and prospective cohort studies

Miller and Perez, *American Journal of Clinical Nutrition*, August 2014

This paper systematically reviews and quantitatively evaluates randomized controlled trials and prospective cohort studies that examined the relation between low-calorie sweeteners and body weight and composition.

Get a PDF of the paper here: [LCS](#)



Publications (continued from previous page)

ILSI North America

Dietary Acrylamide and Human Cancer: A Systematic Review

MK Virk-Bakera et al. *Nutrition and Cancer*, May 2014

This article outlines a systematic review of dietary acrylamide and human cancer, acrylamide exposure and internal dose, exposure assessment methods in the epidemiologic studies, existing data gaps, and future directions.

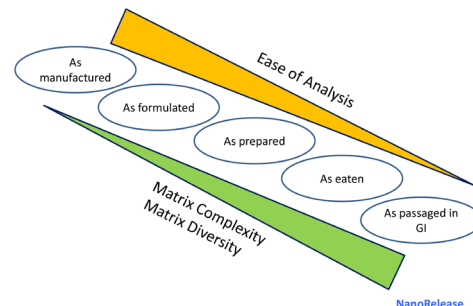
This paper is available to journal subscribers or for purchase:

[Acrylamide](#)

ILSI Research Foundation Center for Risk Science Innovation and Application (RSIA)

RSIA, in collaboration with ILSI North America, is pleased to announce the publication of a set of papers on nanotechnology and the food supply. Seven articles provide an overview of what is known now, review methods to detect and evaluate nanomaterials in foods, and discuss future prospects and challenges.

These papers are open access and available online at: [Nano Publications](#)



The series of papers on nanomaterials in the food supply are part of RSLA's extensive program on nanotechnology. You can learn more about the program and its activities online: [RSLA Nanotech](#)

Travel Award (continued from page 3)

ILSI branches will nominate candidates for the Malaspina International Scholars Travel Award. Nominees should hold full time appointments at recognized academic institutions and be working in one of the following areas – nutrition, food safety, toxicology, risk assessment, or the environment.

This travel award was made possible by a generous grant from The Coca-Cola Company.

For information about qualifications and the application process, please contact ILSI's Executive Director, Suzanne Harris, PhD: sharris@ilsa.org.



Micronutrients (continued from page 3)

including most recently a study on iodine status of pregnant women published in *Public Health Nutrition*. While working on her PhD she works as a dietician at the All India Institute of Medical Sciences. She presented two posters at the MF, one on her iodine work and the other on iron and zinc analysis of raw and cooked millet.

Dr. Aglago graduated earlier this year with a PhD in Nutrition and Food Science. Among his recent papers is a study on the efficacy of a multiple micronutrient fortified milk on the cognitive performance of school-aged children, published in *Annals of Nutrition and Metabolism*. At the MF, Dr. Aglago presented his findings on a comparison of the iCheck portable unit with HPLC for detection of serum retinol.

Both awardees were very appreciative of the ILSI award, and said they were inspired to further excellence in micronutrient research.



Above: Geoffrey Smith presents the ILSI grant award to Dr. Aglago. Below: Ms. Sareen.

Upcoming Meetings

ILSI Southeast Asia Region Conference on The Gut, Its Microbes and Health New Knowledge and Applications for Asia 8 – 9 October, Singapore



ILSI Southeast Asia Region has organized a state-of-the-science event on the importance of the intestinal microbiome for disease prevention and personalized health care regimes. The conference will give attendees a comprehensive overview of what is known and of future directions in this area of health and well-being.

Program topics include (among others):

- gut physiology and microbiota throughout the lifecycle
- natural variation in the gut microbiome
- Environmental factors affecting the microbiome
- Functional foods and gut health
- Biomarkers

Early, discounted registration ends on 31 August and abstract submissions are due by 1 September.

Find out more about the program and speakers, and register online now to save at: [Gut Health](#)

One ILSI Projects (continued from page 1)

Food Safety (continued)

The second food safety project builds on ILSI's proven ability to build technical capability at the regional and local level. In this project, ILSI branches and the ILSI Research Foundation will collaborate with the World Bank Global Food Safety Partnership to develop and administer training modules for university-based academics, government health officials, and trade officials.

Although exact topics are still to be determined, the modules will cover a variety of food safety issues, including but not limited to safe handling (farm to table), food contamination assessment and monitoring which relies on the latest risk assessment tools and techniques, risk communication, and more. For more information and to become involved contact: Keng Ngee Toeh: kengngee@ilsisea.org.sg.

