POSITIONING WOMEN’S NUTRITION AT THE CENTRE OF SUSTAINABLE DEVELOPMENT

MICRONUTRIENT FORUM GLOBAL CONFERENCE / 24-28 OCTOBER, 2016
CANCÚN, MEXICO
ABOUT THE MICRONUTRIENT FORUM

The Micronutrient Forum (MN Forum) serves as a global catalyst and convener for sharing expertise, insights and experience relevant to micronutrients in all aspects of health promotion and disease prevention, with special emphasis on the integration with relevant sectors.

The primary objective of the MN Forum is to foster dialogue among the research, policy, clinical, program and private sector communities to facilitate the translation of evidence for policy and program planning, and to inform research needs and priorities based on evidence gaps to support programs.

Our vision is a world in which all people have access to essential micronutrients at levels needed to promote health and prevent disease.


Presently the Micronutrient Forum is built on a broad foundation of technical and financial support. Leadership is provided by the International Steering Committee of about 15 individuals actively involved in issues related to micronutrients from academia and diverse normative, policy and implementing organizations across the globe. Coordination is provided by a Secretariat currently hosted by the Micronutrient Initiative in Ottawa, Canada.
...goes the saying that should go without saying in 2016. By investing in women and girls’ nutrition, communities and countries do better. Simply put, women and girls deliver! Improving nutrition is only possible when girls and women are leading the charge, making it not just the right thing to do, but also the smart thing to do. To obtain the world we want, we have to recognize that the virtuous circle of a better future starts with the girl child. This is why the SUN Movement Strategy and Roadmap 2016-2020, as well as many countries, agencies and communities, put girls and women at the heart of all action, everywhere.

GERDA VERBURG
United Nations Assistant Secretary-General, Coordinator of the Scaling up Nutrition (SUN) Movement and Keynote Speaker at the Micronutrient Forum Global Conference 2016
DEAR COLLEAGUES,
On behalf of the Micronutrient Forum’s International Steering Committee, I am honoured to welcome you to the 4th Micronutrient Forum Global Conference.

In Cancún, we anticipate the participation of over 700 delegates from 73 countries, representing 336 organizations covering a wide range of sectors involved in research, program delivery, policy, advocacy, business and philanthropy.

The 2016 conference marks the Forum’s first visit to Latin America. Mexico was the chosen location in recognition of its achievements in addressing micronutrient deficiencies at the population level, and because of its commitment to the design and implementation of evidence-based public health policies and programs. At the same time, Mexico, like many countries around the world, continues to strive to eliminate micronutrient malnutrition, while simultaneously addressing the growing challenge of obesity and related non-communicable disease.

While maintaining the broad interest in all aspects of micronutrients, the theme for this year’s gathering will focus on women’s nutrition.

Women, often the gatekeepers of food choice and preparation in the home, are a focus for many nutrition interventions, and key partners in the delivery of programs—for children, families and communities. The health and well-being of women and girls are, consequently, critical to achieving several of the Sustainable Development Goals.

The time has come to better understand the burden, the context and the most innovative and effective solutions to improve policy, and the design and delivery of programs, for the increased equity, survival, health and well-being of women and girls.

We have worked hard to build a relevant and engaging program that continues the Micronutrient Forum’s mandate to bridge scientific discovery and program delivery. We look forward to your active engagement, and to meeting many of you over the next week!

DR. LYNETTE NEUFELD
Chair,
Micronutrient Forum International Steering Committee

WELCOME,
I am delighted to welcome you to Cancún, Mexico to participate in the Micronutrient Forum Global Conference 2016.

Being the first time that the Global Conference takes place in Latin America, Mexico was chosen as the host country because it has had significant achievements in combating micronutrient deficiencies in children and women through government-sponsored programs such as PROSPERA (formerly Oportunidades) and Liconsa, with participation from different government and non-government organizations. Despite advances achieved as a result of these programs, Mexico continues to have an unacceptably high prevalence of micronutrient deficiencies. Therefore, this conference is very pertinent for the improvement of the mission-oriented research that informs the programs focused on reducing micronutrient deficiencies in the country.

It’s gratifying to see that many of you have traveled long distances to join us this week to share your experiences.

On behalf of the Local Organizing Committee, thank you for coming. It’s a pleasure to have you here! ¡Saludos!

DR. JUAN ANGEL RIVERA DOMMARCO
Chair,
Micronutrient Forum Global Conference 2016
Local Organizing Committee
MICRONUTRIENT FORUM INTERNATIONAL STEERING COMMITTEE

Dr. Lynnette Neufeld (Chair)  
Global Alliance for Improved Nutrition (GAIN)

Dr. Rafael Flores-Ayala (Co-Chair)  
U.S. Centers for Disease Control and Prevention (CDC)

Dr. Luz Maria De-Regil (Co-Chair)  
Micronutrient Initiative (MI)

Dr. Lindsay Allen  
UDSA-ARS Western Human Nutrition Research Center (WHNRC)

Dr. Howarth Bouis  
HarvestPlus, International Food Policy Research Institute (IFPRI)

Dr. Kenneth Brown  
Bill & Melinda Gates Foundation (BMGF)

Dr. Ian Darnton-Hill  
University of Sydney/Tufts University

Dr. Juan Angel Rivera Dommarco  
National Institute of Public Health (INSP), Mexico

Dr. Klaus Kraemer  
Sight and Life

Dr. Katharine Kreis  
PATH

Dr. Roland Kupka  
United Nations Children’s Fund (UNICEF)

Dr. Daniel Raiten  
National Institutes of Health (NIH)

Dr. Marie Ruel  
International Food Policy Research Institute (IFPRI)

Dr. Emorn Udomkesmalee  
Mahidol University, Thailand

PROGRAM WORKING GROUP

We would like to thank the following individuals who helped develop the Cancún 2016 Micronutrient Forum Conference Program:

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Program Co-ordinator

Dr. Parminder A. Suchdev  
Emory University and the U.S. Centers for Disease Control and Prevention (CDC)  
Track 1 Chair

Dr. Lindsay Allen  
UDSA-ARS Western Human Nutrition Research Center (WHNRC)  
Track 2 Chair

Dr. Rolf Klemm  
Helen Keller International (HKI) and Johns Hopkins University (JHU)  
Track 3 Chair

Dr. Klaus Kraemer  
Sight and Life  
Track 4 Chair

Dr. Seth Adu-Afarwuah  
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World Food Programme (WFP)

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Dr. Helena Pachon  
Food Fortification Initiative (FFI)
LOCAL STEERING COMMITTEE

Dr. Juan Angel Rivera Dommarco
National Institute of Public Health (INSP), Mexico, Chair

Dr. José Alberto García Aranda
Infantil de México Federico Gómez

Dr. Anabelle Bonvecchio
National Institute of Public Health (INSP), Mexico, Vice-Chair

Dr. Hector Bourges
Nacional de Ciencias Médicas y Nutrición Salvador Zubirán (INCMNSZ)

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Ms. Jannelly Gómez
Asociacion Mexicana de Miembros de Facultades y Escuelas de Nutricion (AMMFEN)

Mr. Timoteo Camilo Hdez
Liconsa

Dr. Teresa Murugia
Instituto Nacional de Perinatología

Ing. Paula Angelica Hernández Olmos
PROSPERA Program

Mr. Roberto Paulo Orozco
Asociación Jalisciense de Nutrición (ITESJ)
OVERVIEW
The Micronutrient Forum Global Conference to be held in Cancún, Mexico, from October 24 – 28, 2016 (with one additional day of Symposia on October 23) is the fourth gathering of the international community since the Forum’s founding in 2006. We are welcoming over 700 participants from 73 countries and 336 organizations around the world.

This year’s event will take place at the Cancún International Convention Center, Boulevard Kukulcán KM. 9 1er Piso, Zona Hotelera, 77500 Cancún, Q. Roo.

SCIENTIFIC PROGRAM
The conference has organized 46 sessions on a wide range of topics relevant to micronutrient research, program delivery, policy-making and resourcing, featuring over 200 speakers.

The sessions are divided into four tracks:
- **Track 1:** Measuring and interpreting information on micronutrient status and program coverage
- **Track 2:** Effects of micronutrient interventions on indicators and functional outcomes
- **Track 3:** Scaling up micronutrient interventions in vulnerable populations: bridging the gaps between evidence and implementations
- **Track 4:** Transforming the enabling environment to forge a future for micronutrients — what will it take?

POSTER PRESENTATIONS
Over 500 posters will be presented — half on Tuesday and Wednesday and the other half on Thursday and Friday — in the exhibition area outside the Gran Cancún plenary room on the third floor of the Convention Center. The presenters will be attending their posters and available for questions between 1:00 – 2:00 pm each day (Tuesday – Friday). There will be a reception for poster presenters on Tuesday evening at 7:00 pm.

LEARNING CENTRES
The learning centres offer a unique opportunity for a one-on-one guided experience. Each session will be led by a multi-disciplinary team of experts. These sessions take place throughout the duration of the conference. Please refer to the program schedule starting on page 15 for more information.

Organizations leading the learning centres include:
- Cornell University
- Global Alliance for Vitamin A (GAVA)
- Global Alliance for Improved Nutrition (GAIN)
- Global Alliance for Improved Nutrition (GAIN) Canada and Amway
- The Home Fortification Technical Advisory Group (HF-TAG)
- Micronutrient Initiative (MI)
ABOUT THE CONFERENCE

National Institute of Public Health (INSPI), Mexico
PATH
United Nations Children’s Fund (UNICEF)
U.S. Centers for Disease Control and Prevention (CDC)
World Health Organization (WHO)

EDUCATIONAL VISITS
Attendees at the conference will have the opportunity to visit local primary health care centres where the world-renowned PROSPERA program takes place, witnessing face-to-face interactions between the health care staff and the program’s beneficiaries. Translation from Spanish into English will be provided.

The visits are three hours in length, taking place on Tuesday and Thursday from 10:00 am to 1:00 pm. Five groups of nine individuals will be taken to five different centres. Participants are asked to meet in the lobby of the Convention Center at 9:00 am, and will be directed to the transportation waiting outside. Wear comfortable clothing, bearing in mind the cultural norms of Mexico, and bring water. Specific instructions regarding photography will be given on-site.

The Micronutrient Forum is grateful to the Government of Mexico, which runs the PROSPERA program, for providing this opportunity.

The PROSPERA program develops and coordinates social policy initiatives to improve education, health, nutrition, productivity, income generation and economic wellbeing for citizens existing in a state of extreme poverty.

SYMPOSIA SPONSORS
In addition to the scientific program, the Micronutrient Forum has invited organizations to offer their own sessions, enriching and diversifying the Conference experience for all attendees. Consult the full schedule for more details about the topics, times and locations of the sponsored symposia.

The following organizations will be participating in these sessions:
Bill & Melinda Gates Foundation
DSM
Food Fortification Initiative (FFI)
GIZ GmbH
Global Alliance for Improved Nutrition (GAIN)
Global Nutrition Report (GNR)
ABOUT THE CONFERENCE

SYMPOSIA SPONSORS CONTINUED

The Home Fortification Technical Advisory Group (HF-TAG)
HarvestPlus
Iodine Global Network (IGN)
International Atomic Energy Agency (IAEA)
International Food Policy Research Institute (IFPRI)
Micronutrient Initiative (MI)
Rainer Gross Award
Scaling Up Nutrition Movement (SUN)
Sight and Life
Sociedad Latinoamericana de Nutrición (SLAN) and Instituto de Nutrición de Centro América y Panamá (INCAP)
Society for Implementation in Nutrition (SISN)
Strengthening Partnerships, Results, and Innovation in Nutrition Global Policy (SPRING)
Tufts University
Nutrition Leadership Programmes
United Nations Children’s Fund (UNICEF)
University of California, Davis
Vitamin Angels
World Food Programme (WFP)
World Health Organization (WHO)

EXHIBITORS

The exhibitors’ booths are located in the exhibition area outside the Gran Cancún plenary room on the third floor of the Convention Center. We value the support of the exhibitors and encourage you to visit them and take advantage of their activities and resources.

EXHIBITORS INCLUDE:

Sight and Life
BioAnalyt GmbH
Global Alliance for Improved Nutrition (GAIN)
Quansys Biosciences
HarvestPlus
Nutriset
BASF SE
DSM Brazil
The Hospital for Sick Children (Sick Kids)
Micronutrient Forum
Micronutrient Initiative (MI)
ABOUT THE CONFERENCE

AWARDS AND CONTESTS
The Micronutrient Forum will present three awards during the conference:

- Career Achievement in Evidence Translation Award (sponsored by the Mathile Institute for the Advancement of Human Nutrition)
- Hidden Hero of Hidden Hunger Award: Dr. Guillermo Arroyave (sponsored by the Inter-American Development Bank)
- Early Career Awards (2) (sponsored by the International Life Sciences Institute)

In addition, two other organizations will be presenting awards:

The Hildegard Grunow Foundation (HGF) will announce the winner of the Rainer Gross Prize to one whose work in developing societies probes outside the mainstream of conventional thought, and innovates our understanding in applied nutrition.

Sight and Life will announce the winner of the Elevator Pitch Contest: The Future of Micronutrient Innovation. This individual will share their idea with the conference attendees in a one-minute presentation.

SOCIAL EVENTS AND RECEPTIONS
Conference participants will be offered a number of opportunities to gather socially. Highlights include the welcome reception on Monday evening at 7:00 pm and the Poster Presenters’ reception Tuesday evening at 7:00 pm.

The Gala Dinner will be held on Wednesday night starting at 7:00 pm at the Iberostar Hotel. Dress is smart casual. Shuttles will depart from the Convention Center between 6:30 pm and 7:30 pm. The journey to the hotel will take 15 minutes. Shuttles will return participants from the hotel to the Convention Center between 9:30 pm and 11:30 pm.

PRACTICAL INFORMATION
BADGE PICKUP / ON-SITE REGISTRATION
Check-in and day registrations take place between 8:00 am and 7:00 pm from October 23 – 28 at the registration desk on the main floor of the Cancún International Convention Center, Boulevard Kukulcán KM. 9 1er Piso, Zona Hotelera, 77500 Cancún, Q. Roo.

MICRONUTRIENT FORUM INFORMATION BOOTH
For information and assistance please visit us at the Forum booth in the exhibitors’ area outside the Gran Cancún plenary room on the third floor of the Convention Center.

LACTATION FACILITIES
A lactation room will be available in Xcaret 3 on the second floor of the Convention Center.

SOCIAL MEDIA
Reach out to the international community by sharing your experience at the Micronutrient Forum Global Conference in social media.

Tweet your “aha!” moments in your own channels, re-tweet from @MNForum and share on Facebook and LinkedIn
Twitter: @MNForum
Hashtag: #mnforum2016
Facebook: Micronutrient Forum

MEDIA INQUIRIES
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TRAVELER PROTECTION GUIDELINES FOR THE ZIKA VIRUS
The U.S. Centers for Disease Control and Protection has provided guidance here:

IN CASE OF EMERGENCY
In the event of an emergency, safety instructions for conference participants will be provided at the Micronutrient Forum booth on the third floor of the Convention Center, as well as in the following channels:
Twitter: @MNForum
Facebook: Micronutrient Forum

Emails updates will also be sent to all Conference participants.

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Program Assistant
THE MICRONUTRIENT FORUM WOULD LIKE TO GRATEFULLY ACKNOWLEDGE THE GENEROSITY OF THE FOLLOWING ORGANIZATIONS:

MICRONUTRIENT FORUM CORE DONORS

- Bill & Melinda Gates Foundation
- Micronutrient Initiative
- NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development

MICRONUTRIENT FORUM GLOBAL CONFERENCE 2016 SPONSORS

GOLD

- Nutriset
- Sight & Life

SILVER

- GAIN Global Alliance for Improved Nutrition
- UNICEF

AWARD SPONSORS

- The Mathile Institute for the Advancement of Human Nutrition
- IDB
- ILSI

The Micronutrient Forum would like to thank the Government of Mexico for its generous assistance, especially: Programa Inclusión Social — PROSPERO; Secretaria de Desarrollo Social (SEDESOL); Secretaria de Salud (SSA); Gobierno de Quintana Roo.
OVERVIEW

SUNDAY 23

SPONSORED SYMPOSIA
8:30 TO 12:30
- Initiatives to address data gaps in nutrition/Micronutrient Initiative (MI-TAN), Scaling Up Nutrition Movement (SUN) Secretariat, and the Bill & Melinda Gates Foundation (BMGF)

10:30 TO 12:00
- Nutrition-sensitive programming: addressing the underlying determinants of malnutrition in Ecuador, Honduras and the Dominican Republic. Key examples of the WFP work in the region/World Food Programme (WFP)
- The responsibility of industry in public health nutrition/DSM

2:00 TO 3:30
- Use of economic optimization modeling to design and manage micronutrient intervention strategies: recent model and policy engagement results/University of California, Davis
- Stories of change in nutrition/International Food Policy Research Institute (IFPRI)

4:00 TO 5:30
- Stable isotope techniques help optimal formulation and impact assessment of food fortification programs/International Atomic Energy Agency (IAEA)
- A new global repository for food fortification: helping to map and track food fortification efforts globally/Global Alliance for Improved Nutrition (GAIN), Iodine Global Network (IGN), Food Fortification Initiative (FFI) and the Micronutrient Forum
- Positioning women at the center for successful nutrition outcomes: innovative case studies from Colombia, Laos and Malawi/ World Food Programme (WFP)

5:30 TO 7:00
- Identifying gaps, challenges and innovative solutions in program planning, implementation and monitoring for 2016-2020/The Home Fortification Technical Advisory Group (HF-TAG)
- Approaches to prevent and control anemia: examples of global, national, district and community efforts/SPRING

MONDAY 24

8:30 TO 12:00
- Tackling the needs of women and children during the first 1000 days through an integrated agriculture nutrition health intervention (MAMA SASHA) using biofortified sweet potato/International Food Policy Research Institute (IFPRI)

8:30 TO 10:00
SPONSORED SYMPOSIA
- Use of female community health volunteers (FCHV) as an effective strategy to improve coverage of micronutrient programs in Nepal: Celebrating success of 45 years of micronutrient programs/United Nations Children’s Fund (UNICEF)
- Leveraging a proven approach to achieve large scale deployment of multi-micronutrient supplements to pregnant, nutritionally at risk, hard-to-reach women/Vitamin Angels

10:30 TO 12:00
SPONSORED SYMPOSIA
- Iron and folic acid interventions in malaria endemic areas/World Health Organization (WHO) and the Micronutrient Initiative (MI)
- Market-based approaches to reduce micronutrient deficiencies in women of reproductive age and children—experiences from Ghana/GIZ GmbH

LEARNING CENTRE
- Mapping the multiple burden of malnutrition: your digital resource/Global Alliance for Improved Nutrition (GAIN)
- Canada and Amway

2:00 TO 3:30
SPONSORED SYMPOSIA
- Elimination of IDD from the Americas: a public health triumph/Global Alliance for Improved Nutrition (GAIN), Iodine Global Network (IGN), Food Fortification Initiative (FFI), and the Micronutrient Forum
- Implementation research to improve implementation outcomes (coverage, adherence, quality, and equity) of micronutrient/nutrition programs and policies/Sight and Life and the Society for Implementation Science in Nutrition (SISN)
- Women’s Nutrition Now: improving access to health and nutrition for pregnant women/Micronutrient Initiative (MI)

4:00 TO 5:30
OPENING CEREMONY

5:30 TO 7:00
WELCOME RECEPTION
## OVERVIEW

**TUESDAY–FRIDAY**

30 MINUTE COFFEE BREAKS AT 10:00 AM AND 3:30 PM
LUNCH FROM 12:00 TO 1:00

### TUESDAY 25

**8:30 TO 10:00**

**OPENING KEYNOTE**
- Better nutrition: translating commitments into results and impact/Ms. Gerda Verburg, United Nations Assistant Secretary-General and Coordinator of the Scaling up Nutrition [SUN] Movement

**10:30 TO 12:00**

**PLENARY**
- Positioning women’s nutrition at the center of sustainable development

**1:00 TO 2:00**

**LEARNING CENTRE**
- Measurement issues associated with biological and food specimen collection and analysis in household surveys/U.S. Centers for Disease Control and Prevention (CDC)
- Poster Presentations

**2:00 TO 3:30**

**CONCURRENT SESSIONS**
- New biomarkers/indicators for assessing micronutrient status in population-based surveys
- Micronutrients in breastmilk and relationships to maternal and infant status
- Zinc intervention trials
- The food environment as a determinant of optimal dietary consumption
- Country ownership and leadership in working with multiple actors to promote policies, enable innovation and fund effective national micronutrient strategies
- Transformational leadership

**4:00 TO 5:30**

**CONCURRENT SESSIONS**
- Global coverage of micronutrient interventions
- Interventions to increase micronutrients in breast milk
- Filling the data void in nutrition surveillance
- How has the arrival of the SDGs changed financing for nutrition?
- Climate change and micronutrient nutrition

**5:30 TO 7:00**

**SPONSORED SYMPOSIA**
- The future of micronutrient innovation: Elevator Pitch Contest/Sight and Life
- Progress in scaling up biofortification/ HarvestPlus
- Optimal red blood folate concentration in women of reproductive age for prevention of neural tube defects: new guidelines and applications in low, medium and high income countries/World Health Organization [WHO] and U.S. Centers for Disease Control and Prevention (CDC)
- Rainer Gross Award

7:00

- **POSTER PRESENTATIONS AND COCKTAIL RECEPTION**
- **Deep Dive**
- Opening Ceremony, Welcome Reception, Gala Dinner
- Mexico and Latin American Focus
- Keynotes
- Sponsored Symposia
- Learning Centres
- Poster Presentations

### WEDNESDAY 26

**8:30 TO 10:00**

**PLENARY**
- Use of evidence for the design and improvement of programs: Mexican experience

**10:30 TO 12:00**

**CONCURRENT SESSIONS**
- Advances in program monitoring
- Micronutrient interventions to improve child development
- Effectiveness of large scale fortification
- Navigating vitamin A supplementation (VAS) decisions in different contexts
- Adolescent nutrition: achievements, challenges and future actions
- Ensuring high coverage and quality of micronutrient interventions
- Interventions: what is needed from the health system?

**1:00 TO 2:00**

**LEARNING CENTRE**
- Contributions of civil society organizations (CSO) in generating evidence for nutrition-specific and nutrition-sensitive interventions: what it takes to conduct an impact evaluation in local settings, challenges, and lessons learned
- Poster Presentations

**2:00 TO 3:30**

**PLENARY**
- Updated prevalence of anemia, iron deficiency and vitamin A deficiency in settings of inflammation and globally: key findings from the BRINDA project

**4:00 TO 5:30**

**CONCURRENT SESSIONS**
- Vitamin D in pregnancy and infancy: implications for maternal and child health
- Effects of iron supplementation on malaria and the gut microbiome
- Should there be regional guidelines for newborn vitamin A supplementation?
- Meeting micronutrient needs during emergencies
- What works to improve infant and young child nutrition practices
- Effective policies and delivery platforms to reach women of reproductive age

7:00

**GALA DINNER**
OVERVIEW

THURSDAY 27

8:30 TO 10:00
PLENARY
- Transforming the enabling environment to forge a future for micronutrients—what will it take?

10:30 TO 12:00
CONCURRENT SESSIONS
- New technologies for assessment of micronutrient status
- Risk benefit of micronutrient interventions
- Innovations in nutrition sensitive programs to address micronutrient deficiencies: design, implementation and effectiveness
- Economics of demand
- Micronutrients in the context of the nutrition transition

SPONSORED SYMPOSIA
- Recognition of the work of Dr. Guillermo Arroyave and Dr. Fernando Viteri/Sociedad Latinoamericana de Nutrición (SLAN) and Instituto de Nutrición de Centro América y Panamá (INCAP)
- Building the global roadmap for scaling up rice fortification/World Food Programme (WFP)

1:00 TO 2:00
LEARNING CENTRE
- Interactive demonstration of new tools and resources to implement and monitor micronutrient programs/U.S. Centers for Disease Control and Prevention (CDC), United Nations Children’s Fund (UNICEF), Home Fortification Technical Advisory Group (HF-TAG), Global Alliance for Vitamin A (GAVA), Micronutrient Initiative (MI), World Health Organization (WHO), and the Global Alliance for Improved Nutrition (GAIN)
- Poster Presentations

2:00 TO 3:30
PLENARY
- Have micronutrient powder programs scaled up too quickly (have the programs come before the evidence)? — Debate

CONCURRENT SESSIONS
- New technologies for delivering micronutrients
- New efficacy trials of biofortified crops — beyond biomarkers
- Effectiveness of home fortification programs
- Are we talking the language to turn evidence into policy and programs?
- The critical role of capacity for delivering micronutrient interventions

FRIDAY 28

8:30 TO 10:00
PLENARY
- Implementation science in nutrition: purposes, forms, functions and country examples

10:30 TO 12:00
CONCURRENT SESSIONS
- Dietary assessment re-imagined using individual dietary intake data for program baseline and impact assessment
- Iodine nutrition during perinatal period and early childhood
- What’s stopping you? Addressing barriers to food fortification implementation success
- Scaling up micronutrient interventions to reach the Global Nutrition Targets: what are the costs, benefits, and sustainable financing options?
- Opening the door to the next generation of partnerships
- Intervention mix: determining policies with and without data

12:00 TO 2:00
SPONSORED SYMPOSIA

LEARNING CENTRE
- Positioning qualitative research as a key element of implementation research. Key challenges and opportunities/National Institute of Public Health Mexico (INSP), Global Alliance for Improved Nutrition (GAIN), and Cornell University

1:00 TO 2:00
Poster Presentations

2:00 TO 3:30
PLENARY
- Bridging discovery and delivery: future directions for the Micronutrient Forum

4:00 TO 5:30
KEYNOTE AND CLOSING CEREMONY
- Dr. Lawrence Haddad, Global Alliance for Improved Nutrition (GAIN); Dr. José Narro Robles, Federal Secretary of Health, Mexico
## SUNDAY

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<td><strong>5:30 TO 7:00</strong></td>
<td><strong>SYMPOSIUM</strong></td>
</tr>
<tr>
<td></td>
<td>Strengthening Partnerships, Results, and Innovation in Nutrition Globally (SPRING)</td>
</tr>
</tbody>
</table>
# Micronutrient Forum Global Conference 2016
October 24-28, 2016  Cancún, Mexico
www.micronutrientforum.org  Positioning women’s nutrition at the centre of sustainable development

---

**MONDAY**

### 8:30 TO 10:00  ROOMS ↓

**SPONSORED SYMPOSIA**

<table>
<thead>
<tr>
<th>EVENT</th>
<th>DESCRIPTION</th>
<th>ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Nations Children’s Fund (UNICEF)</td>
<td>Use of female community health volunteers (FCHV) as an effective strategy to improve coverage of micronutrient programs in Nepal: celebrating success of 45 years of micronutrient programs</td>
<td>COZUMEL 4</td>
</tr>
<tr>
<td>Vitamin Angels</td>
<td>Leveraging a proven approach to achieve large scale deployment of multi-micronutrient supplements to pregnant, nutritionally at risk, hard-to-reach women</td>
<td>COZUMEL 2</td>
</tr>
</tbody>
</table>

### 10:30 TO 12:00  ROOMS ↓

**LEARNING CENTRE**

<table>
<thead>
<tr>
<th>EVENT</th>
<th>DESCRIPTION</th>
<th>ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Alliance for Improved Nutrition (GAIN) Canada and Amway</td>
<td>Mapping the multiple burden of malnutrition: your digital resource</td>
<td>COZUMEL 2</td>
</tr>
<tr>
<td>Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ GmbH)</td>
<td>Market-based approaches to reduce micronutrient deficiencies in women of reproductive age and children — experiences from Ghana</td>
<td>COZUMEL 4</td>
</tr>
</tbody>
</table>

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Simultaneous translation available for this session (Spanish/English)  La traducción simultánea está disponible en esta sesión (Inglés/Español)

*TRACK 1* Measuring and interpreting information on micronutrient status.

*TRACK 2* Effects of micronutrient interventions on indicators and functional outcomes.

*TRACK 3* Scaling up micronutrient interventions in vulnerable populations: bridging the gaps between evidence and implementations.

*TRACK 4* Transforming the enabling environment to forge a future for micronutrients — what will it take?

- Deep Dive
- Opening Ceremony, Welcome Reception, Gala Dinner
- Mexico and Latin American Focus
- Keynotes
- Sponsored Symposia
- Learning Centres
- Poster Presentations
MONDAY

4:00 TO 5:30  RM: GRAN CANÚN

OPENING CEREMONY

WORDS OF WELCOME

Dr. Juan Angel Rivera Dommarco
Chair, Micronutrient Forum
Global Conference 2016
Local Organizing Committee

Mr. Joel Spicer
President, Micronutrient Initiative (MI), Host organization of the Micronutrient Forum Secretariat

Dr. Lynnette Neufeld
Micronutrient Forum International Steering Committee

Dr. Mauricio Hernández
Director,
National Institute of Public Health (INSP), Mexico

OPENING MESSAGE AND CEREMONY

Ing. Paula Angelica Hernández Olmos
National Coordinator,
PROSPERA Program

Use of evaluation data to revise the PROSPERA program

5:30 TO 7:00  RM: GRAN CANÚN

WELCOME RECEPTION
Micronutrient Forum Global Conference 2016
October 24-28, 2016  Cancún, Mexico
www.micronutrientforum.org Positioning women's nutrition at the centre of sustainable development

TUESDAY

→ PLENARY / EARLY MORNING

8:30 TO 10:00  RM: GRAN CANÚN

OPENING KEYNOTE
MODERATORS: DR. RAFAEL FLORES-AYALA, U.S. CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) AND DR. KLAUS KRAEMER, SIGHT AND LIFE

KEYNOTE SPEAKER

Ms. Gerda Verburg
U.N. Assistant Secretary General and the Scaling Up Nutrition Movement (SUN) Coordinator
Better nutrition: translating commitments into results and impacts

→ PLENARY / LATE MORNING

10:30 TO 12:00  RM: GRAN CANCÚN

POSITIONING WOMEN’S NUTRITION AT THE CENTRE OF SUSTAINABLE DEVELOPMENT
MODERATOR: DR. LYNETTE NEUFELD, GLOBAL ALLIANCE FOR IMPROVED NUTRITION [GAIN]

SPEAKERS PRESENTATIONS

10:30  Dr. Lynnette Neufeld
Global Alliance for Improved Nutrition (GAIN)
Introduction and session overview

10:35  Dr. Ana Langer
Harvard School of Public Health
Women and health: the key to sustainable development

10:50  Dr. Robert Black
Johns Hopkins University (JHU)
Nutrition is central to women’s health

11:05  Dr. Parul Christian
Bill & Melinda Gates Foundation (BMGF)
Women’s nutrition: agenda for action and research

11:20  Dr. Jacqueline Kung’u
Micronutrient Initiative (MI)
Advancing maternal and neonatal health and nutrition in Africa: impact evaluation from an integrated community-based multi-country project

11:35  DISCUSSION/Q&A

12:00 TO 1:00 / LUNCH BREAK

Simultaneous translation available for this session
La traducción simultánea está disponible en esta sesión

TRACK 1 Measuring and interpreting information on micronutrient status.
TRACK 2 Effects of micronutrient interventions on indicators and functional outcomes.
TRACK 3 Scaling up micronutrient interventions in vulnerable populations: bridging the gaps between evidence and implementations.
TRACK 4 Transforming the enabling environment to forge a future for micronutrients—what will it take?
Deep Dive
Opening Ceremony, Welcome Reception, Gala Dinner
Mexico and Latin American Focus
Keynotes
Sponsored Symposia
Learning Centres
Poster Presentations
TUESDAY

1:00 TO 2:00
RM: TULUM 1&2
LEARNING CENTRE

U.S. Centers for Disease Control and Prevention (CDC)
Measurement issues associated with biological and food specimen collection and analysis in household surveys

POSTER PRESENTATIONS
VIEW LIST OF POSTER PRESENTATIONS ON PAGE 52

→ CONCURRENT SESSIONS / EARLY AFTERNOON

2:00 TO 3:00
RM: COZUMEL 2
NEW BIOMARKERS / INDICATORS FOR ASSESSING MICRONUTRIENT STATUS IN POPULATION-BASED SURVEYS
MODERATOR: DR. DORA INÉS MAZARIEGOS CORDERO, INSTITUTO DE NUTRICIÓN DE CENTRO AMÉRICA Y PANAMÁ (INCAP)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Dr. Ralph D. Whitehead Jr. U.S. Centers for Disease Control and Prevention (CDC) Inclusion of MRDR in population-based surveys in Guatemala, Uganda, Mozambique, and Nepal: implications for cut-offs and prevalence of vitamin A deficiency</td>
</tr>
<tr>
<td>2:20</td>
<td>Dr. Jacky Knowles Global Alliance for Improved Nutrition (GAIN) Iodine survey methods adapted to account for the changing landscape and salt intake through processed foods</td>
</tr>
<tr>
<td>2:40</td>
<td>Dr. Alex Brito USDA-ARS Western Human Nutrition Research Center (WHNRC) cB12: a novel combined indicator of vitamin B12 status</td>
</tr>
<tr>
<td>3:00</td>
<td>Dr. Bradley A. Woodruff GroundWork Statistical considerations of the analysis and presentation of urinary iodine concentrations in population-based surveys</td>
</tr>
<tr>
<td>3:15</td>
<td>Dr. Hans Verhoef London School of Hygiene and Tropical Medicine and Wageningen University (WU) Diagnostic test performance of zinc protoporphyrin to detect iron deficiency in Kenyan pregnant women</td>
</tr>
</tbody>
</table>

20/21
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker and Institution</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Dr. Lindsay Allen, USDA-ARS Western Human Nutrition Research Center</td>
<td>Existing global data on breastmilk micronutrient concentrations</td>
</tr>
<tr>
<td>2:25</td>
<td>Dr. Munirul Islam, ICDDR,B, Bangladesh</td>
<td>Collecting breastmilk for micronutrient analysis; methodological issues</td>
</tr>
<tr>
<td>2:45</td>
<td>Dr. Daniela Hampel, USDA-ARS Western Human Nutrition Research Center</td>
<td>Developing reference values for breastmilk micronutrients</td>
</tr>
<tr>
<td>3:05</td>
<td>Ms. Chen Li, McGill University</td>
<td>Adequacy of major minerals and trace elements in human breast milk is associated with Guatemalan infant anthropometric indices within the first six months of life</td>
</tr>
<tr>
<td>3:20</td>
<td>Dr. Sherry Tanumihardjo, University of Wisconsin-Madison</td>
<td>Breast milk retinol reflects liver reserves and dietary exposure in Thai lactating women</td>
</tr>
</tbody>
</table>

**Zinc Intervention Trials**

**MODERATORS: DR. CHRISTINE MCDONALD, CHILDREN’S HOSPITAL OAKLAND RESEARCH INSTITUTE (CHORI) AND DR. EDGAR VÁZQUEZ GARIBAY, UNIVERSIDAD DE GUADALAJARA (UDG)**

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Dr. Diego Moretti, Federal Institute of Technology, Zurich, Switzerland</td>
<td>Impact of biofortified wheat on zinc nutrition in school-age children</td>
</tr>
<tr>
<td>2:20</td>
<td>Dr. Chris Duggan, Harvard University</td>
<td>Zinc versus multiple micronutrient supplementation of young Tanzanian children</td>
</tr>
<tr>
<td>2:40</td>
<td>Dr. Janet King, Children’s Hospital Oakland Research Institute, (CHORI)</td>
<td>Effect of a small nutrient-dense meal on maternal nutrition and pregnancy outcomes</td>
</tr>
<tr>
<td>3:00</td>
<td>Dr. Saurabh Mehta, Cornell University</td>
<td>A randomized trial of iron- and zinc-biofortified pearl millet: effects on zinc concentrations and anthropometry in school children in India</td>
</tr>
<tr>
<td>3:15</td>
<td>Dr. Sonja Y. Hess, University of California, Davis</td>
<td>Exploring reasons for different growth responses to small-quantity lipid-based nutrient supplements and zinc supplements among young children in two studies in neighboring districts of Burkina Faso</td>
</tr>
</tbody>
</table>
## TUESDAY

### 2:00 TO 3:30

**THE FOOD ENVIRONMENT AS A DETERMINANT OF OPTIMAL DIETARY CONSUMPTION**  
MODERATORS: BONNIE MCCAFFERTY, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN) AND MTRA. GABRIELA GARCIA, NATIONAL INSTITUTE OF PUBLIC HEALTH (INSP), MEXICO

<table>
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<tr>
<th>TIME</th>
<th>SPEAKERS</th>
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<tbody>
<tr>
<td>2:00</td>
<td>Dr. Anna Herforth</td>
<td>The food environment: availability, convenience and desirability</td>
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<td></td>
<td>Independent Consultant</td>
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</tr>
<tr>
<td>2:15</td>
<td>Dr. Inge Brower</td>
<td>Does local food availability support implementation of food-based dietary guidelines in northern Ghana?</td>
</tr>
<tr>
<td></td>
<td>Wageningen University (WU)</td>
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</tr>
<tr>
<td>2:30</td>
<td>Ms. Lilly Schofield</td>
<td>Using cost of the diet to inform a program to prevent chronic malnutrition in children in Myanmar</td>
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<td></td>
<td>Save The Children UK</td>
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</tr>
<tr>
<td>2:45</td>
<td>Dr. Margaret Armar-Klemesu</td>
<td>Outcomes from focused ethnographic surveys of rural mothers for improved infant feeding</td>
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<td>Noguchi Memorial Institute</td>
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<tr>
<td>3:00</td>
<td>Dr. Marti van Liere</td>
<td>Making nutrition aspirational and desirable</td>
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<td></td>
<td>Global Alliance for Improved Nutrition (GAIN)</td>
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</tr>
</tbody>
</table>

### 3:15 MODERATED DISCUSSION

### 2:00 TO 3:30

**COUNTRY OWNERSHIP AND LEADERSHIP IN WORKING WITH MULTIPLE ACTORS (BILATERAL AGENCIES, PRIVATE DONORS, MULTILATERAL ORGANIZATIONS, NGOs, CSOS, ACADEMIA, PRIVATE SECTOR) TO PROMOTE POLICIES, ENABLE INNOVATION AND FUND EFFECTIVE NATIONAL MICRONUTRIENT STRATEGIES**  
MODERATOR: MS. PATRIZIA FRACASSI, SCALING UP NUTRITION MOVEMENT (SUN)

<table>
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<tr>
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<tbody>
<tr>
<td>2:00</td>
<td>Dra. Nina Sadjunani</td>
<td>Micronutrient interventions in Indonesia: what does it take to realize country ownership and leadership?</td>
</tr>
<tr>
<td></td>
<td>SUN Lead Group and National SDGs, Secretariat</td>
<td></td>
</tr>
<tr>
<td>2:15</td>
<td>Dr. Ariela Luna</td>
<td>Micronutrient interventions in Peru: driving the agenda in terms of funding, implementation and monitoring of effective coverage</td>
</tr>
<tr>
<td></td>
<td>Peru</td>
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</tr>
</tbody>
</table>
TUESDAY

MODERATED DISCUSSION  TOPIC

2:30  The contribution of multiple actors in supporting the enabling environment for effective implementation of micronutrient interventions

Prof. Uma Koirola  
Civil Society Alliance, Nepal  
The role of civil society

Mr. Mauricio Adade  
DSM Latin America  
The role of the private sector

Dr. Noel Marie Zagre  
United Nations Children's Fund (UNICEF) Regional Office for West and Central Africa  
The role of technical assistance

Dr. Omar Dary  
United States Agency for International Development (USAID)  
The role of donors

3:15  Q&A/DISCUSION

2:00 TO 3:30 RM: TULUM 1 & 2

TRANSFORMATIONAL LEADERSHIP  
MODERATOR: TBC

SPEAKER  PRESENTATION

Dr. Namukolo Covic  
International Food Policy Research Institute (IFPRI)  
Framing transformational leadership as distinct from capacity building

PANELISTS  PRESENTATIONS

Mrs. Agnes Mukamana Nduguye  
SUNLEAD, Rwanda  
SUNLEAD transforming district level multisectoral teams

Dr. Simone Frey  
European Nutrition Leadership Platform (ENLP), Bioanalyt  
Two key outcomes of the European Nutrition Leadership Platform (ENLP) leadership training in Europe

Ms. Oluwatoyin Oyekenu,  
Save the Children (SC)  
Multisectorial teams vs collaborative teams

Dr. Richmond Aryeetey  
University of Ghana  
Successful program implementation — what does it take?
## CONCURRENT SESSIONS / LATE AFTERNOON

### GLOBAL COVERAGE OF MICRONUTRIENT INTERVENTIONS
**MODERATOR: DR. RAHUL RAWAT, BILL & MELINDA GATES FOUNDATION (BMGF)**