Risk Science and Toxicology

A Risk Science Forum is being established to facilitate inter-branch exchange of interests and available resources related to risk science and toxicology. A series of web-based training opportunities will be developed

to help conceive of, design, and execute state-of-the-science conferences and workshops tailored to regional or country-specific needs. ILSI Health and Environmental Sciences Institute (HESI) is taking the lead on this One ILSI project. For more information, contact Michelle Embry, PhD: membry@hesiglobal.org.

Nutrition, Health and Wellness

The One ILSI project with the nutrition, health and wellness thematic area focuses on the aging process and healthy aging. A thorough proposal prepared by ILSI Southeast Asia Region asks the question "What factors contribute to healthy vs. pathological aging in countries across regions and with varying levels of economic development?" The proposal then calls for an extensive, multi-country review of the literature to document existing evidence regarding positive (e.g. traditional foods/dietary patterns/practices that enhance health) or negative (e.g., stress, lifestyle etc.) factors that influence the aging process.

The goal is to answer questions such as: How do high- and low-income countries

differ in terms of these factors? How can healthy longevity be achieved and extended? How can countries minimize the impact of population aging and achieve healthy and successful aging?

Several ILSI branches in Asia and Latin America will collaborate on this project. For more information, contact Boon Yee Yeong: boonyee@ilsisea.org.sg.

Sustainable Agriculture and Nutrition Security

Though largely a new area of focus for ILSI, interest in the science needed to ensure long-term sustainable agriculture and nutrition security is growing quickly. The Research Foundation Center for Integrated Modeling for Sustainable Agriculture and Nutrition Security (CIMSANS) recently published a paper on how to go about assessing sustainable nutrition security. As a first step in a One ILSI project, ILSI branches will collect available datasets in their region or country that can be used to conduct such assessment. Contact Marie Latulippe, MS, RD, for more information: mlatulippe@ilsa.org. You can read the CIMSANS publication online: [Sustainable Nutrition](#).

More Meetings

Nutrition and Healthy Aging

13th ILSI Brasil International Workshop on Functional Foods
23 – 24 October 2014
São Paulo, Brasil

ILSI Brasil is hosting its 13th workshop in its successful workshop series on functional foods. This event focuses on nutrition and health aging (a One ILSI project theme!) and will explore topics such as:

- nutrition and brain health protein, amino acids, and sarcopenia
- calcium, vitamin D, and osteoporosis
- the immune system as it ages
- the microbiome and aging
- physical activity and the elderly
- and more

A detailed program and registration information in Portuguese and English is available online at: [Healthy Aging](#)



ILSI 2015 Annual Meeting

16 - 21 January 2015

Sheraton Wild Horse Pass Resort & Spa
 Chandler, Arizona, USA (Phoenix metropolitan area)

Annual Meeting is the premier event each year where member representatives, trustees, science advisors, and staff from the ILSI global network come together to discuss the latest science and outline collectively how ILSI can make a difference.

This year ILSI, ILSI Research Foundation, and ILSI North America are organizing sessions on caffeine; the microbiome and health; exposure data for food risk assessment; and more.

Get more program information as it becomes available online. Registration will open in early September: [ILSI Annual Meeting](#)



Calendar of Events

ILSI HESI Series of Sessions at Eurotox 2014

7 – 10 September
 Edinburgh, United Kingdom
 For more information: [HESI Eurotox](#)

ILSI Europe Session on Non-Intentionally Added Substances at Eurotox 2014

10 September 2014
 Edinburgh, United Kingdom
 For more information: [NIAS](#)

GEOSHARE Workshop and Improved Modeling Summit

10 – 12 September 2014
 West Lafayette, Indiana, USA
[Workshop Announcement](#)

The Gut, Its Microbes and Health

8 – 9 October 2014
 Singapore
 For more information: [Gut Health](#)

Workshop on Immunomodulators and Cancer Risk Assessment

20 – 21 October 2014
 Silver Spring, Maryland, USA
 Program details at: [Cancer Risk](#)

Nutrição e Envelhecimento Saudável (Nutrition and Healthy Aging)

23 – 24 October 2014
 São Paulo, Brasil
 More information in Portuguese and English: [Healthy Aging](#)

Workshop "Hazard vs. Risk-Based Approaches in Food Safety Assessment"

2 December 2014
 Brussels, Belgium
 For more information: [Food Safety](#)

ILSI Annual Meeting

16 – 21 January 2015
 Chandler, Arizona, USA
 For more information: [Annual Meeting](#)

Check our online calendar for updates: [ILSI Events](#)