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4:00</td>
<td>Dr. Aashima Garg</td>
<td>What are children eating? Global overview of infant and young child feeding programs and home fortification programs using micronutrient powder</td>
</tr>
<tr>
<td>4:20</td>
<td>Ms. Valerie Friesen</td>
<td>Assessing coverage of large-scale food fortification interventions: fortification assessment coverage tool (FACT) results and implications</td>
</tr>
<tr>
<td>4:40</td>
<td>Ms. Julia Krasevec</td>
<td>Global coverage of salt iodization and vitamin A supplementation programs</td>
</tr>
<tr>
<td>5:00</td>
<td>Dr. Aynah Janmohamed</td>
<td>Determinants of vitamin A supplementation coverage for children 6-59 months in thirteen sub-Saharan African countries: results from 45 post-event coverage surveys</td>
</tr>
</tbody>
</table>

**DISCUSSANT**

5:15  
Dr. Rafael Flores-Ayala  
U.S. Centers for Disease Control and Prevention (CDC)

### INTERVENTIONS TO INCREASE MICRONUTRIENTS IN BREASTMILK
**MODERATOR: DR. LINDSAY ALLEN, USDA-ARS WESTERN HUMAN NUTRITION RESEARCH CENTER (WHNRC)**

<table>
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<tbody>
<tr>
<td>4:00</td>
<td>Dr. Setareh Shahab-Ferdows</td>
<td>Interventions with LNS in Ghana and Malawi (iLiNS and BAN)</td>
</tr>
<tr>
<td>4:20</td>
<td>Ms. Kamilla Ericksen</td>
<td>Effects of maternal multiple micronutrient supplementation in The Gambia</td>
</tr>
<tr>
<td>4:40</td>
<td>Dr. Sophie Moore</td>
<td>Is maternal supplementation effective for increasing micronutrients in breast milk?</td>
</tr>
<tr>
<td>5:00</td>
<td>Dr. Kyly Whitfield</td>
<td>Thiamin-fortified fish sauce: a novel means of increasing erythrocyte and breast milk thiamin concentrations among rural Cambodian women and their infants</td>
</tr>
<tr>
<td>5:15</td>
<td>Dr. Asmaa El Hamdouchi</td>
<td>Combined consumption of a single high-dose vitamin A supplement and provision of vitamin A fortified oil to households maintains adequate milk retinol concentrations for 6 months in lactating Moroccan women</td>
</tr>
</tbody>
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**24/25**
## FILLING THE DATA VOID IN NUTRITION SURVEILLANCE

**Moderator:** Dr. Omar Dary, United States Agency for International Development (USAID)

<table>
<thead>
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<tbody>
<tr>
<td>4:00</td>
<td>Dr. Omar Dary, United States Agency for International Development, USAID</td>
<td>Introduction</td>
</tr>
<tr>
<td>4:05</td>
<td>Dr. Hana Bekele, World Health Organization (WHO), Africa</td>
<td>World Health Organization (WHO) nutrition surveillance experience in African countries</td>
</tr>
<tr>
<td>4:25</td>
<td>Dr. Maria Elena Jefferds, U.S. Centers for Disease Control and Prevention (CDC)</td>
<td>U.S. innovations in surveillance and research for understanding early child feeding</td>
</tr>
<tr>
<td>4:45</td>
<td>Dr. Abigail Perry, Department for International Development (DFID)</td>
<td>International initiatives to strengthen nutrition information platforms</td>
</tr>
<tr>
<td>5:05</td>
<td>Dr. Chris Osa. Isokpunwu, Federal Ministry of Health, Nigeria</td>
<td>Nigeria’s annual SMART survey and multiple deprivation analysis: a planning, advocacy and accountability tool for health and nutrition programming</td>
</tr>
<tr>
<td>5:15</td>
<td>DISCUSSION</td>
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</tbody>
</table>

## HOW HAS THE ARRIVAL OF THE SDGS CHANGED FINANCING FOR NUTRITION?

**Moderator:** Dr. Klaus Kraemer, SIGHT AND LIFE

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<tr>
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<tbody>
<tr>
<td>4:00</td>
<td>Dr. John McArthur, Brookings Institute</td>
<td>The changing funding environment for nutrition</td>
</tr>
<tr>
<td></td>
<td>Dr. Sue Horton, Waterloo University</td>
<td>Why investing in micronutrients should be prioritized</td>
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<td></td>
<td>Dr. Katharine Kreis, PATH</td>
<td>Innovation in models for micronutrient accessibility</td>
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<tr>
<td></td>
<td>Dr. Laurette Dubé, McGill University</td>
<td>What we have achieved from our investments in micronutrients?</td>
</tr>
<tr>
<td></td>
<td>Mr. Pragya Mathema, United Nations Children’s Fund [UNICEF] Nigeria</td>
<td>Estimating the investment required and expected economic returns of scaling up micronutrient powders in Nigeria</td>
</tr>
</tbody>
</table>
### TUESDAY

**4:00 TO 5:30**  
**RM: TULUM 1 & 2**  
**CLIMATE CHANGE AND MICRONUTRIENT NUTRITION**  
**MODERATOR: DR. PATRICK WEBB, TUFTS UNIVERSITY**

<table>
<thead>
<tr>
<th>SPEAKERS</th>
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</table>
| **4:00** | Dr. Jessica Fanzo  
Johns Hopkins University (JHU) | Climate change and effects on health |
| **4:20** | Dr. Keith Wiebe  
International Food Policy Research Institute (IFPRI) | Climate change and food production |
| **4:40** | TBC | Climate change and food composition |

**5:00**  
**Dr. Patrick Webb**  
Tufts University  
**Global Panel—wrap-up and discussion of policy implications**

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**5:30 TO 7:00**  
**ROOMS**

### SPONSORED SYMPOSIA

<table>
<thead>
<tr>
<th>Sight and Life</th>
<th>The future of micronutrient innovation: Elevator Pitch Contest</th>
<th>COZUMEL 3</th>
</tr>
</thead>
</table>
| **HarvestPlus** | PROGRESS IN SCALING UP BIOFORTIFICATION  
Moderated by 2016 World Food Prize Winner Howarth Bouis, this symposium will highlight exciting examples of how biofortification programs have been implemented and scaled up in a variety of settings. Following the symposium, attendees will be ushered to a special cocktail event where the new CEO of HarvestPlus, Beverley Postma, will be introduced. | TULUM 1 & 2 |
| **U.S. Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO)** | Optimal red blood folate concentration in women of reproductive age for prevention of neural tube defects: new guidelines and applications in low, medium and high income countries | COZUMEL 2 |
| **Rainer Gross Award** | | COZUMEL 4 |

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**7:00 TO 8:00**  
**RM: GRAN CANCÚN**  
**POSTER COCKTAIL RECEPTION AND PRESENTATIONS**  
**SPONSORED BY SIGHT AND LIFE**  
**VIEW LIST OF POSTER PRESENTATIONS ON PAGE 52**
PLENARY / MORNING

8:30 TO 10:00

RM: GRAN CANCÚN

USE OF EVIDENCE FOR THE DESIGN AND IMPROVEMENT OF PROGRAMS: MEXICAN EXPERIENCE
MODERATOR: THANIA DE LA GARZA NEGRETE, NATIONAL COUNCIL FOR THE EVALUATION OF SOCIAL DEVELOPMENT POLICY (CONEVAL)

<table>
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<tbody>
<tr>
<td>Dr. Juan Angel Rivera Dommarco</td>
<td>History in the use of evidence for improving the design of the national conditional cash transfer program in Mexico</td>
</tr>
<tr>
<td>Mr. Daniel Aceves</td>
<td>Improving children’s nutrition in the context of a conditional cash transfer program</td>
</tr>
<tr>
<td>Dr. Anabelle Bonvecchio</td>
<td>Addressing the double burden of malnutrition through a national behavioral change strategy</td>
</tr>
<tr>
<td>Ms. Ana María Pineda Reyes</td>
<td>Providing micronutrients through a milk distribution program</td>
</tr>
</tbody>
</table>

9:10 Q&A

9:20 Dr. Anabelle Bonvecchio
National Institute of Health (INSP), Mexico
Addressing the double burden of malnutrition through a national behavioral change strategy

9:50 Q&A

CONCURRENT SESSIONS / MORNING

10:30 TO 12:00

RM: TULUM 1 & 2

ADVANCES IN PROGRAM MONITORING
MODERATOR: DR. ALISON TUMILOWICZ, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN)

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<tr>
<td>Dr. Alain B. Labrique, Johns Hopkins University (JHU)</td>
<td>What works and what doesn’t work with mHealth</td>
</tr>
<tr>
<td>Dr. Chowdhury Jalal, Micronutrient Initiative (MI)</td>
<td>Monitoring coverage of micronutrient programs in Ethiopia and Kenya: lessons learned from using Large Country Lot Quality Assurance Survey (LC LQAS) methodology</td>
</tr>
<tr>
<td>Mr. Greg S. Garrett, Global Alliance for Improved Nutrition (GAIN)</td>
<td>Modelling the consumption of iodized salt through processed foods, and implications for USI programming</td>
</tr>
</tbody>
</table>
## WEDNESDAY

### 11:20
**Dr. Richa Pandey**  
United Nations Children’s Fund (UNICEF) India  
**Using strategic partnerships and external real-time monitoring to improve adolescent micronutrient programmes in India’s largest state — Uttar Pradesh**

### 11:35
**Dr. Stella Nordhagen**  
Helen Keller International (HKI) Senegal  
**Fostering change: using monitoring to iteratively improve project implementation**

### 11:50
**Dr. Annette Imohe**  
**Application of innovation to enhance national Maternal, Neonatal and Child Health Week (MNCHW) in Nigeria — Real time monitoring and reporting using SMART tablets and follow up on corrective response using SMS platform**

### 10:30 TO 12:00  
**RM: COZUMEL 2**

#### MICRONUTRIENT INTERVENTIONS TO IMPROVE CHILD DEVELOPMENT
**MODERATORS: DR. MANDANA ARABI, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN) AND MTRA. THANYA SOFÍA LABRADA ALBA, UN KILO DE AYUDA**

<table>
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<th>PRESENTATIONS</th>
</tr>
</thead>
</table>
| **10:30**  
Dr. Beth Prado  
USA                  | ILINS studies in Burkina Faso, Ghana and Malawi                               |
| **10:50**  
Dr. Marius Smuts  
South Africa             | Tswaka trial on complementary foods in South Africa                           |
| **11:10**  
Dr. Beverly Biggs  
Monash University, Melbourne | Effects of maternal micronutrient powders and iron supplements on child development in Vietnam |
| **11:30**  
Dr. Lindsey Locks  
Harvard University        | The effect of daily zinc and/or multivitamin supplementation on early childhood development in Tanzania: results from a randomized controlled trial |

### 10:30 TO 12:00  
**RM: COZUMEL 3**

#### EFFECTIVENESS OF LARGE-SCALE FORTIFICATION
**MODERATOR: DR. MARY SERDULA, U.S. CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)**

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</thead>
</table>
| **10:30**  
Dr. Emily Keats  
The Hospital for Sick Children | Systematic evidence review and program analysis of large-scale fortification efforts for improving health outcomes in low and middle income countries |
| **10:45**  
Mrs. Ning Pribadi  
Indonesia Food Fortification Foundation (KFI) | Effectiveness of edible oil fortification in Indonesia |
| **11:05**  
Dr. Ramadhani Abdallah Noor  
African Academy of Public Health (AAPH), Tanzania, and Harvard T. Chan School of Public Health (HSPH) | Folic acid fortification of wheat flour increases folate levels among women of reproductive age in Tanzania |
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Panel</th>
<th>Title/Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:45</td>
<td>Dr. Helena Pachon</td>
<td>Challenges of measuring biological impact in food fortification</td>
</tr>
<tr>
<td>11:55</td>
<td></td>
<td>DISCUSSION</td>
</tr>
<tr>
<td>10:30</td>
<td>Dr. Erin McLean</td>
<td>Mortality trends and data gaps: implications for vitamin A supplementation</td>
</tr>
<tr>
<td>10:45</td>
<td>Ms. Alison Greig</td>
<td>A framework for shifting from universal VAS toward sustainable elimination of vitamin A deficiency</td>
</tr>
<tr>
<td>10:55</td>
<td>Ms Dora Inés Mazariégos Cordero</td>
<td>Changes to the vitamin A supplementation distribution program in Guatemala due to evidence of improved vitamin A status among children</td>
</tr>
<tr>
<td>11:00</td>
<td>Ms. Nita Dalmiya</td>
<td>The changing programme landscape: implications for VAS delivery platforms and VAS coverage</td>
</tr>
<tr>
<td>11:20</td>
<td>Dr. Sospeter Gatobu</td>
<td>Cost-effectiveness of transitioning from child health days in Senegal and Ethiopia to routine</td>
</tr>
<tr>
<td>11:30</td>
<td>Mr. David Doledec</td>
<td>Vitamin A supplementation (VAS) through facility-plus-outreach costs less and achieves comparable coverage compared with door-to-door distribution</td>
</tr>
<tr>
<td>11:40</td>
<td>Dr. Deepika Mehrish Sharma</td>
<td>Traversing the last mile to reach excluded children with vitamin A supplementation (VAS): use of mHealth strategy for improved coverage in geographically difficult terrain</td>
</tr>
<tr>
<td>11:45</td>
<td></td>
<td>Q&amp;A</td>
</tr>
</tbody>
</table>
WEDNESDAY

10:30 TO 12:00  RM: GRAN CANCÚN

**ADOLESCENT NUTRITION: ACHIEVEMENTS, CHALLENGES AND FUTURE ACTIONS**

**MODERATORS:** DR. JACQUELINE KUNG’U, MICRONUTRIENT INITIATIVE (MI) AND DR. MARTHA KAUFER, COLEGIO MEXICANO DE NUTRIOLOGOS (CMN)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 Ms. Julie Ruel-Bergeron</td>
<td>Johns Hopkins University (JHU) A review of delivery platforms for reaching adolescent girls with micronutrient interventions in four low and middle-income countries</td>
</tr>
<tr>
<td>11:00 Ms. Jennifer Busch-Hallen</td>
<td>Micronutrient Initiative (MI) Tackling growing pains: advancing large scale nutrition programs for adolescent girls</td>
</tr>
<tr>
<td>11:15 Dr. Usha Ramakrishnan</td>
<td>Emory University Current experiences delivering micronutrient interventions to adolescent girls: lessons learned and gaps</td>
</tr>
<tr>
<td>11:30 Dr. Rehana A. Salam</td>
<td>Aga Khan University Nutrition interventions for pregnant adolescents: a systematic review and meta-analysis</td>
</tr>
</tbody>
</table>

10:30 TO 12:00  RM: COZUMEL 4

**ENSURING HIGH COVERAGE AND QUALITY OF MICRONUTRIENT INTERVENTIONS: WHAT IS NEEDED FROM THE HEALTH SYSTEM? — PANEL DISCUSSION**

**MODERATOR:** DR. EMORN UDOMKESMALEE, MAHIDOL UNIVERSITY, THAILAND

<table>
<thead>
<tr>
<th>PANELISTS</th>
<th>PRESENTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Stephen Vosti</td>
<td>University of California, Davis Priority setting — potential of economic optimization modelling to help design cost-effective programs</td>
</tr>
<tr>
<td>TBC</td>
<td>Health systems strengthening improves equity: progress in Odisha</td>
</tr>
<tr>
<td>Dr. Alejandria Villa</td>
<td>Commission for Protection in Health Secretary of Health, Mexico Logistics — forecasting, procurement, product, distribution systems</td>
</tr>
<tr>
<td>Dr. Anabelle Bonvecchio</td>
<td>National Institute of Health (INSP), Mexico Development and scale-up of effective nutrition training in the health sector</td>
</tr>
<tr>
<td>Dr. Saul Morris</td>
<td>Children’s Investment Fund Foundation (CIFF) Monitoring — equipping systems to track effective coverage of micronutrient programs</td>
</tr>
</tbody>
</table>

12:00 TO 1:00 / LUNCH BREAK
WEDNESDAY

12:00 TO 2:00  RM: TULUM 1 & 2

LEARNING CENTRES

PATH
Contributions of civil society organizations (CSOs) in generating evidence for nutrition-specific and nutrition-sensitive interventions: what it takes to conduct an impact evaluation in local settings, challenges, and lessons learned.

1:00 TO 2:00  RM: GRAN CANCÚN

POSTER PRESENTATIONS
VIEW LIST OF POSTER PRESENTATIONS ON PAGE 52

→ PLENARY / EARLY AFTERNOON

2:00 TO 3:30  RM: GRAN CANCÚN

UPDATED PREVALENCE OF ANEMIA, IRON DEFICIENCY AND VITAMIN A DEFICIENCY IN SETTINGS OF INFLAMMATION AND GLOBALLY: KEY FINDINGS FROM THE BRINDA PROJECT
MODERATOR: DR. RAFAEL FLORES-AYALA, U.S. CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
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</table>
| 2:00     | Dr. Parminder Suchdev  
Emory University and  
U.S. Centers for Disease Control  
and Prevention (CDC)  
Overview of the biomarkers reflecting inflammation and nutritional determinants of anemia (BRINDA) project |
| 2:15     | Dr. Sorrel Namaste  
Strengthening Partnerships,  
Results and Innovation in Nutrition Globally (SPRING)  
Approaches to adjust iron biomarkers for inflammation: implications for estimating prevalence of iron deficiency |
| 2:30     | Ms. Leila Larson  
Emory University  
Approaches to adjust retinol/RBP for inflammation: implications for estimating prevalence of vitamin A deficiency |
| 2:45     | Dr. Reina Engle-Stone  
University of California, Davis  
Predictors of anemia among women and preschool children in settings with varying burdens of infectious disease |
| 3:00     | Dr. Lisa Rogers  
World Health Organization (WHO)  
BRINDA findings and global prevalence estimates: programmatic, policy and research implications |

MODERATED Q&A

3:15  Dr. Rafael Flores-Ayala  
U.S. Centers for Disease Control  
and Prevention (CDC)
## CONCURRENT SESSIONS / LATE AFTERNOON

### VITAMIN D IN PREGNANCY AND INFANCY: IMPLICATIONS FOR MATERNAL AND CHILD HEALTH

**MODERATOR: DR. DAN ROTH, UNIVERSITY OF TORONTO**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00</td>
<td>Dr. Dan Roth</td>
<td>University of Toronto</td>
<td>Introduction</td>
</tr>
<tr>
<td>4:05</td>
<td>Dr. Cristina Palacios</td>
<td>University of Puerto Rico</td>
<td>Vitamin D supplementation in pregnancy: an updated systematic review</td>
</tr>
<tr>
<td>4:20</td>
<td>Dr. Alison Gernand</td>
<td>Pennsylvania State University</td>
<td>Role of vitamin D in placental function and risk of preeclampsia</td>
</tr>
<tr>
<td>4:35</td>
<td>Dr. Tim Green</td>
<td>South Australia Health and Medical Research Institute and University of Adelaide</td>
<td>Vitamin D and calcium supplementation to reduce pre-eclampsia: resolving the controversy through a 2x2 randomised trial</td>
</tr>
<tr>
<td>4:50</td>
<td>Dr. Hope Weiler</td>
<td>McGill University</td>
<td>Normalization of vitamin D status with 1200 IU of vitamin D daily supports a leaner body mass phenotype in young infants</td>
</tr>
</tbody>
</table>

### DISCUSSION

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00</td>
<td>Dr. Dan Roth</td>
<td>University of Toronto</td>
<td>Panel discussion on future of vitamin D in pregnancy, lactation and infancy</td>
</tr>
</tbody>
</table>

### EFFECTS OF IRON SUPPLEMENTATION ON MALARIA AND THE GUT MICROBIOME

**MODERATORS: DR. RITA WEGMULLER, MRC GAMBIA AND DR. SALVADOR VILLALPANDO, NATIONAL INSTITUTE OF PUBLIC HEALTH (INSP), MEXICO**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00</td>
<td>Dr. Carla Cerami</td>
<td>University of North Carolina</td>
<td>Update on iron-malaria interactions</td>
</tr>
<tr>
<td>4:25</td>
<td>Dr. Martin Mwangi</td>
<td>Wageningen University (WU)</td>
<td>Iron supplementation in pregnancy does not increase risk of malaria</td>
</tr>
<tr>
<td>4:50</td>
<td>Dr. Michael Zimmermann</td>
<td>Federal Institute of Technology (ETH), Zurich</td>
<td>Iron’s effects on the gut microbiome, and optimal dose of iron</td>
</tr>
</tbody>
</table>

### DISCUSSIONANT

<table>
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:15</td>
<td>Dr. Rita Wegmuller</td>
<td>MRC Gambia</td>
<td>Implications for policy</td>
</tr>
</tbody>
</table>
WEDNESDAY

**4:00 TO 5:30**  
**RM: COZUMEL 3**

**SHOULD THERE BE REGIONAL GUIDELINES FOR NEWBORN VITAMIN A SUPPLEMENTATION?**  
MODERATOR: DR. ROLF KLEMM, HELEN KELLER INTERNATIONAL (HKI) AND JOHNS HOPKINS UNIVERSITY (JHU)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</thead>
</table>
| **Dr. Lisa Rogers**  
World Health Organization (WHO) | Meta-analysis of newborn vitamin A supplementation trials |

<table>
<thead>
<tr>
<th>DEBATERS</th>
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</thead>
</table>
| **Dr. Sam Newton**  
Kwame Nkrumah University of Science and Technology, Ghana | Take newborn vitamin A supplementation off the table |
| **Dr. Keith West**  
Johns Hopkins University (JHU), USA | Newborn vitamin A supplementation saves lives |

<table>
<thead>
<tr>
<th>DISCUSSANT</th>
</tr>
</thead>
</table>
| **Dr. Emorn Udomkesmalee**  
Mahidol University, Thailand |

**4:00 TO 5:30**  
**RM: TULUM 1 & 2**

**MEETING MICRONUTRIENT NEEDS DURING EMERGENCIES**  
MODERATOR: MS. RUTH SITUMA, UNITED NATIONS CHILDREN’S FUND (UNICEF), NEW YORK

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</thead>
</table>
| **Ms. Ruth Situma**  
United Nations Children’s Fund (UNICEF), New York | Introduction to session and options to ensure adequate intake of micronutrients for different population groups during emergencies |
| **Ms. Giulia Baldi**  
World Food Programme (WFP), Rome, Italy | Operationalizing access to essential (micro)nutrients during emergencies and beyond |
| **Mr. Giriraj Subedi**  
## WEDNESDAY

### 4:45
**Dr. Mary Hodges**  
Helen Keller International (HKI), Sierra Leone  
Attendance for essential nutrition actions during the Ebola emergency demonstrate resilience when fully integrated maternal and child health services were available in Freetown, Sierra Leone

### 5:00
**Mr. Carlos Grijalva-Eternod**  
University College London (UCL)  
Haemoglobin concentration in non-pregnant women is associated with household diet diversity measured using a 7-day but not a 24h recall period: evidence from the REFANI-N study

### 5:15  
**GENERAL DISCUSSION**

### 4:00 TO 5:30  
**RM: COZUMEL 2**  
**WHAT WORKS TO IMPROVE INFANT AND YOUNG CHILD NUTRITION PRACTICES**  
**MODERATOR: DR. EVA MONTERROSA, SIGHT AND LIFE**

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</thead>
</table>
| **4:00** | **Dr. Mekonnen Tesfamariam**  
Catholic Relief Services, Ethiopia  
Drips of change through keyhole and home gardens: supporting improved dietary diversity to pregnant and lactating women and children under five coupled with social behavior change communication and community mobilization |
| **4:20** | **Mr. Mahamadou Tanimoune**  
World Food Programme (WFP), Rwanda  
Provision of micronutrient fortified foods alongside nutrition education enhances achievement of dietary diversity in children under 2 years |
| **4:40** | **Dr. Dian Nurcahyati Hadihardjono**  
Helen Keller International (HKI), Indonesia  
Changes in food consumption and household food insecurity as a result of implementation of enhanced homestead food production in one district in West Timor, Indonesia |
| **5:00** | **Ms. Fanny Sandalinas**  
United Nations Children’s Fund (UNICEF)  
Impact of an integrated infant and young child feeding program including daily use of small quantity lipid-based nutrient supplement on infant and young child feeding practices in Katanga, Democratic Republic of Congo |

### 5:20  
**DISCUSSION/Q&A**

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34/35
WEDNESDAY

4:00 TO 5:30 RM: GRAN CANCEÑ

EFFECTIVE POLICIES AND DELIVERY PLATFORMS TO REACH WOMEN OF REPRODUCTIVE AGE
MODERATOR: DR. PARUL CHRISTIAN, BILL & MELINDA GATES FOUNDATION (BMGF)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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<tbody>
<tr>
<td>Dr. Parul Christian</td>
<td>Introduction</td>
</tr>
<tr>
<td>Bill &amp; Melinda Gates Foundation</td>
<td>BMGF</td>
</tr>
<tr>
<td>Dr. Saskia de Pee</td>
<td>Nutrition for adolescent girls and women, including during pregnancy:</td>
</tr>
<tr>
<td>World Food Programme (WFP),</td>
<td>from evidence-based guidelines to policies for implementation</td>
</tr>
<tr>
<td>Italy</td>
<td></td>
</tr>
<tr>
<td>Dr. Stephen Hodgins</td>
<td>Current status of ANC in health care systems and delivery of nutrition</td>
</tr>
<tr>
<td>Save the Children, USA</td>
<td>interventions — global overview</td>
</tr>
<tr>
<td>Dr. Garret Mehl</td>
<td>Current experiences delivering micronutrient interventions to adolescent girls</td>
</tr>
<tr>
<td>World Health Organization (WHO)</td>
<td>lessons learned and gaps</td>
</tr>
<tr>
<td>Geneva</td>
<td></td>
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<tr>
<td>Dr. Phuong Nguyen</td>
<td>Factors influencing the utilization of maternal nutrition interventions in a</td>
</tr>
<tr>
<td>International Food Policy</td>
<td>large scale MNCH program in Bangladesh</td>
</tr>
<tr>
<td>Research Institute (IFPRI)</td>
<td></td>
</tr>
<tr>
<td>Dr. Sheila C. Vir</td>
<td>Improving maternal nutrition through self help groups [SHG] of women —</td>
</tr>
<tr>
<td>Public Health Nutrition and</td>
<td>experience from India</td>
</tr>
<tr>
<td>Development Centre, India</td>
<td></td>
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</tbody>
</table>

Q&A

7:00 LOCATION: IBEROSTAR HOTEL

GALA DINNER
## THURSDAY

### PLENARY / MORNING

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Transforming the enabling environment to forge a future for micronutrients — what will it take?</td>
</tr>
<tr>
<td>9:00</td>
<td>Transformational leadership</td>
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<td>The role of advocacy and communication</td>
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<td>Private sector and accountability</td>
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<td>Financing models</td>
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<td>Governance</td>
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### CONCURRENT SESSIONS / MORNING

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>10:30</td>
<td>New &quot;-omics&quot; approaches for micronutrient status biomarker discovery</td>
</tr>
<tr>
<td>10:45</td>
<td>Use of flux proteomics and ‘virtual biopsy’ to assess micronutrient requirements and identify novel biomarkers of micronutrient status</td>
</tr>
</tbody>
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## THURSDAY

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:10</td>
<td>Dr. Neal Craft</td>
<td>New methods for collecting, processing and transporting biological specimens for micronutrient status assessment</td>
</tr>
<tr>
<td>11:12</td>
<td>Dr. David Boyle</td>
<td>New multiplex ELISA assay for assessing micronutrient status biomarkers</td>
</tr>
<tr>
<td>11:24</td>
<td>Dr. Balaji Srinivasan</td>
<td>A smartphone-based point-of-care ferritin biosensor for assessment of iron deficiency</td>
</tr>
<tr>
<td>11:36</td>
<td>Dr. Joseph Kehayias</td>
<td>Evaluation of X-ray fluorescence for the assessment of zinc in fingernails</td>
</tr>
<tr>
<td>11:48</td>
<td>DISCUSSION</td>
<td></td>
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</tbody>
</table>

### RISK BENEFIT OF MICRONUTRIENT INTERVENTIONS

**Moderator:** Dr. Adrian Gheorghe, London School of Hygiene and Tropical Medicine (LSHTM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>Dr. Adrian Gheorghe</td>
<td>Introduction</td>
</tr>
<tr>
<td>10:40</td>
<td>Dr. Sant-Rayn Pasricha</td>
<td>IUNS/MNF — risk benefits of iron supplementation for children</td>
</tr>
<tr>
<td>11:10</td>
<td>Dr. Ken Brown</td>
<td>Benefits and risks of vitamin A intervention programs</td>
</tr>
<tr>
<td>11:30</td>
<td>Dr. Frank Wieringa</td>
<td>Fortification with multiple micronutrients might result in opposing health effects</td>
</tr>
<tr>
<td>11:45</td>
<td>DISCUSSION</td>
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</tr>
</tbody>
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### TRACKS

- **TRACK 1** Measuring and interpreting information on micronutrient status.
- **TRACK 2** Effects of micronutrient interventions on indicators and functional outcomes.
- **TRACK 3** Scaling up micronutrient interventions in vulnerable populations: bridging the gaps between evidence and implementations.
- **TRACK 4** Transforming the enabling environment to forge a future for micronutrients — what will it take?

### Other Sessions

- Deep Dive
- Opening Ceremony, Welcome Reception, Gala Dinner
- Mexico and Latin American Focus
- Keynotes
- Sponsored Symposia
- Learning Centres
- Poster Presentations

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Simultaneous translation available for this session (Spanish/English) La traducción simultánea está disponible en esta sesión (Inglés/Español)
THURSDAY

10:30 TO 12:00
RM: COZUMEL 3

INNOVATIONS IN NUTRITION-SENSITIVE PROGRAMS TO ADDRESS MICRONUTRIENT DEFICIENCIES: DESIGN, IMPLEMENTATION AND EFFECTIVENESS
MODERATORS: DR. MARIE RUEL, INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE (IFPRI) AND DR. JEF L. LEROY, INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE (IFPRI)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
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</thead>
</table>
| 10:30 Mr. Haribondhu Sarma   | ICDDR,B  
The role of concurrent evaluation in course correction of intervention during implementation: the experience of market-based home fortification in Bangladesh |
| 10:42 Ms. Kristina D. Michaux | University of British Columbia  
The impact of homestead food production (HFP) with or without fishponds (HFP+F) on dietary diversity, dietary intake, nutritional biochemical indicators, and anthropometry in Prey Veng Province, Cambodia |
| 10:54 Dr. Shibani Ghosh       | Tufts University  
Rising production and consumption of fruit, vegetables and animal source foods associated with nutrition sensitive integrated programming in Nepal |
| 11:06 Dr. Amy Webb Girard     | Emory University  
An integrated agriculture, nutrition and health project promoting orange flesh sweet potato during pregnancy and the early postpartum period increased maternal nutrition knowledge, vitamin A intakes and nutritional status of women in Western Kenya |
| 11:18 Dr. Jef L. Leroy        | International Food Policy Research Institute (IFPRI)  
Tubaramure, a food-assisted integrated health and nutrition program in Burundi improves maternal and child hemoglobin levels and reduces anemia: a theory-based cluster-randomized controlled intervention trial |
| 11:30 Dr. Deanna Olney       | International Food Policy Research Institute (IFPRI)  
The impact of lipid-based nutrition supplements and micronutrient Sprinkles delivered through a food-assisted health and nutrition program on child linear growth in Guatemala |

11:42 DISCUSSION

10:30 TO 12:00
RM: COZUMEL 2

ECONOMICS OF DEMAND
MODERATOR: DR. MARTI VAN LIERE, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
</tr>
</thead>
</table>
| 10:30 Dr. Marti van Liere    | Global Alliance for Improved Nutrition (GAIN)  
Introduction                                                                                                                                 |
| 10:35 Mr. Matthew Willcox    | Institute of Decision Making  
When it comes to marketing there is one P that is more important than the 4Ps. How insights from the psychology of choice should set the agenda for price, product, promotion and place |
| 11:00 (TBC)                  | Price response and price policies and micronutrient rich foods                                                                                                                                 |
### THURSDAY

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>11:20</td>
<td>Mr. Ricardo Jorge Dos Santos Lobo</td>
<td>Conditional cash transfers and their impact on micronutrient outcomes (Placement)</td>
</tr>
<tr>
<td>11:40</td>
<td>Dr. Rudaba Khondker</td>
<td>How to combine the 4Ps in a programmatic approach: driving demand of multiple micronutrient powders as part of optimal IYCN in Bangladesh</td>
</tr>
</tbody>
</table>

#### MICRONUTRIENTS IN THE CONTEXT OF THE NUTRITION TRANSITION

**Moderators:** Dr. Ricardo Uauy, INTA-Chile and MTRA. Rocio Alvarado Casas, National Institute of Public Health (INSP), Mexico

<table>
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</thead>
<tbody>
<tr>
<td>10:30</td>
<td>Dr. Daniel López de Romaña</td>
<td>Updating the evidence on micronutrient deficiencies in Latin America</td>
</tr>
<tr>
<td>10:45</td>
<td>Dr. Manuel Ruz</td>
<td>Two-year zinc supplementation in type 2 diabetes: a randomized clinical trial in Chile</td>
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<tr>
<td>11:00</td>
<td>Dr. Ricardo Uauy</td>
<td>Food systems [or diets] for the prevention of malnutrition in all forms</td>
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<tr>
<td>11:15</td>
<td>Dr. Olga Patricia García Obregón</td>
<td>Consequences of micronutrient deficiencies in obese populations</td>
</tr>
<tr>
<td>11:30</td>
<td>Dr. Teresita González de Cosío</td>
<td>Lactation performance in obese women and potential effects on nutritional status of their children</td>
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<tr>
<td>11:45</td>
<td>Q&amp;A</td>
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#### SPONSORED SYMPOSIA

**Sociedad Latinoamericana de Nutrición (SLAN) and Instituto de Nutrición de Centro América y Panamá (INCAP)**

Recognition of the work of Dr. Guillermo Arroyave and Dr. Fernando Viteri [TBC]

**World Food Programme (WFP)**

Building the global roadmap for scaling up rice fortification

12:00 TO 1:00 / LUNCH BREAK
**Thrusday**

### Learning Centre

U.S. Centers for Disease Control and Prevention (CDC), UNICEF, Home Fortification Technical Advisory Group (HF-TAG), Global Alliance for Vitamin A (GAVA), Micronutrient Initiative (MI), World Health Organization (WHO), and Global Alliance for Improved Nutrition (GAIN)

Interactive demonstration of new tools and resources to implement and monitor micronutrient programs

### Poster Presentations

View list of poster presentations on page 52

### Plenary / Early Afternoon

#### 2:00 to 3:30

RM: GRAN CANCÚN

**Have Micronutrient Powder Programs Scaled Up Too Quickly? (Have the Programs Come Before the Evidence)? — Debate**

Moderator: Dr. Maria Elena Jeffers, U.S. Centers for Disease Control Prevention (CDC)

<table>
<thead>
<tr>
<th>Time</th>
<th>Debater</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>2:00</td>
<td>Dr. Stanley Zlotkin, The Hospital for Sick Children (HSC)</td>
<td>Not too quickly</td>
</tr>
<tr>
<td>2:20</td>
<td>Dr. Omar Dary, United States Agency for International Development (USAID)</td>
<td>Yes, too quickly</td>
</tr>
</tbody>
</table>

**Discussant**

2:40

Dr. Marie Ruel, International Food Policy Research Institute (IFPRI)

3:00

Q&A
THURSDAY

→ CONCURRENT SESSIONS / LATE AFTERNOON

4:00 TO 5:30 RM: COZUMEL 3

NEW TECHNOLOGIES FOR DELIVERING MICRONUTRIENTS
MODERATOR: DR. KEN BROWN, BILL & MELINDA GATES FOUNDATION (BMGF)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</table>
| **4:00** Dr. Dora Pereira  
University of Cambridge | New compounds for safer delivery of supplemental iron |
| **4:20** Ms. Aviva Rappaport  
University of British Columbia | The efficacy of the Lucky Iron Fish™ in-home fortification of iron to improve hemoglobin concentration in rural Cambodian women: a randomized control trial |
| **4:35** Dr. Ana Jaklenec  
Massachusetts Institute of Technology (MIT) | New approaches for delivering multiple micronutrients in fortified food |
| **4:55** Ms. Laura Hackl  
Federal Institute of Technology (ETH), Zurich | Evaluation of iron and zinc bioavailability from fortified rice using coating, hot and cold extrusion: human stable isotope studies |
| **5:10** Dr. Prosper Kujinga,  
Wagenigen University (WU) and University of Zimbabwe | Daily consumption of zinc fortified water increases daily zinc intake and improves overall morbidity from common childhood infections in rural Kenyan children: a randomized, controlled effectiveness trial |
| **5:25** DISCUSSION | |
**NEW EFFICACY TRIALS OF BIOFORTIFIED CROPS—BEYOND BIOMARKERS**  
MODERATOR: DR. VENKATESH MANNAR, UNIVERSITY OF TORONTO AND THE TATA TRUSTS & TATA CORNELL INITIATIVE

<table>
<thead>
<tr>
<th>TIME</th>
<th>SPEAKERS and PRESENTATIONS</th>
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</table>
| 4:00  | Dr. Jere Haas  
Cornell University  
High iron beans: the Rwandan efficacy trial—improvement in iron status, physical activity and cognition |
| 4:20  | Prof. Sunil Sazawal  
Swami Vivekanad Subharti University, India  
Efficacy of high zinc-biofortified wheat consumption on improvement of micronutrient status, and prevention of morbidity among preschool children [aged 4-6 years] and women of child bearing age—a double masked, randomized, controlled trial in India |
| 4:40  | Dr. Marjorie Haskell  
University of California, Davis  
Provitamin A maize: effect on dark adaptation and breast milk retinol in rural Zambia |
| 4:55  | Ms. Boitshepo Bibi Gyiye  
Food and Agriculture Organization (FAO)  
World Health Organization (WHO)/Food and Agriculture Organization (FAO) external consultation proceedings on biofortification: brief communication |
| 5:10  | DISCUSSION |

**EFFECTIVENESS OF HOME FORTIFICATION PROGRAMS**  
MODERATOR: DR. SASKIA J.M. OSENDARP, MICRONUTRIENT INITIATIVE (MI)/WAGENINGEN UNIVERSITY (WU)

<table>
<thead>
<tr>
<th>TIME</th>
<th>SPEAKERS and PRESENTATIONS</th>
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</table>
| 4:00  | Mr. Pradiumna Dahal  
and  
Dr. Zuguo Mei  
U.S. Centers for Disease Control and Prevention (CDC)  
Effectiveness of an integrated infant and young child feeding and micronutrient powder program in Nepal |
| 4:15  | Dr. Hermann Lanou  
Institut de recherche en science de la Santé (IRSS), The Institute of Tropical Medicine (ITM), Antwerp  
Impact of a community-based IYCN intervention and MNPs on child growth, anemia and morbidity from infectious diseases in Burkina Faso |
| 4:30  | Ms. Aregash Samuel  
Ethiopian Public Health Institute (EPHI), Wageningen University (WU)  
Effectiveness of a program intervention with reduced-iron micronutrient powders on morbidity, iron status and child growth in young children in Ethiopia |
<table>
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<tr>
<th>Time</th>
<th>Speaker/Presenter</th>
<th>Presentation topic</th>
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<tbody>
<tr>
<td>4:45</td>
<td>Dr. Saskia J.M. Osendarp</td>
<td>Determinants of success in home fortification programs in Burkina Faso and Ethiopia</td>
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<tr>
<td>4:55</td>
<td>Ms. Katie Tripp</td>
<td>Impact of an integrated infant and young child feeding program including daily use of small quantity lipid-based nutrient supplement on stunting and micronutrient status in young children in Katanga, DRC</td>
</tr>
<tr>
<td>5:10</td>
<td>Dr. Susana Matias</td>
<td>Prenatal and postnatal supplementation with lipid-based nutrient supplements reduced anemia and iron deficiency in young Bangladeshi children</td>
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<tr>
<td>5:25</td>
<td>Q&amp;A</td>
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**ARE WE TALKING THE LANGUAGE TO TURN EVIDENCE INTO POLICY AND PROGRAMS?**

**MODERATOR: MS. JANE BADHAM, JB CONSULTANCY**

<table>
<thead>
<tr>
<th>Speaker/Presenter</th>
<th>Presentation topic</th>
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<tbody>
<tr>
<td>Dr. Jeannine Baumgartner</td>
<td>What does the scientist hear?</td>
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<tr>
<td>Dr. David Chiriboga</td>
<td>What a policy-maker hears from nutrition scientists?</td>
</tr>
<tr>
<td>Ms. Nelly Zavaleta</td>
<td>What civil society hears and doesn’t hear from nutrition scientists?</td>
</tr>
<tr>
<td>Dr. Praween Kumar Agrawal</td>
<td>The journey toward the first ever comprehensive national nutrition survey in India: creating an enabling environment</td>
</tr>
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</table>

**DISCUSSION**
### The Critical Role of Capacity for Delivering Micronutrient Interventions — Panel
**Moderator:** Dr. Namukoło Covic, International Food Policy Research Institute (IFPRI)

<table>
<thead>
<tr>
<th>Speakers</th>
<th>Presentations</th>
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</table>
| Dr. Stuart Gillespie  
International Food Policy Research Institute (IFPRI) | Framing: what do evaluations of micronutrient interventions tell us about critical capacity needs? |
| Dr. Jessica Fanzo  
Johns Hopkins University (JHU) | Framing: educating and training the workforce for nutrition for the future |
| Prof. Patrick Kolsteren  
Ghent University | An academic perspective |
| (TBC) | An African country perspective |
| Ms. Laura Astete Robilliard | A Latin American country perspective |
| Dr. Elvina Karyadi  
Micronutrient Initiative (MI) | An Asian country perspective |

### Sponsored Symposia

| Tufts University | Hidden hunger in older adults: an urgent, yet preventable, global health and economic problem | COZUMEL 2 |
| Nutrition Leadership Programmes | Meeting of the Nutrition Leadership Programmes | COZUMEL 4 |
| Global Nutrition Report | Accelerating anemia reduction | COZUMEL 3 |
# FRIDAY

## PLENARY / MORNING

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30</td>
<td>IMPLEMENTATION SCIENCE IN NUTRITION: PURPOSES, FORMS, FUNCTIONS AND COUNTRY EXAMPLES</td>
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</tbody>
</table>
| 8:35  | Ms. Anne Peniston  
U.S. Agency for International Development (USAID)  
Introduction |
| 8:40  | Dr. David Pelletier  
Cornell University (CU) & Society for Implementation Science in Nutrition (SISN)  
Implementation science in nutrition: forms and functions |
| 9:00  | Mrs. Patrizia Fracassi  
Scaling Up Nutrition Movement Secretariat (SUN)  
Summary of implementation constraints, bottlenecks and priorities from a sample of Scaling Up Nutrition Movement (SUN) countries |
| 9:20  | Ing. German Gonzalez  
Secretariat for Food Security & Nutrition (CONASAN)  
Implementation research in practice: examples from Guatemala |
| 9:25  | Ms. Natsayi Nembware  
Adventist Development and Relief Agency (ADRA)  
Implementation research in practice: examples from sub-Saharan Africa |
| 9:30  | Dr. Richmond Ayreetey  
University of Ghana (UG)  
Implementation research in practice: examples from Ghana |
| 9:35  | Dr. Sunny Kim  
International Food Policy Research Institute (IFPRI)  
Implementation research in practice: examples from India |
| 9:40  | Dr. Rolf Klemm  
Helen Keller International (HKI) and Johns Hopkins University (JHU)  
DISCUSSANT |
| 9:55  | Q&A |

Simultaneous translation available for this session (Spanish/English)
La traducción simultánea está disponible en esta sesión (Inglés/Español)
### FRIDAY

#### CONCURRENT SESSIONS / MORNING

**10:30 TO 12:00**

**RM: COZUMEL 2**

**DINTEY ASSESSMENT RE-IMAGINED USING INDIVIDUAL DIETARY INTAKE DATA FOR PROGRAM BASELINE AND IMPACT ASSESSMENT**

MODERATORS: DR. JOANNE E. ARSENAULT, UNIVERSITY OF CALIFORNIA, DAVIS AND DRA. TERESA SHAMAH, NATIONAL INSTITUTE OF PUBLIC HEALTH (INSP), MEXICO

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</table>
| **10:30** | **Dr. Jennifer Coates**  
Tufts University | Tools for individual level data collection and analysis of dietary intake of nutrients: current situation and gaps (based on the results of the INDDEX: to scale up and streamline dietary assessment in low-income countries) |
| **10:45** | **Dr. Joanne E. Arsenault**  
University of California, Davis | Diet-based metrics and indicators for use in programs (with focus on dietary diversity score) |
| **11:00** | **Dr. Mourad Moursi**  
International Food Policy Research Institute (IFPRI) | Technology-based tools for dietary assessment |
| **11:15** | **Dr. Nancy Lopez**  
National Institute of Public Health (INSP), Mexico | Mexico: national micronutrient survey results (lessons from large-scale implementation of dietary assessment in programs) |
| **11:30** | **Dr. Laura Trijsburg**  
Wageningen University (WU) | Comparison of duplicate portion and 24h recall as reference methods for validating a food frequency questionnaire using urinary markers as the estimate of true intake |
| **11:45** | **DISCUSSION AND Q&A** |

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**10:30 TO 12:00**

**RM: TULUM 1 & 2**

**IODINE NUTRITION DURING PERINATAL PERIOD AND EARLY CHILDHOOD**

MODERATOR: DR. ROLAND KUPKA, UNITED NATIONS CHILDREN’S FUND (UNICEF), NY

<table>
<thead>
<tr>
<th>SPEAKERS</th>
<th>PRESENTATIONS</th>
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</table>
| **10:30** | **Dr. Maria Andersson**  
Federal Institute of Technology (ETH), Zurich | Defining optimal iodine nutrition during infancy |
| **10:55** | **Dr. Grace Marquis**  
McGill University, Montreal | Salt iodization in Ethiopia and child development: intervention preconception, in infancy and pre-schoolers |
| **11:20** | **Dr. Pattanee Winichagoon**  
Mahidol University, Bangkok | Does iodine deficiency during pregnancy affect offspring cognitive development? |
| **11:40** | **Dr. Nuriya Platonova**  
Federal Endocrinology Research Center, Moscow | Influence of iron deficiency on the effectiveness of the prevention of iodine deficiency during pregnancy in the regions of the Russian Federation |
| **11:50** | **DISCUSSANT**  
Dr. Roland Kupka  
United Nations Children’s Fund (UNICEF), NY |

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### FRIDAY

#### 10:30 TO 12:00  
RM: COZUMEL 4

**WHAT’S STOPPING YOU? ADDRESSING BARRIERS TO FOOD FORTIFICATION IMPLEMENTATION SUCCESS**  
MODERATOR: MS. SARAH ZIMMERMAN, FOOD FORTIFICATION INITIATIVE (FFI)

<table>
<thead>
<tr>
<th>SPEAKERS</th>
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</table>
| Dr. Ian Darnton-Hill  
University of Sydney/Tufts University | Review of barriers to fortification implementation in countries |
| 10:45    |               |
| Ms. Karen Codling  
Iodine Global Network (IGN) & Food Fortification Initiative (FFI), Asia | Does providing free or subsidized fortificant facilitate sustainable food fortification? Experiences from salt and wheat flour fortification |
| 10:50    |               |
| Dr. Arijit Chakrabarty  
Global Alliance for Improved Nutrition (GAIN) India | How to integrate food-fortification programmatic monitoring into government’s overall food control activities? Experience with salt fortification in India |
| 11:00    |               |
| Ms. Laura Rowe  
Project Healthy Children, USA | How to effectively collate, analyze and report fortification monitoring data? Malawi’s experience with salt, sugar, wheat flour, and maize flour fortification |
| 11:10    |               |
| Mr. Peiman Milani  
PATH | How to overcome the challenges of scaling up food fortification? Two decades of experience with rice fortification |
| 11:30    |               |
| Ms. Becky Tsang  
Food Fortification Initiative (FFI) Asia | Public and private sector dynamics in scaling up rice fortification: the Colombian experience and its lessons |
| 11:40    | Q&A |

#### 10:30 TO 12:00  
COZUMEL 1 & 5

**SCALING UP MICRONUTRIENT INTERVENTIONS TO REACH THE GLOBAL NUTRITION TARGETS: WHAT ARE THE COSTS, BENEFITS, AND SUSTAINABLE FINANCING OPTIONS?**  
DR. MEERA SHEKAR, WORLD BANK

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</table>
| Dr. Jakub Kakietek  
World Bank | Costs and impacts of scaling-up vitamin A and prophylactic zinc supplementation programs |
| 10:45    |               |
| Mr. Dylan Walters  
University of Toronto | Costs and impacts of scaling-up anemia-prevention programs |
| 11:00    |               |
| Dr. Jack Clift  
Results for Development | Financing micronutrient programs: options and scenarios |
FRIDAY

11:15  FACILITATED PANEL DISCUSSION

How realistic are these cost estimates and the financing options? What are the opportunities for additional financing (domestic, ODA and innovative financing)? How can we maximize accountability and better track financial resources available for the micronutrient interventions?

Dr. Ferew Lemma  
Ministry of Health, Ethiopia

Dr. Obey Assery-Nkya  
Office of the Prime Minister  
United Republic of Tanzania

Dr. Ellen Piwoz  
Bill & Melinda Gates Foundation  
(BMGF) TBC

11:40  Q&A

10:30 TO 12:00  COZUMEL 3

OPENING THE DOOR TO THE NEXT GENERATION OF PARTNERSHIPS  
MODERATOR: DR. MANDANA ARABI, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN)

SPEAKERS PRESENTATIONS

10:30  Dr. Mandana Arabi  
Global Alliance for Improved Nutrition (GAIN)  
Partnerships for international development: when to partner, with what objectives, and what are the real costs?

10:45  Dr. J.B. Cordaro  
Mars Incorporated  
The way forward for public-private partnerships: possibilities and challenges from the private sector side

11:00  Dr. Garrett Mehl  
World Health Organization (WHO)  
Reaching out to innovative opportunities for nutrition

11:15  Ms. Florencia Vasta  
Bill & Melinda Gates Foundation  
A novel model of pre-competitive public-private collaboration for nutrition research for vulnerable populations

11:30  DISCUSSION AND Q&A

10:30 TO 12:00  RM, GRAN CANCÚN

INTERVENTION MIX: DETERMINING POLICIES WITH AND WITHOUT DATA  
MODERATORS: DR. LAWRENCE HADDAD, GLOBAL ALLIANCE FOR IMPROVED NUTRITION (GAIN) AND DR. BERENICE GAONA, NATIONAL INSTITUTE OF HEALTH (INSP), MEXICO

SPEAKERS PRESENTATIONS

10:30  Dr. Rajendra Prasad Pant  
Nepal Ministry of Health and Population  
Nepal case study
FRIDAY

10:55  Dr. Juan Angel Rivera Dommarco  
National Institute of Public Health (INSP), Mexico  
Mexico case study

DISCUSSANT

11:20  Mr. Shawn Baker  
Bill & Melinda Gates Foundation (BMGF)

11:35  Q&A

12:00 TO 1:00 / LUNCH BREAK

12:00 TO 2:00  ROOMS ↓

SPONSORED SYMPOSIA

Scaling up micronutrient interventions in Nigeria: one vision and plan for collective action  
COZUMEL 3

12:00 TO 2:00  RM: Xcaret 1

LEARNING CENTRES

National Institute of Public Health Mexico (INSP), Global Alliance for Improved Nutrition (GAIN), Cornell University  
Positioning qualitative research as a key element of implementation research. Key challenges and opportunities  
RM: GRAN CANCÚN

1:00 TO 2:00

POSTER PRESENTATIONS

VIEW LIST OF POSTER PRESENTATIONS ON PAGE 52

PLENARY

2:00 TO 3:30  RM: GRAN CANCÚN

BRIDGING DISCOVERY AND DELIVERY: FUTURE DIRECTIONS FOR THE MICRONUTRIENT FORUM
MODERATOR: DR. LYNETTE NEUFELD, CHAIR, MICRONUTRIENT FORUM INTERNATIONAL STEERING COMMITTEE

SPEAKERS  PRESENTATIONS

2:00  Dr. Lindsay Allen  
University of California, Davis  
Reflections on the Micronutrient Forum Conference program

Simultaneous translation available for this session (Spanish/English)  
La traducción simultánea está disponible en esta sesión (Inglés/Español)
FRIDAY

MODERATED DISCUSSION AND SUMMARY

2:10

Dr. Andrew Prentice
London School of Hygiene and Tropical Medicine (LSHTP)

Mr. Shawn Baker
Bill & Melinda Gates Foundation (BMGF)

Dr. Bonnie McClafferty
Global Alliance for Improved Nutrition (GAIN)

Mr. Mauricio Adade
DSM

Dr. Gonzalo Hernández Licona
National Council for the Evaluation of Social Development Policy (CONEVAL)

Dr. José Ignacio Ávalos
Un Kilo de Ayuda

4:00 TO 5:30  RM: GRAN CANCÚN

KEYNOTE AND CLOSING CEREMONY

SPEAKERS

Dr. Rafael Flores-Ayala
Co-Chair, Micronutrient Forum International Steering Committee

Dr. Juan Angel Rivera Dommarco
Chair, Micronutrient Forum Global Conference 2016 Local Organizing Committee

Dr. Lawrence Haddad
Global Alliance for Improved Nutrition (GAIN)

Dr. José Narro Robles
Ministry of Health

PRESENTATIONS

Words of thanks

Words of thanks

From hidden to centre stage: opportunities to move micronutrient malnutrition higher up the development agenda

Development of the nutrition component of PROSPERA: the role of the Ministry of Health
POSTER PRESENTATIONS

POSTER PRESENTATIONS WILL TAKE PLACE IN THE EXHIBITION AREA OUTSIDE THE GRAN CANCÚN HALL ON THE THIRD FLOOR OF THE CANCÚN CONVENTION CENTER

POSTER SESSIONS
TU & WE: TUESDAY AND WEDNESDAY
TH & FR: THURSDAY AND FRIDAY

POSTER THEMES

53 ASSESSMENT of micronutrients in breastmilk
53 BEHAVIOURAL economics
53 COMMUNICATION and advocacy for micronutrient policies and programs
53 DIETARY assessment: methods and results
53 EFFECTS of interventions on micronutrient content of breastmilk
54 EFFICACY or effectiveness of micronutrient interventions
55 EVALUATION of new biomarkers, analytic methods and biological specimens
55 FINANCING for micronutrient interventions
56 FORMATIVE and/or implementation research to improve program design and/or implementation; process and impact evaluation
58 FUNCTIONAL outcomes: e.g. child development, cognition, growth, stunting, birth outcomes, morbidity, long-term health
59 IMPROVING women’s micronutrient status and functional outcomes for women
59 INNOVATIONS in methods for monitoring and surveillance of programs
60 INNOVATIVE and public-private partnerships in support of micronutrient interventions
60 INNOVATIVE program or delivery models
61 IRON, zinc, vitamin A, iodine, vitamin B12, folate, vitamin D, multiple micronutrients

62 LEADERSHIP and capacity development
62 METHODS for assessing human function in micronutrient interventions
62 MICRONUTRIENTS in emergencies, refugees, and food aid dependent populations
62 MICRONUTRIENTS, overweight and obesity
63 MONITORING and surveillance for tracking progress and program improvement
63 OTHER micronutrient-related interventions (e.g. agriculture, biofortification, education, social protection)
64 PREVALENCE and risk factors for micronutrient status [deficiency, overload]
67 RISKS or risk/benefit of micronutrient interventions
67 STAKEHOLDER mapping and engagement for micronutrient interventions
68 TRANSLATING evidence into policy decisions for micronutrient interventions
68 USE of cash transfers and vouchers to improve micronutrient nutrition
POSTER PRESENTATIONS

ASSessment of Micronutrients in Breastmilk

Masako Fujita / 0043 / TU & WE
Another way milk vitamin A protects infants from mortality: positive correlation between vitamin A and secretory immunoglobulin A antibody in breast milk of mothers in rural Kenya

Shaikh Ahmad / 0154 / TU & WE
Maternal obesity is negatively associated with colostrums vitamin A content

Juliana A. Haber / 0122 / TH & FR
Supplementation of lactating Guatemalan women with a lipid-based nutrient supplement increases infant intake of select micronutrients from breast milk

Alejandra Wiedeman / 0203 / TH & FR
Water-soluble choline content in human milk and its contribution towards the adequacy of dietary choline intake in infants

BEhavioural Economics

Alexandra Towns / 0049 / TU & WE
It is not a weed, it is food! Promoting women and children’s consumption of micro-nutrient-rich African indigenous vegetables in Malawi and Zambia

Paula Dominguez-Salas / 0149 / TH & FR
The role of animal-source food systems in improving nutrition in low-income settings

COMMUNICATION AND ADVOCACY FOR MICRONUTRIENT POLICIES AND PROGRAMS

Sisay Sinamo Boltena / 0027 / TU & WE
Promoting local foods for improved nutrition: opportunities and challenges in meeting micronutrient needs of children in Western Kenya

Van Khanh Tran / 0090 / TU & WE
Large scale fortification in Vietnam: a national strategy

Deepika Mehrish Sharma / 0105 / TU & WE
Applying positive deviance for making adolescent anemia control programme relevant to tribal communities: the experience from Khunti district, India

Salomon Shamosh / 0135 / TU & WE
History, nutrition, health and ecology for the generation of communication strategies regarding spirulina (A. maxima)

Lauren Smith / 0152 / TU & WE
Women as ‘agents of change’ for improved maternal infant and young child nutrition [MIYCN]: evidence from the Rwanda campaign ‘A 1000 days in the land of a 1000 hills’

Madhusree Banerjee / 0122 / TH & FR
Anemia control programs and nutritional issues of adolescent girls in rural Gujarat

Sarah Ngalombi / 0133 / TH & FR
SBCC interventions to address barriers to appropriate use of micronutrient powders (MNPs) in Uganda

Jack Bagriansky / 0202 / TH & FR
Projecting national economic consequences of IDD and benefits of USI

Sudeep Sharma / 0229 / TH & FR
Addressing micronutrient deficiency with policy advocacy

Ranjeeta Rani / 0231 / TH & FR
Effective communication for improved knowledge attitude and practices towards fortified foods

Dietary Assessment: Methods and Results

Abdul-Razak Abizari / 0005 / TU & WE
More than two-thirds of thyroidal iodine in children in Northern Ghana is obtained from bouillon cubes containing iodized salt

Catherine Oladoyinbo / 0009 / TU & WE
Dietary diversity and nutrient intake adequacy among adult women in two local government area, Osun State Nigeria

Imane El Menchawy / 0011 / TU & WE
Eating patterns and iron status of school children in rural Morocco

Fabrice Fabien Dongho Dongmo / 0013 / TU & WE
Effect of some cooking parameters on carotenoids content of Cameroonian foods cooked with crude palm oil (Elaeis guineensis Jacq): case of maize [Zea mais] cake

Vani Sethi / 0035 / TU & WE
Using ProPAN for designing fortnightly counseling sessions to enhance maternal diet diversity in socially backward poverty pockets of Bihar (India)

Rajwinder Harika / 0044 / TU & WE
Bioavailability of iron from iron fortified bouillon cube improves with the addition of food additive tetra sodium pyrophosphate

Khalid El Kari / 0057 / TU & WE
Fruits and vegetables important sources to eliminate vitamin A deficiency in Morocco

Marya Lieberman / 0060 / TU & WE
Laboratory validation of a paper test card for part-per-billion quantification of iodine in simulated urine

Wendy Coyoy Galvan / 0077 / TU & WE
Food and nutritional determinants of zinc deficiency in Guatemalan stunted children under five

Vani Sethi / 0082 / TU & WE
Diagnostic accuracy of mid-upper-arm-circumference for screening thinness in Indian adolescents

Elad Tako / 0088 / TU & WE
Chronic zinc deficiency alters gut microbiota structure and function in vivo (Gallus gallus)

Mestawet Gebremeskel / 0093 / TU & WE
The contribution of home gardens to dietary diversity, vitamin A intake and nutritional status of children 6-23 months: a comparative cross-sectional study in Melga District, southern Ethiopia

Jennifer Coates / 0099 / TU & WE
Scaling up dietary data for decision-making in low-income countries: new technological frontiers

Cristina Palacios / 0110 / TU & WE
Adequacy of micronutrient intake and contribution of supplements among a sample of Puerto Rican infants

Suruchi Pradhan / 0111 / TU & WE
A comparison of dietary diversity, phytate and mineral intake in South Asian women living in United Kingdom and Pakistan

Aniket Daftardar / 0116 / TU & WE
Improving strategies for women in pre and post delivery period by using pulse uv light for vit D fortification

Phuong Nguyen / 0086 / TH & FR
Pregnant adolescents and pregnant adult women in Bangladesh have similarly inadequate dietary micronutrient intakes

Matthew Smith / 0088 / TH & FR
Assessing global diet and nutrient supplies with the new global expanded nutrient supply (GENuS) model
**POSTER PRESENTATIONS**

**Girma Mengistu** / 0090 / TH & FR  
Energy and nutrient intake of infants and young children in pastoralist communities of Ethiopia

**Kendra Byrd** / 0099 / TH & FR  
Leveraging technology: using electronic data collection tools to conduct the four-pass 24 hour recall in the context of the WASH benefits randomized controlled trial

**El Arbi Rjimati** / 0100 / TH & FR  
Micronutrient status in children and pregnant women in two Moroccan regions

**Brekhna Aurangzeb** / 0102 / TH & FR  
Trends and determinants of infant and young child feeding practices (IWCF) in Pakistan

**Prosper Kujinga** / 0121 / TH & FR  
Daily food-based dietary recommendations combined with zinc fortified drinking water ensure nutrient adequacy among 4-6 year old Kenyan children

**Nazia Binte Ali** / 0126 / TH & FR  
Dietary diversity score for food intake of under five children and their association with socio-demographic factors in rural Bangladesh: lessons from a cross-sectional survey

**Kristen Hurley** / 0171 / TH & FR  
Relations between feeding behaviors and infant dietary diversity in rural Guatemala

**Agatha Previdelli** / 0204 / TH & FR  
Malnutrition due to nutrients deficiency in indigenous children of the Huasteca region, Mexico

**Alejandra Wiedeman** / 0205 / TH & FR  
Contribution of dietary choline intake to choline status during early childhood

**Beatriz Basabe Tuero** / 0211 / TH & FR  
Inadequate micronutrient intake in women of childbearing age

**Yunhee Kang** / 0219 / TH & FR  
Association between maternal social capital and dietary diversity among children aged 6-12 months in rural Ethiopia

**D.J. Nithya** / 0222 / TH & FR  
Correlation of dietary diversity with micronutrient intake and blood haemoglobin and serum retinol levels

**EFFECTS OF INTERVENTIONS ON MICRONUTRIENT CONTENT OF BREASTMILK**

**Hassan Aquenaou** / 0087 / TU & WE  
Antenatal care in Rabat and outskirts, Morocco: risk factors for non-attendance

**Florencia Uchendu** / 0002 / TU & WE  
Nigerian biscuits contributed one-half of vitamin A daily requirement of pre-school children

**Lynette Owiti** / 0010 / TU & WE  
Factors influencing adherence to iron and folate supplements by pregnant women attending antenatal clinic at Thika level 5 hospital in Kenya

**Fatima Ezzahra Zahrou** / 0012 / TU & WE  
Can multi-micronutrient milk fortification improve the iodine status, growth and health, of rural Moroccan schoolchildren? A randomized controlled trial

**Alan de Brauw** / 0030 / TU & WE  
Using agriculture to improve child health: results from a randomized controlled trial on vitamin A intake

**Beatrice Brunner** / 0033 / TU & WE  
Reducing micronutrient deficiencies in Pakistan: cost-effectiveness of subsidies on fortified packaged complementary food

**Jai Das** / 0036 / TU & WE  
Systematic review and meta-analysis of nutrition supplementation interventions for pregnant women and children

**Abner Daniel** / 0037 / TU & WE  
Coverage validation of vitamin A in the state of Chhattisgarh, India

**Tanimoune Mahamadou** / 0039 / TU & WE  
Effect of complementary feeding programme using micronutrient fortified blended food on anaemia among refugees in Rwanda

**Khalid El Kari** / 0051 / TU & WE  
Efficiency of the consumption of multiple micronutrients fortified milk on vitamin D status of schoolchildren aged 7-9 years in Morocco

**Keja Joshi Reddy** / 0052 / TU & WE  
Double fortified salt supplementation among Indian pregnant women and effects on neonatal outcome

**Patty Th. Scholten** / 0054 / TU & WE  
Effectiveness of nutrition interventions attempting to improve maternal and child health in North Africa: a bibliographic analysis of articles from 2000–2015

**Nicole Stoffel** / 0059 / TU & WE  
A comparison of iron absorption from single versus twice daily dosing and from consecutive versus alternate day dosing in iron-depleted women by using iron stable isotopes

**Sidelsi Suárez Fundora** / 0070 / TU & WE  
Clinical-hematological evaluation of neotrofin in the treatment of anemic pregnant woman in 10 De Octubre municipality.

**Huong Cao** / 0074 / TU & WE  
Effect of weekly dose of MNP combined with nutritional education on nutritional status and hemoglobin concentration of Vietnamese children aged 6-23 months in midland area

**Jean Max Beaulliere** / 0080 / TU & WE  
Using formative research to design the introduction of micronutrient powder in Guinea

**Crystal D. Karakochuk** / 0082 / TU & WE  
The effect of oral iron with or without multiple micronutrients on hemoglobin concentration among anemic non-pregnant Cambodian women of reproductive age: a 2x2 factorial randomized controlled supplementation trial
POSTER PRESENTATIONS

Leah Perlas / 0075 / TH & FR
Pregnant and lactating women and the elderly still iodine deficient 20 years after USI in the Philippines

Yunhee Kang / 0077 / TH & FR
Mid-program impact on feeding frequency and dietary diversity among infants and young children in rural Malawi

Junsheng Huo / 0078 / TH & FR
Systematic review and meta analysis on nutrition intervention effect of YYB for infants and young children in China

Malay Mridha / 0096 / TH & FR
Daily lipid based nutrient supplements containing 800 μg vitamin A increased serum retinol-binding protein in lactating but not in pregnant women in rural Bangladesh

Mario Capanzana / 0116 / TH & FR
Vitamin D fortified milk: dose response study

Bernard Ilboudo / 0129 / TH & FR
Cluster-randomized trial protocol for analysis of the effect of individual support of the pregnant woman at home, associated with appropriate prenatal cares on the prevention and management of anemia in pregnancy in the health rural district of Sindou (Burkina Faso)

Emily M. Teshome / 0131 / TH & FR
Daily home fortification with 12.5mg iron as ferrous fumarate versus 3mg iron as NaFeEDTA: a randomized, placebo-controlled, non-inferiority trial in Kenyan children

Feruza Ospanova / 0256 / TH & FR
External quality assessment program for iodine deficiency disorders (IDD) monitoring in Central Eastern Europe and Commonwealth Independent States (CEE/CIS) region by reference lab of Kazakh Academy of Nutrition (KAN)

Daniela Medeiros / 0141 / TH & FR
The effect of folic acid supplementation with ferrous sulfate on the linear and ponderal growth of children aged 6-24 months

Denish Moorthy / 0142 / TH & FR
Systematic review of reviews: comparing nutrition-specific and -sensitive intervention impacts on anemia and hemoglobin concentrations

Rita Wegmüller / 0148 / TH & FR
Efficacy of hepcidin-based screen-and-treat approaches using two different doses vs a standard universal approach of iron supplementation in young children in rural Gambia: a double-blind randomized controlled trial

Cornelius M. Smuts / 0257 / TH & FR
Randomized controlled trial on the effects of lipid-based nutrient supplements on linear growth of 6 month-old infants in South Africa

Mehdi Aztal / 0170 / TH & FR
Efficacy study of the consumption of multiple micronutrients fortified milk on the nutritional status of vitamin A among school children in rural region in Morocco

Mari Skar Manger / 0172 / TH & FR
Effects of prenatal lipid-based nutrient supplementation on birth outcomes: a systematic review and meta-analysis

Pallavi Panth / 0175 / TH & FR
Is there an increased risk of iodine deficiency among reproductive-age women [18-45] with “normal” thyroid function?

Rebecca Campbell / 0180 / TH & FR
Daily complementary food supplementation improves micronutrient status in 18 month old children in rural Bangladesh

Neal Craft / 0187 / TH & FR
Impact of provitamin A biofortified maize consumption on carotenoid status of Zambian children

Cristieli Oliveira / 0190 / TH & FR
Multiple micronutrients in powder through primary healthcare reduce iron deficiency, vitamin A deficiency and improve nutritional status in young Brazilian Amazonian children: a pragmatic controlled trial

Tawanda Muzhingi / 0212 / TH & FR
Peanut butter increase the bioavailability and bioconversion of kale β-carotene to vitamin A

Alejandra Contreras-Manzano / 0024 / TH & FR
Anemia, iron deficiency and iron deficiency anemia in Mexican elderly population from ENSANUT 2012

Umu Hawa Jallow / 0059 / TH & FR
Impact of Ebola on mass vitamin A supplementation and deworming coverage in Sierra Leone

Mohammed Amine Radouani / 0089 / TH & FR
Relation between leptin-adiponectin ratio and body fat, insulin, glucose and lipid profile during normal pregnancy

Sun Eun Lee / 0094 / TH & FR
Clusters of micronutrients associated with single plasma proteins reflect homeostatic regulation in Nepalese children

Wanqi Zhang / 0164 / TU & WE
Estimation of urinary iodine excretion by iodine/creatinine ratio from morning spot urine in school-age children

Emily M. Teshome / 0175 / TU & WE
Diagnostic test performance of zinc protoporphyrin to detect iron deficiency in Kenyan preschool children

Marija Knez / 0231 / TU & WE
An initial evaluation of newly proposed biomarker of zinc status in humans—linoleic acid: dihomo-γ-linolenic acid (LA:DGLA) ratio

Guy-Marino Hinnouho / 0236 / TU & WE
Comparison of hemoglobin assessments by Hemocue® and by automated hematology analyzer in young children: evidence from the Lao zinc study

FINANCING FOR MICRONUTRIENT INTERVENTIONS

Robert James Reid / 0107 / TH & FR
Cost assessment of free-public and market-based distribution models of superkild micronutrient powder (MNP) in Lao PDR

Sanjeev Kumar / 0156 / TU & WE
Costs of childhood diarrhoea management program and scale-up feasibility under public sector in Bihar state of India

EVALUATION OF NEW BIOMARKERS, ANALYTIC METHODS AND BIOLOGICAL SPECIMENS

Samson Gebremedhin / 0006 / TH & FR
Validity of reported night blindness as an indicator of vitamin A deficiency status during pregnancy
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Mary D’Alimonte / 0213 / TU & WE
Financial needs to achieve the global nutrition target for anemia in women: how much will it cost and how to pay for it?

Victor Talone / 0028 / TH & FR
Consumer acceptance and preference of biofortified yellow cassava in the western provinces of the Democratic Republic of Congo

Alexis D’Agostino / 0029 / TH & FR
Reflecting on experiences to improve programming: looking at micronutrient powder distribution qualitatively

Sarah Ngalombi / 0250 / TU & WE
Piloting through partnership: micronutrient powders in Uganda

Rizwan Yusufali / 0250 / TH & FR
Scaling up rice fortification: a case for adopting a wider geographic perspective in the design of programs

Kamrun Nahar / 0251 / TU & WE
Adapting and testing the Nurturing Connections© approach to improve behaviour change interventions to promote optimal intra-household nutrition practices

Ngozi Nnam / 0036 / TH & FR
Iron, β-carotene and vitamin C contents of some underutilized vegetables in south eastern Nigeria

Christina Nyhus Dhillon / 0039 / TH & FR
Operationalizing micronutrient powder programs: lessons learned from the USAID/SPRING MNP consultation

Alison Tumilowicz / 0040 / TH & FR
Application of focused ethnography to elaborate a program impact pathway: an example from a micronutrient powder project in Ethiopia

Angella Ateru Atwaru / 0050 / TH & FR
Promoting biofortified crops using positive deviant lead mothers

Shariqua Khan / 0052 / TH & FR
Scaling up fortification of rice through the government’s school feeding programme in Odisha, India

Donald Cole / 0055 / TH & FR
Planning an integrated agriculture and health program to improve nutrition outcomes using biofortified sweetpotato and designing its evaluation: experience from western Kenya

Inge D. Brouwer / 0057 / TH & FR
Local capacity building and mobilising community support are important determinants of success for a large scale community-based complementary food project in Ethiopia

Nicola Martin / 0058 / TH & FR
Improved women’s nutrition through affordable nutritious foods in Bangladesh

Aregash Samuel Hafebo / 0062 / TH & FR
Promotion of local foods with provision of MNPs or sq-LNS can improve nutrient adequacy for 6-23 month old children in Tigray, Ethiopia

Césaire T. Ouédraogo / 0065 / TH & FR
The impact of a programmatic intervention to promote increased antenatal care seeking and iron-foal acid supplement consumption in Zinder, Niger

Hanqi Luo / 0067 / TH & FR
Predicted effects of current and potential micronutrient intervention programs on adequacy of iron intake in a national sample of women and young children in Cameroon

Michael Diressie / 0072 / TH & FR
Factors influencing consumers’ willingness-to-pay for vitamin A biofortified yellow cassava foods in Kinshasa and Bas Congo provinces of D.R. Congo

Michael Diressie / 0073 / TH & FR
Evaluation and intention to adopt vitamin A maize among women in Eastern Province, Zambia

Renuka Jayatissa / 0074 / TH & FR
Effectiveness of multiple micronutrient supplementation programme in Sri Lanka

Kenda Cunningham / 0079 / TH & FR
Participation in homestead food production activities improves maternal dietary diversity

Pooja Pandey Rana / 0080 / TH & FR
Lactation management in Nepal, a scalable model for increasing early and exclusive breastfeeding

FORMATIVE AND/OR IMPLEMENTATION RESEARCH TO IMPROVE PROGRAM DESIGN AND/OR IMPLEMENTATION; PROCESS AND IMPACT EVALUATION

Samson Gebremedhin / 0005 / TH & FR
The effectiveness bundling of zinc with oral rehydration salts (ORS) for improving adherence to acute watery diarrhea treatment in Ethiopia: cluster randomised controlled trial

Adewale Oparinde / 0009 / TH & FR
Developing country consumers’ acceptance of biofortified foods: a synthesis

Dylan Walters / 0012 / TH & FR
Potential for fortification of locally produced oil: vitamin A status of children under five in two districts of Tanzania

Medina Wandella / 0013 / TH & FR
The effects of simulated consumption of biofortified cassava on dietary vitamin A inadequacy among rural primary school children aged 6-12 years in Kibwezi District, Eastern Kenya

Laura A. Rowe / 0015 / TH & FR
How to improve food fortification program compliance: bridging the gap between the ideal and the pragmatic

Rizwan Yusufali / 0020 / TH & FR
Optimization of cost contributors for rice fortification

Kuong Khov / 0021 / TH & FR
Stability of vitamin A, iron and zinc in fortified rice during storage and its impact on future national standards and programs-case study in Cambodia

Peiman Milani / 0026 / TH & FR
Piloting a commercial model for rice fortification: lessons learned from Brazil (track 3, session 14.3a)
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Preetu Mishra / 0081 / TH & FR
The adverse side effects and other factors inhibiting compliance in India’s weekly iron folic acid supplementation programme

Kenda Cunningham / 0083 / TH & FR
Improving maternal and child nutrition practices in Nepal

Megan Landry / 0091 / TH & FR
Maternal diet during pregnancy and lactation: current evidence and implications for programs

Aminuzzaman Talukder / 0097 / TH & FR
Improved food security and increased production, dietary diversity and income among participating households in a cluster randomized control trial of homestead food production with or without aquaculture in Prey Veng province, Cambodia

Pham Kim Ngoc / 0098 / TH & FR
The multiple dimensions of inequality influencing nutrition related outcomes in Son La Province, Vietnam: findings from a household survey

Mahfuzur Rahman / 0101 / TH & FR
Opportunities and challenges of market based approach to promoting home fortification with micronutrient powder through frontline volunteer health workers in Bangladesh

Fakhir Uddin / 0105 / TH & FR
Programmatic determinants of high and low performances of home fortification program with micronutrient powder in Bangladesh

Judy McLean / 0147 / TU & WE
From evidence to national scale: the case of micronutrient powders in Rwanda

Martina Northrop-Lyons / 0149 / TU & WE
Lessons learned on the importance of monitoring for action and community sensitization and mobilization during the home fortification with MNP pilot in Northern Zambia

Haribondhu Sarma / 0155 / TU & WE
Effects of home contact by frontline volunteer health workers in improving program coverage of home fortification with micronutrient powder in Bangladesh

Fanny Sandalinas / 0163 / TU & WE
Formative work to design the packaging of micronutrient powders (MNPs) for home fortification programs in 3 countries in west and central Africa

Simon Wieser / 0166 / TU & WE
Does it work? Is it worth it? Evaluating the costs and benefits of micro-nutritional interventions

Esther Kariuki / 0172 / TU & WE
Mobile phone texting in building adherence to iron and folic acid supplementation among pregnant women in Kenya

Tobi Osunkentan / 0173 / TU & WE
Understanding the Hausa socio-cultural context in Northern Nigeria — informing behaviour change messaging using cultural domain analysis

Marti van Lier / 0177 / TU & WE
What do we know about her: identifying entry points for nutrition interventions targeting adolescent girls in India, Pakistan and Indonesia

David Doledec / 0179 / TU & WE
SMS reminders and vocal messages increase adherence to immunization and 6-month vitamin A supplementation

Phillip Makhumula / 0182 / TU & WE
Homogeneity of vitamin A fortified sugar distributed in Malawi as a direct result of the type of premix used

Hermann Lanou / 0184 / TU & WE
Barriers and enablers of mothers using community-based nutrition services and MNPs in rural Burkina Faso

Annette Imohe / 0185 / TU & WE
Participatory formative research to develop a social marketing strategy in Northern Nigeria

Josiah Omotoyo / 0186 / TU & WE
A comprehensive program model for integrating prenatal calcium and iron supplementation into primary healthcare in Western Kenya

Alia Poonawala / 0187 / TU & WE

Tobi Osunkentan / 0189 / TU & WE
Key fieldwork lessons from conducting multi-site formative research to inform development of an integrated nutrition program for children 6–23 months in Northern Nigeria

Melissa Young / 0190 / TU & WE
Assessing feasibility and program effectiveness of home fortification of complementary foods in Bihar: design and methodology

Greg S. Garrett / 0194 / TU & WE
Knowledge, attitude and practices among consumers regarding fortified foods in Vietnam

Carol Leagon / 0199 / TU & WE
Cost and cost-effectiveness of Mama-SASHA—a project to improve health and nutrition of women and children through an integrated orange-fleshed sweetpotato production and health service delivery model in Kenya

Caitlin Gomez / 0205 / TU & WE
Sierra Leone: post Ebola resilience plan includes scaling up MNP for children 6-23 months

Annette Imohe / 0209 / TU & WE
Understanding local infant and young child feeding practices to create an effective micronutrient powder program in Northern Nigeria

Jonathan Gorstein / 0210 / TU & WE
National policy responses to iodine deficiency disorders: iodine supplementation in Indonesia, the Philippines, and Thailand

Jennifer Busch-Hallan / 0211 / TU & WE
How to reach an additional 2 million pregnant women per year with the right dose of iron and folic acid supplements: evidence-informed program design in 8 high burden countries

Stephen Kodish / 0212 / TU & WE
Multi-phase formative research to understand micronutrient powder (MNP) acceptance and utilization among children aged 6 – 23 months in Northern Nigeria

Johana Rocío Ruiz Murcia / 0214 / TU & WE
Evaluation of the content of iron and folic acid in bakery products made with fortified wheat flour in Colombia

Douglas Taren / 0219 / TU & WE
Mother and child vitamin A deficiency clump together but not iron deficiency in Benin

Tausif Janju / 0221 / TU & WE
Stability of potassium iodate (KIO3) in different types of edible salt and packing materials under different climatic conditions in Pakistan
POSTER PRESENTATIONS

Mario Capanzana / 0227 / TU & WE
From pyramid to plate: a formative research on the development of a Filipino food guide

Abanti Zakaria / 0228 / TU & WE
Implementation science in practice: vitamin A supplementation global programming

Meseret Azene / 0234 / TU & WE
Iron fractionation of cereals contaminated with different types of Ethiopian soils and its consequence on bioaccessibility

M. Michelle Jimenez / 0237 / TU & WE
Consumption of multi-micronutrient powders (MMNP) in young children: knowledge, perceptions and practices of families, health personnel and other community actors in 3 regions of Peru

Tanjul Saxena / 0239 / TU & WE
Use of fortified ata by community using small chakki for flour fortification: a pilot project in tribal blocks of Udaipur District, Rajasthan India

Vincent Assey / 0242 / TU & WE
Rolling up food fortification to rural areas in Tanzania

Carol Henry / 0243 / TU & WE
Starting young incorporating local pulses in the menus of childcare centers in Saskatoon: a pilot intervention

Samson Gebremedhin / 0007 / TU & WE
Vitamin A supplementation and childhood morbidity from diarrhea, fever, acute respiratory infections and anemia in sub-Saharan Africa: evidence from 28 demographic and health surveys

Tsegede Hailemariam / 0017 / TH & FR
Prevalence of chronic malnutrition (stunting) and associated factors among children aged less than 24 months in west part of Ethiopia

Yasir Bin Nisar / 0022 / TH & FR
Iron-folic acid supplementation during pregnancy reduces the risk of stunting in children less than 2 years of age: a retrospective cohort study from Nepal

Fabian Rohner / 0025 / TH & FR
Associations between stunting and zinc deficiency in pre-school aged children in Azerbaijan

Hermano Rocha / 0030 / TH & FR
Vitamin A supplementation different effect on morbidity in girls and boys: transversal series household population study in northeast of Brazil, 1987 to 2007

Brietta M. Oaks / 0049 / TH & FR
Associations of maternal hemoglobin and iron status with pregnancy outcomes in three countries

Phuong Nguyen / 0084 / TH & FR
Effects of weekly supplementation with multiple micronutrients or iron and folic acid before conception on offspring development at 2 years of age in Vietnam

Ines Gonzalez-Casanova / 0121 / TU & WE
Effects of preconception supplementation with multiple micronutrients or iron and folic acid compared to folic acid only on offspring linear growth during the first two years of life: a randomized controlled trial in Vietnam

Giovanna Gatica-Dominguez
0087 / TH & FR
Plasma folate and vitamin B12 during pregnancy and child neurodevelopment over the first 30 months of age: a cohort study

Aminata Shamil Koroma / 0128 / TU & WE
Infant and young child feeding practices among caretakers of children 0-23 months in Sierra Leone prior to the Ebola outbreak

Hassan Aqonaou / 0129 / TU & WE
Anemia in pregnancy: pregnancy outcome and neonatal data in a Moroccan population

Elizabeth Prado / 0131 / TU & WE
Effects of small quantity lipid-based nutrient supplements on neurobehavioral development in the international lipid-based nutrient supplements (ILINS) project

Laxmi Majji / 0139 / TU & WED
Delivering tribal pregnant and lactating mothers a daily nutritional boost through women self-help group platforms: evidence from states of Andhra Pradesh and Telangana, India

Tazeen Tahasina / 0165 / TU & WE
Determining factors of childhood wasting in rural Bangladesh: lessons from a cross-sectional survey

Ahmadwali Aminee / 0171 / TU & WE
Calcium supplementation among targeted pregnancies: a life saving strategy to reduce the risk of eclampsia and maternal and newborn deaths

Yaw Addo / 0180 / TU & WE
Associations between acute phase proteins and stunting in children under 5 y: a multi-country analysis

Barbara Stoeker / 0203 / TU & WE
Goiter but not thyroid hormones were affected by iodine supplementation in lactating women in rural Ethiopia

Veronica Mundo Rosas / 0218 / TU & WE
Impact of “the national crusade against hunger [CNCH]” over anemia prevalence in precholor children

Jaqueline Lepsch / 0220 / TH & FR
Association between early pregnancy vitamin D inadequacy and changes on serum lipid profile throughout pregnancy

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IMPROVING WOMEN’S MICRONUTRIENT STATUS AND FUNCTIONAL OUTCOMES FOR WOMEN

Clayton Ajello / 0016 / TH & FR
Leveraging a proven approach to achieve large-scale deployment of multi-micronutrient supplements to pregnant, nutritionally at-risk, hard-to-reach women

Tanimoune Mahamadou / 0031 / TH & FR
Promoting women nutrition in Nyamagabe and Rutsiro Districts in Rwanda

Sara Fikru / 0037 / TH & FR
Nutrition education impacts on the perceived barriers of pulse processing and consumption in regard of nutritional benefits/macro & macro nutrients in a rural community in Oromia, Ethiopia

Christina Tzogiou / 0251 / TH & FR
Impact of maternal malnutrition on child health: what do we know about its social costs and the cost-effectiveness of food-fortification?

Sheela Sinharoy / 0048 / TH & FR
Women’s dietary diversity in rural Bangladesh: pathways through women’s empowerment

Elifatio Elinafasi Towo / 0069 / TH & FR
Food fortification strategies as integrated interventions for improving nutrition outcome of women and children in Tanzania

Mekonnen Tesfamariam / 0095 / TU & WE
Improving dietary diversity of women and children through homestead vegetable production coupled with cooking demonstration and behavior change communication

Semalign Samuel / 0122 / TU & WE
Anemia and associated factors among pregnant women attending antenatal care services in public health centers of Kembata Tembaro Zone, southern Ethiopia

Julius J. Okello / 0141 / TU & WE
Determinants of participation in an integrated agriculture-health intervention using biofortified sweetpotato and impacts on health service utilization by pregnant women

Chowdhury Abdullah Al Asif
0153 / TU & WE
Increases in dietary adequacy and food security among extremely poor households in Bangladesh: a quasi-experimental evaluation of making markets work for women (M2W2)

Wanqi Zhang / 0169 / TU & WE
Research of the average requirement of iodine intake in euthyroid Chinese women of childbearing age

Indira Bose / 0174 / TU & WE
The difficulty of meeting the nutrient requirements of adolescent girls: a cross-comparison of three different cost of the diet studies in El Salvador, Ghana and Madagascar

Elaine A. Yu / 0217 / TU & WE
Anemia and tuberculosis among patients in rural South India

Abimbola O. Ajomale / 0226 / TH & FR
Iodine deficiency among female undergraduate students in a peri-urban area of Ogun State, Southwest Nigeria

Elizabeth Parkes / 0238 / TH & FR
Enhancing nutrition and capacity strengthening of farmers in selected communities in Nigeria

INNOVATIONS IN METHODS FOR MONITORING AND SURVEILLANCE OF PROGRAMS

Peng Liu / 0006 / TU & WE
Should urinary iodine concentration of school-aged children continue to be used as a proxy of iodine status for different adult population groups?

Fabian Rohner / 0021 / TU & WE
Comparative validation of five quantitative rapid test kits for the analysis of salt iodine content: laboratory performance, user- and field-friendliness

Rabi N. Parhi / 0034 / TU & WE
‘Wall mark and armband’: feasibility and diagnostic accuracy of using simple screening tools for maternal low stature and maternal wasting by frontline workers during monthly village health days in Bihar, India

Amir Makhmudov / 0106 / TU & WE
Creating sustainable and measurable progress in monitoring the iodine nutritional status of a population: external quality assurance and iodine

Emmerentia Elza Strydom
0120 / TU & WE
Evaluation of an inexpensive and disposable paper analytical device (saltPAD) for quantifying iodine in iodized salt

Mary Christine Castro / 0158 / TU & WE
Validation of a semi-quantitative test for vitamin A detection in coconut cooking oil

Mary Christine Castro / 0159 / TU & WE
Accuracy in quantification of vitamin A levels in coconut cooking oil using a portable device: agreement, sensitivity and specificity

Annette Imohe / 0183 / TU & WE
Improving the performance of maternal, newborn and child health weeks in Nigeria through a real-time monitoring tool

Veronica Lopez-Teros / 0146 / TH & FR
Retinol transfer from the mother to the breastfed infant in agricultural and urban regions in northwest-Mexico, assessed by stable isotopes

Ogechi Akalonu / 0159 / TH & FR
Planning and reporting tool enhances supply management for maternal new-born and child health week saving $436,000 in resources

Julia Krasevci / 0162 / TH & FR
Trends in estimated national 2-dose vitamin A supplement coverage among children aged 6-59 months

Christine Northrop-Clewes
0164 / TH & FR
Comparison of algorithms for adjusting serum retinol concentrations in the presence of an acute phase response using data from four countries

Carine Mapango / 0166 / TH & FR
Laboratory and field manual for specimen collection, field testing, specimen processing, storage, and shipment: a tool for nutrition surveys

Maria del Carmen Morales Ruan
0177 / TH & FR
Validation of Masimo Pronto 7 for the determination of hemoglobin concentrations in children from 1 to 5 years old in Mexico

Lucia Cuevas Nasu / 0185 / TH & FR
Is there a relationship of household food insecurity and anemia in children receiving the benefit from food assistance programs in Mexico?
POSTER PRESENTATIONS

INNOVATIVE AND PUBLIC-PRIVATE PARTNERSHIPS IN SUPPORT OF MICRONUTRIENT INTERVENTIONS

Edwin Habeych / 0054 / TH & FR
Iron stabilization in food—an industry perspective

Hajra Hafeez-ur-Rehman / 0256 / TU & WE
National fortification alliances (NFAs): program guidance based on lessons learned from nine countries

Suvabruta Dey / 0134 / TH & FR
Catalyze consolidation of the salt industry to achieve universal salt iodization (USI)

Andreas Blüthner / 0201 / TU & WE
Fortification of staple foods in Central America

Andreas Blüthner / 0202 / TU & WE
The affordable nutritious foods for women (ANF4W) partnership

INNOVATIVE PROGRAM OR DELIVERY MODELS

Felix Brooks-Church / 0016 / TU & WE
Bridging the gap between national nutrition programming and rural at-risk communities through small-scale fortification

Ann Micka / 0248 / TH & FR
Addressing a gap in prenatal and postnatal multiple-micronutrient supplement coverage for low-income pregnant and lactating women in the United States

Vani Sethi / 0024 / TU & WE
Harnessing power of women collectives to deliver proven nutrition-sensitive and nutrition-specific interventions for improving women’s nutrition in three Indian states — Bihar, Chhattisgarh, and Odisha

Sourav Bhattacharjee / 0025 / TU & WE
Are women’s collectives’ effective vehicles for improving women’s nutrition in tribal eastern India? Findings of a scoping study

Sisay Sinamo Boltena / 0026 / TU & WE
The impact of community resource persons on demand and uptake of biofortified crops: a case study of Northern Uganda

Sanjay Rijal / 0038 / TU & WE
Improving the consumption of vitamin ‘A’ rich food among children age 6-23 months through child cash grant in the most deprived areas of Nepal

Panam Parikh / 0055 / TU & WE
Can including milk in a phytate-rich local diet be an effective strategy to combat zinc deficiency?

Lelisse Keno / 0061 / TU & WE
Influence of community maternal and newborn health and nutrition (CMNHN) family meetings on maternal and newborn nutrition in pastoralist community, Afar region, Ethiopia

Myriam Sidibe / 0073 / TU & WE
Follow in my green footsteps: a branded school- and community-based programme to improve iron intake in Nigeria

Aregash Samuel Hafebo / 0076 / TU & WE
Knowledge, attitude and practices of caregivers using MNPs in a program setting in Ethiopia

Giriraj Subedi / 0089 / TU & WE
Increasing consumption of adequately iodized salt in two priority districts of Nepal

Kamran Rizvi / 0092 / TU & WE
Positioning maternal nutrition at the centre of undernutrition reduction strategy: a case study from Uttar Pradesh

Getu Tarekegn / 0115 / TU & WE
Integrating vitamin A supplementation (VAS) intervention into routine health systems for program sustainability in Ethiopia

Justine Kavle / 0288 / TU & WE
Community-based distribution of iron-folic acid supplementation: evidence and program implications for anemia programming for women and girls

Keith Porter / 0136 / TU & WE
Motivational factors of village health volunteers (VHV) delivering nutrition services in Cambodia

Roland Kupka / 0145 / TU & WE
The role of micronutrient powders in improving complementary feeding practices

Martina Northrop-Lyons / 0150 / TU & WE
Village Lao women’s union volunteers are instrumental in the uptake of the superkid home fortification programme with micronutrient powders (MNP) in Lao PDR

Fanny Sandalinas / 0123 / TH & FR
Child health days (CHD): an opportunity to strengthen birth registration

Dipankar Chakma / 0125 / TH & FR
Making markets work for women (M2W2): an innovation achieving household micronutrient adequacy through poultry raising

Md. Ataur Rahman / 0130 / TH & FR
Improved interpersonal counselling (IC) by health workers and supply chain enhances the utilization of iron-folic acid supplements (IFAS) among pregnant mothers in selected districts of Bangladesh: a case study

Kroen Hou / 0132 / TH & FR
A community based distribution strategy using village health volunteers (VHV) is effective in increasing coverage of micronutrient powders (MNPs) among children 6-24 months in Cambodia

Marti J. van Liere / 0136 / TH & FR
Understanding and increasing the potential of markets to improve infant and young child nutrition: using a program impact pathway

Edgar Onyango / 0137 / TH & FR
Use of early child development centres (ECD) increases coverage of routine vitamin A supplementation (VAS) to children 12 to 59 months of age

Tausif Janjua / 0139 / TH & FR
Demonstrating a model to reach target population in geographical areas not covered by lady health workers (LHW) in Pakistan

Victoria Azodoh / 0140 / TH & FR
External monitoring of maternal new-born and children health weeks with SMART tablets improves accountability and transparency

Payal Gupta / 0152 / TH & FR
Essential program elements to scale up the use of zinc and ORS in childhood diarrhoea treatment program: experiences from Asia
Jeanne Ejigui / 0197 / TH & FR
Design of an operational implementation approach for scaling of community-based home fortification (HF) program coupled with IYCF in four health districts [HD] in the northern region of Cameroon

Letje Reerink / 0194 / TH & FR
Factors for successful implementation of market based approaches to deliver micronutrient powders to communities

Manoj Raut / 0198 / TH & FR
Revitalising iron and folic acid (IFA) supplements for pregnant women as a key component of the ante-natal care (ANC) package: program experiences of demonstration projects in two populous countries of Bangladesh and Indonesia in Asia

Elisa Cadena / 0201 / TH & FR
National program for the prevention and reduction of nutritional anemia for infants and young children

Elijah Mbiti / 0206 / TH & FR
Effectiveness of non-conventional delivery platforms in improving access of ORS and zinc in Narok County, Kenya

Marcela Saises / 0209 / TH & FR
Fortified rice-mongo curls: opportunity for improving the nutritional requirements of children six (6) months to five (5) years old for iron and zinc

Sudeep Sharma / 0228 / TH & FR
Village-level wheat flour fortification to improve the nutritional status of tribal population

Lauren Wilner / 0234 / TH & FR
Successful improvement of micronutrient content in corn soy blend (CSB) porridge used for treatment of moderate acute malnutrition (MAM) through a social behavior change communication (SBCC) intervention aimed at increasing amount of added fortified vegetable oil (FVO)

**IRON, ZINC, VITAMIN A, IODINE, VITAMIN B12, FOLATE, VITAMIN D, MULTIPLE MICRONUTRIENTS**

Julíán Herrera Mejía / 0003 / TH & FR
Calcium effect on genes expression involved in non-heme iron absorption by intestinal epithelial cells: Caco-2

Kifile Habe / 0004 / TH & FR
Iron, folate and vitamin B12 status of Ethiopian professional runners

Umesh Kapil / 0007 / TH & FR
Status of iodine nutrition among pregnant mothers in selected districts of Uttarakhand, India

Selekane Hailemariam / 0018 / TH & FR
Availability of adequately iodized salt on prevention of iodine deficiency disorders at household level and associated factors in Lalo Assabi District, West Wollega Zone, Oromia region, west Ethiopia

Ijeoma Eboagwu / 0012 / TH & FR
Physical and sensory properties of soycheese as a potential carrier for micronutrient sprinkles production

Alejandra Contreras-Manzano / 0023 / TH & FR
Vitamin D deficiency (VDD) and insufficiency (VDI) was associated with cardiovascular risk factors in 20-49 years of age

Manju Reddy / 0033 / TH & FR
Novel iron enriched aspergillus oryzae that has similar absorption as ferrous sulfate in humans: potential to be used as a fortificant

Laura Hackl / 0043 / TH & FR
Iron bioavailability from ferric pyrophosphate in extruded rice cofortified with zinc oxide or zinc sulfate: a human stable isotope study

Marly Cardoso / 0045 / TH & FR
Home fortification with a multiple micronutrient powder reduces vitamin A deficiency in young Brazilian children

Helena Pachón / 0053 / TH & FR
Relationship between fortified wheat flour consumption and prevalence of iron deficiency and anemia in Colombia

**Taddese Alemu / 0060 / TH & FR**
Level of dietary factors inhibiting bioavailability of iron in major prepared “ready to eat” foods consumed by pregnant mothers in rural Arsi, central Ethiopia

**Elad Tako / 0071 / TH & FR**
Studies of cream seeded carioca beans (Phaseolus vulgaris L) from a Rwandan efficacy trial: in vitro and in vivo (including effects on intestinal microbiome) screening tools reflect human studies and predict beneficial results from iron biofortified beans

Marinel Rothman / 0103 / TU & WE
Feeding practices in relation to nutritional status of 6-month old infants from a peri-urban setting in South Africa

**Nancy Krebs / 0110 / TU & WE**
Maternal preconception anthropometry in four diverse sites prior to nutrition intervention

**Fernando Pizarro / 0113 / TU & WE**
Calcium does not affect zinc absorption in humans

**Gabriela Galan / 0114 / TU & WE**
Blueberry inhibit the absorption on non-heme iron

**Mamady Daffe / 0118 / TU & WE**
Assessing iodine content in salt and mapping salt production in Guinea

Brekhna Aurangzeb / 0143 / TU & WE
Hemoglobin, calcium and bone mineral density in children with coeliac disease

**Imelda Dugay / 0157 / TU & WE**
A double-blind randomized placebo-controlled trial evaluating the effect of micronutrient powder (MNP) on urinary iodine levels of Filipino children aged 4 – 6 years

**Sokhoing Ly / 0255 / TU & WE**
Median urinary iodine concentrations are indicative of adequate iodine status among women of reproductive age in Prey Veng, Cambodia
POSTER PRESENTATIONS

Malavika Vinodkumar / 0196 / TU & WE
A study in improving micronutrient status of women and children in communities using crystal salt enriched with multiple micronutrients

Valeria Galetti / 0206 / TU & WE
Population biomarker kinetics of iron status and hepcidin during iron fortification in Moroccan children: a double-blind, randomized controlled trial

Kerry Schulze / 0225 / TU & WE
Newborn micronutrient status in the JiVitA-3 trial of antenatal multiple micronutrient (MM) and iron-folic acid (IFA) supplementation

Jeannine Baumgartner / 0232 / TU & WE
Iodine status of complementary-fed South African infants receiving lipid-based nutrient supplements: a randomized controlled trial

Cecília Zanin Palchetti / 0233 / TU & WE
Association between serum unmetabolized folic acid concentrations and folic acid from fortified foods

Edwin Habeych / 0235 / TU & WE
Multifortification of bouillon in central and east Africa — feasibility and cost efficiency

LEADERSHIP AND CAPACITY DEVELOPMENT

Aynalem Firew / 0044 / TH & FR
Building capacity in continuous quality improvement for maternal nutrition in the Afar region of Ethiopia

Hajira Amin / 0051 / TH & FR
Knowledge and skills retention among community volunteers following community maternal and newborn health and nutrition (CMNHN) training in the Afar region of Ethiopia

Chitrarpita Saha / 0092 / TH & FR
Identification and promotion of positive deviant behaviours (PDB) regarding infant and young child feeding (IYCF) among rural mothers for improving child health and nutrition—a cross sectional study

Jessica Fanzo / 0134 / TU & WE
Ethical dilemmas of improving undernutrition: a moral obligation to coordinate and collaborate

Hala Boukerdenna / 0229 / TU & WE
Management of conflicts of interest in the context of food fortification in public health

Rosemary Mwaiakaza / 0238 / TU & WE
Assessment of capacity needs for effective monitoring of nutritious and fortified foods in the EESSA region

Deepti Gulati / 0240 / TU & WE
Bridging the nutrition gap through public private partnership

Deepti Gulati / 0230 / TH & FR
Edible oil fortification in Rajasthan: enriching foods, enriching lives

METHODS FOR ASSESSING HUMAN FUNCTION IN MICRONUTRIENT INTERVENTIONS

Hassan Aguenou / 0068 / TH & FR
Practices of mothers and health professionals about complementary feeding in twelve basic health care facilities in Casablanca, Morocco

Hassan Aguenou / 0084 / TU & WE
Risk factors and epidemiology of neural tube defects in Morocco

K. Michael Hambidge / 0108 / TU & WE
Physiological zinc (Zn) requirements during pregnancy and lactation are achieved by indigenous Guatemalan women consuming a plant-based, high phytate diet

Tausif Janjua / 0143 / TH & FR
Review of potassium iodate (KIO3) supply chain mechanism for universal salt iodization program (USIP) in Pakistan

Sherry Tanumihardjo / 0178 / TH & FR
A review of the biomarkers of nutrition for development document for vitamin A

MICRONUTRIENTS, OVERWEIGHT AND OBESITY

Gisela Maria Pita-Rodriguez / 0011 / TH & FR
Adiposity indicators, inflammation and anemia in women of childbearing age

Wilna Oldewage-Theron / 0019 / TH & FR
Is overweight and obesity associated with multiple micronutrient deficiencies in low-income women? A case study from Qwa-Qwa, South Africa

Diane Baik / 0032 / TH & FR
Positive deviance/health (PDH), a food-based approach to increase consumption of vitamin A and iron-rich foods and rehabilitate malnourished children in Shribordi, Bangladesh

Sophonneary Prak / 0035 / TH & FR
Double burden of malnutrition in Cambodia: micronutrient deficiencies are prevalent in both undernourished and overweight women

Dessalegn Ajema / 0056 / TH & FR
Assessment of the magnitude of double burden of malnutrition and its associated factors among selected in-school adolescents in Arba Minch Town, southern Ethiopia: school based cross sectional study

Christian Razo-García / 0112 / TU & WE
Adiposity and diet in women in the second to third trimester of pregnancy

Hala Boukerdenna / 0229 / TU & WE
Management of conflicts of interest in the context of food fortification in public health

Henry Mark / 0178 / TU & WE
Distributing micronutrient powders in an emergency: experiences from 3 Boko Haram conflict affected north Nigeria states

Ifoanyi Maduanusi / 0181 / TU & WE
Implementation of the maternal, newborn and child health week in the conflict affected north Nigerian state of Borno

Aly Diana / 0214 / TH & FR
Acceptability of a novel beef powder added to infant and young child complementary foods in West Java, Indonesia

MICRONUTRIENTS IN EMERGENCIES, REFUGEES, AND FOOD AID DEPENDENT POPULATIONS

Ismael Ngnie-Teta / 0082 / TH & FR
Maintaining high coverage vitamin A supplementation in the context of community quarantines during Ebola epidemic in Guinea

Henry Mark / 0178 / TU & WE
Distributing micronutrient powders in an emergency: experiences from 3 Boko Haram conflict affected north Nigeria states

Ifoanyi Maduanusi / 0181 / TU & WE
Implementation of the maternal, newborn and child health week in the conflict affected north Nigerian state of Borno

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Christian Razo-García / 0112 / TU & WE
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POSTER PRESENTATIONS

Olga P. Garcia / 0146 / TU & WE
Zinc deficiency increases the risk of chronic inflammation in a school-aged population of children with a high prevalence of obesity

Alberto Prieto Patron / 0198 / TU & WE
What is the role of maternal education and early feeding recommendations to fight anemia and overweight in 6-23 month old children? Evidence from 87 demographic and health surveys

Paulina Estrella / 0200 / TU & WE
Vitamin A and E are associated with markers of obesity, inflammation and insulin resistance in Mexican school-aged children

Elaine A. Yu / 0216 / TU & WE
The dual burden of diabetes and tuberculosis among women and men with low adiposity in rural South India

Vijaya Kancherla / 0031 / TH & FR
Improved quality assurance and quality control of vitamin A fortified and branded vegetable cooking oil in public markets in a province of the Philippines using lot quality assurance sampling

Jillian L. Waid / 0118 / TH & FR
The association of food price change and homestead food production with dietary diversity of women in Bangladesh

Jessica Farebrother / 0119 / TH & FR
Monitoring iodine nutrition: program recommendations to reduce excessive iodine intakes in eastern Africa

Miriam Bwengye / 0124 / TH & FR
Accurate and cost effective methods for monitoring and inspection of food fortification programs in Uganda

Emmanuel Odu / 0127 / TH & FR
Nigeria reaches 246 million children with vitamin supplementation through the maternal new-born and child health week campaign

Stanley Chitekwe / 0167 / TU & WE
Increased coverage of vitamin A supplementation in Nigeria is tainted by rising programme inequities

Annette Imohe / 0168 / TU & WE
Determining barriers to universal coverage of nutrition interventions delivered through the maternal new-born and child health week campaign

Chinwe Ezeifo / 0170 / TU & WE
The evolution of Nigeria’s vitamin A campaign into an integrated platform for delivering nutrition and health interventions nationally

Prakash Kotecha / 0188 / TU & WE
Child anemia control: a feasibility study within the government set up in Uttar Pradesh, India

Sanjeev Kumar / 0192 / TU & WE
Capacity building of community level health workers and equipping them with supplies to enhance care seeking and usage of zinc and ORS for management of childhood diarrhoea through public sector in Gujarat, India

Svenja Jungjohann / 0197 / TU & WE
Commercial monitoring of oil fortification to assess availability and compliance of local oil brands fortified with vitamin A in Mozambique

Van Khanh Tran / 0222 / TU & WE
Knowledge attitude and practices among consumers regarding fortified foods in Vietnam

Sueppong Gowachirapant / 0224 / TU & WE
Iodine status of Thai school-aged children and women of reproductive age living in the same household

Moudod Hossain / 0230 / TU & WE
Formulation of the Bangladesh national micronutrient strategy: a big tent approach for better outcomes

Sangeeta Saxena / 0241 / TU & WE
Analyzing family and health survey data of India regarding nutritional indicators

OTHER MICRONUTRIENT-RELATED INTERVENTIONS (E.G. AGRICULTURE, BIOFORTIFICATION, EDUCATION, SOCIAL PROTECTION)

Changpyo Lee / 0015 / TU & WE
Improvement of agriculture production, food accessibility and consumption by a 2.5 year of new natural farming programs in post conflict areas in Sri Lanka

Monueta Grace Manzeke / 0028 / TU & WE
Agronomic biofortification of cowpea (Vigna unguiculata [L.] walp.) with zinc: potential avenue for ameliorating micronutrient malnutrition among rural households

Amynah Janmohamed / 0041 / TU & WE
Improved toilets are associated with higher hemoglobin concentrations among rural Cambodian women in the first trimester of pregnancy

Abebe Haile / 0046 / TU & WE
Proximate analysis and sensory evaluation of cookies developed from blend of moringa stenopoetalia leaf powder with wheat flour for lactating mothers and pregnant women

Jan Low / 0050 / TU & WE
Uptake of biofortified orange-fleshed sweetpotato (OFSP), changes in health service utilization, and nutritional impact in an integrated agriculture-health intervention in Western Kenya

Taddesse Zerfu / 0067 / TU & WE
Dietary diversity during pregnancy reduced the risk of maternal anemia, low birth weight, and pre-term birth in a prospective cohort study in rural Ethiopia

Endale Amare / 0081 / TU & WE
Flour blending as a natural fortification means to enrich micronutrient level of a staple food teff injera used as complementary food in Ethiopia
POSTER PRESENTATIONS

Nassul Kabunga / 0096 / TU & WE
Cattle ownership, childhood malaria and anemia in Uganda

Diriba Kumssa / 0097 / TU & WE
Could moringa oleifera and m. stenopetala increase human dietary mineral supply in sub-Saharan Africa?

Amy Webb Girard / 0100 / TU & WE
An integrated agriculture, nutrition and health project promoting orange flesh sweet potato improved infant vitamin A consumption but not vitamin A status in Western Kenya

Elise F. Talsma / 0085 / TH & FR
Acceptance and adoption of biofortified crops by vulnerable populations

Elise F. Talsma / 0093 / TH & FR
Retention of zinc in biofortified rice and maize during processing and cooking

Arasur Lakshmanaswamy Iswarya 0094 / TH & FR
Nutritional & anti-nutritional composition of bio fortified pearl millet

Mourad Moursi / 0115 / TH & FR
Rice zinc biofortification reduces prevalence of zinc inadequacy among adult women in Bangladesh, the Philippines, and Indonesia

Meredith Jackson-deGraffenried 0129 / TH & FR
Affordable nutritious foods for women (ANF4W) project: improving micronutrient intake through an integrated communication strategy, enhanced homestead food production, and rice fortification

Carol Henry / 0188 / TH & FR
Phenolic, carotenoid, tocopherol, antioxidant and fatty acid composition of commonly consumed Canadian yellow pea, lentil and chickpea cultivars

Carol Henry / 0207 / TH & FR
Assessing the use of traditional household pulse processing and consumption for improved food and nutrition security

Imelda Dugay / 0227 / TH & FR
Knowledge, attitude and practices of day care pupils’ caregivers in La Trinidad, Benguet, Philippines

Susan Whiting / 0236 / TH & FR
Using supplemental calcium, milk or moringa to mitigate fluorosis: a human trial conducted in the Rift Valley of Ethiopia

Elizabeth Parkes / 0237 / TH & FR
Effect of processing on total carotenoid content in selected yellow root cassava varieties and their products

Getahun Ersnio / 0241 / TH & FR
A nutrition education intervention affects the diet-health related practices and nutritional status of mothers and children in a pulse-growing community in Halaba, south Ethiopia

PREVALENCE AND RISK FACTORS FOR MICRONUTRIENT STATUS (DEFICIENCY, OVERLOAD)

Yalelet Chuchu / 0001 / TU & WE
Bone healing, serum level of vitamin D and associated factors at early phase among adult fractured patients in University of Gondar Hospital, Ethiopia

Vanisha Nambiar / 0003 / TU & WE
Relationship between prevalence of anemia and pearl millet consumption patterns among rural women of Gujarat, western India

Jessica Ayensu / 0004 / TU & WE
Antioxidant micronutrient status and pregnancy outcomes in Ghanaian adolescents attending antenatal clinic in urban (Suntreso) and rural (Mampong) hospitals

Gisela Maria Pita-Rodriguez 0008 / TU & WE
Helicobacter pylori infection is not associated with anemia, iron deficiency and inflammation in women of reproductive age in Havana, Cuba

Imane El Harchaoui / 0014 / TU & WE
Dietary patterns, nutritional knowledge, prevalence and risk factors for anemia among school children in Morocco

Frank Tammo Wjeringa / 0017 / TU & WE
High prevalence of anemia in Cambodian women and children can only be partly attributed to nutritional factors and hemoglobinopathy

Chinagorom Asinobi / 0018 / TU & WE
Assessment of iron status and its predisposing factors among pregnant women in Owerri, municipality, Imo state, Nigeria

Nicolai Petry / 0019 / TU & WE
In Rwandese women with low iron status, iron absorption from low phytic acid beans and biofortified beans is comparable, but low phytic acid beans cause adverse gastrointestinal symptoms

Brenda A.Z. Abu / 0020 / TU & WE
Micronutrient deficiencies among apparently healthy school-aged children in rural Cofimvaba, Eastern Cape, South Africa: a community-based cross-sectional study

James P. Wirth / 0022 / TU & WE
Anemia and micronutrient deficiencies in pre-school aged children and non-pregnant women in Azerbaijan

Sonja Y. Hess / 0029 / TU & WE
Iodine status of pregnant women and school-age children in Zinder, Niger

Fabian Rohner / 0031 / TU & WE
Consumption of iodized salt by women of reproductive age in Sierra Leone is associated with better iodine status and greater equity in iodine status

Hassan Aguenaou / 0032 / TU & WE
Vitamin D, calcium and phosphorus status in Moroccan obese women

Tanimoune Mahamadou / 0040 / TU & WE
Novel assays for micronutrient surveys: testing suitability of 2 anaemia diagnostic tools in Mahama refugee camp, Rwanda

Kassandra Harding / 0042 / TU & WE
Tackling anemia in South Asia

Rajwinder Harika / 0045 / TU & WE
Micronutrient status and intake in adolescents and women from four African countries

Naima Saeid / 0047 / TU & WE
Dietary sodium and potassium intakes among Moroccans between the ages of 6 to 14 years

Ngozi Nnam / 0048 / TU & WE
Vitamin A and iodine status of children aged 6-59 months in Kaduna State, Nigeria

Amina Bouziani / 0049 / TU & WE
Evaluation of calcium status in Moroccan children by analyzing the 24h-urine excretion
POSTER PRESENTATIONS

Frederick Kobina Grant / 0053 / TU & WE
Correcting for inflammation modifies estimates of vitamin A and iron deficiencies among pregnant women in Western Kenya

Tamene Taye Asayehu / 0056 / TU & WE
Dietary behavior, food and nutrient intake of women do not change during pregnancy in southern Ethiopia

Han’a Al-Rabadi / 0058 / TU & WE
Supporting positive behaviours to reduce anaemia in the West Bank

Neha Sareen / 0062 / TU & WE
Prevalence of vitamin D deficiency and associated risk factors amongst children residing at high altitude in Shimla district, Himachal Pradesh, India

Amal Saeed / 0063 / TU & WE
Anemia and iron deficiency among adolescent Sudanese school girls

Fabian Rohner / 0064 / TU & WE
Iodine status of women of reproductive age and school-age children in Burkina Faso and its association with adequately iodized household salt—results from a national survey

Fabian Rohner / 0065 / TU & WE
Prevalence of anemia among women of childbearing age, preschool-age and school-age children in Burkina Faso—results from a national survey

Thalia Manfrin Martins Deminice / 0066 / TU & WE
Vitamin A deficiency in the mother-infant pair: four criteria analysis

James P. Wirth / 0023 / TU & WE
Anemia determinants and severity of micronutrient deficiencies and malaria in children and non-pregnant women in Sierra Leone prior to the Ebola outbreak

Carol Henry / 0068 / TU & WE
Hemoglobin concentration and diet diversity of young children in Boricha district, Sidama zone, southern Ethiopia

Kassandra Harding / 0071 / TU & WE
Relationships between women’s education and children’s micronutrient status: global patterns and trends

Xiaoguang Yang / 0072 / TU & WE
Micronutrient nutrition status of pregnant women in China

Guynh Anh Tran / 0075 / TU & WE
Practice of mother’s young child feeding and nutritional status of children aged 6–23 months in midland area, Vietnam

Min Li / 0078 / TU & WE
Study on the anemia status of Chinese population

Nga Tran Thuy / 0083 / TU & WE
Assessment of micronutrient deficiencies among children in urban, rural and mountainous areas in Vietnam

Jing Chen / 0091 / TU & WE
Vitamin D status for healthy old people in Chinese cities

Sabuj Kanti Mistry / 0094 / TU & WE
Prevalence of anemia and its correlation with malnutrition among Bangladeshi adolescent girls: findings from a nationwide survey

K. Ryan Wessells / 0098 / TU & WE
Micronutrient status of pregnant women in Zinder, Niger and determinants of risk

Tibebu Moges / 0101 / TU & WE
Dietary intake and nutritional status are poor among adolescent girls in Ethiopia

Ashagrie Woldegiorgis / 0102 / TU & WE
Ensuring the safety of complementary foods produced at community levels using locally available ingredients in Ethiopia

Moira Donahue Angel / 0107 / TU & WE
Prevalence of iron deficiency and iron deficiency anemia in the northern and southern provinces of Rwanda

Bridget Aidam / 0119 / TU & WE
Predictors of anemia among infants in a rural district in Ghana

Elsa Berenice Gaona Pineda / 0124 / TU & WE
Contribution of PROSPERA program supplements to nutrient intake by socioeconomic status in children in Mexico

Faruk Ahmed / 0125 / TU & WE
Anaemia and iron deficiency in Bangladeshi pregnant women living in areas of high and low iron in ground water

Chandrakant S. Pandav / 0126 / TU & WE
India on the threshold of achieving USI-evidence from the first ever national iodine and salt intake survey, 2015

Kapil Yadav / 0127 / TU & WE
Optimal iodine status among women of reproductive age at national level may mask significant sub-national differentials — evidence from the first national iodine and salt intake survey, 2015, India

Mohammed Amine Radouani / 0130 / TU & WE
Prevalence and factors associated with anemia pregnancy in a group of Moroccan pregnant women

Kaouar Benjedidou / 0132 / TU & WE
Nutritional status and vitamin D deficiency among rural school children in Morocco

Wanqi Zhang / 0137 / TU & WE
The associations between thyroid volume and goiter rate with iodine intake levels in school-age children from high water iodine areas

Sonja Nicholson / 0138 / TU & WE
Nutritional insufficiencies and obesity in women of childbearing age in an affluent nation; findings from the UK national diet and nutrition survey rolling programme (NDNS-RP)

Ana María Gómez Álvarez / 0140 / TU & WE
Deficiencia de zinc y cobre séricos en mujeres en edad reproductiva

Simon Wieser / 0142 / TU & WE
Societal costs of micronutrient deficiencies in 6-59-month-old children in Pakistan

Katherine Wander / 0144 / TU & WE
Associations between iron status and prevalent and incident infectious disease among children in Kilimanjaro, Tanzania

Rachel Burke / 0148 / TU & WE
Vitamin A deficiency in a cohort of Bolivian infants

Meron Girma / 0106 / TH & FR
Vitamin D insufficiency among lactating women in southern Ethiopia: a sunshine abundant region

Leah Perlas / 0108 / TH & FR
Micronutrient status of Filipino women of reproductive age
POSTER PRESENTATIONS

Christian Razo-García / 0109 / TH & FR  
Dietary intake in healthy Mexican pregnant women

Kendra Byrd / 0110 / TH & FR  
Seasonal variation of kilocalorie, iron, and zinc intake among infants in rural, Western Kenya: an observational study nested within the WASH benefits randomized controlled trial

Leila Larson / 0111 / TH & FR  
Approaches to understand and adjust retinol binding protein concentrations in the presence of inflammation in preschool-aged children and women of reproductive age: a multi-country analysis

Tazeen Tashina / 0117 / TH & FR  
Prevalence of anemia among pregnant women in rural Bangladesh: do socio-demographic factors matter?

Prosper Kujinga / 0120 / TH & FR  
Assessing micronutrient status in the presence of inflammation: comparing approaches in children aged 2-6 years from rural Western Kenya

Lijuan Wang / 0253 / TU & WE  
Assessment of iron status for women in China: national health and nutrition survey 2010-2012

Zuguo Mei / 0135 / TH & FR  
Is erythrocyte protoporphyrin a better screening test for iron deficiency in children and women compared to hemoglobin or mean cell volume?

Andinet A. Hailu / 0138 / TH & FR  
Inadequacy of dietary intakes among pregnant women in Ethiopia

James P. Wirth / 0144 / TH & FR  
Prevalence of anemia and micronutrient deficiencies in children and non-pregnant women in urban areas of Mozambique

Jorge Rosenthal / 0145 / TH & FR  
The association between red blood cell folate concentration and deficient or marginally deficient vitamin B12 status: a national population-based study of women of childbearing age in Belize

Carmina Lucia Vargas-Zapata / 0147 / TH & FR  
Levels of indicators of bone remodeling during pregnancy of low socioeconomic status women attending in public hospitals from Barranquilla-Colombia

Youness Taboz / 0150 / TH & FR  
Sentinel study of the consumption of fortified wheat flour with elemental iron and folic acid on the status of women of childbearing age in Morocco

Jacky Knowies / 0151 / TH & FR  
Factors associated with household access to adequately iodised salt: initial findings from the 2014 national iodine survey in Senegal

Youness Taboz / 0153 / TH & FR  
Iron and folic acid status of children 6 to 59 months in Morocco three years after the commercialization of wheat flour fortified with elemental iron and folic acid

Ndèye Khady Touré / 0154 / TH & FR  
Association between household access to adequately iodised salt and population iodine status: findings from the 2014 national iodine survey in Senegal

Manjeswori Ulak / 0155 / TH & FR  
Prevalence of vitamin A deficiency among lactating mothers and infants in Bhaktapur, Nepal

Khadija Begum / 0156 / TH & FR  
Prevalence and predictors of antenatal care (ANC) seeking and adherence to iron-folic acid (IFA) recommendation among pregnant women in Zinder, Niger

Hasina Rakotomanana / 0158 / TH & FR  
The determinants of stunting in children under five in Madagascar

Youness Taboz / 0160 / TH & FR  
Determination of nutritional status of vitamins A and D3 among the Moroccan population

Ana M. Palacios / 0161 / TH & FR  
Factors associated with anemia in infants from rural Retalhuleu, Guatemala

Jenna Golan / 0163 / TH & FR  
Predictors of anemia in female caregivers in the Lake Zone of Tanzania

Carmina Lucia Vargas-Zapata / 0165 / TH & FR  
Iron deficiency persists among Maasia but not Kamba preschoolers participating in a supplementary feeding programme in southern Kenya

Martti Esala / 0168 / TH & FR  
Diagnosis and management of soil micronutrient deficiencies in sub-Saharan Africa for improved plant, animal and human nutrition

Hassan Aguenaou / 0169 / TH & FR  
Hepcidin is upregulated by obesity and may exert a detrimental effect on iron status during pregnancy

Mariela Camacho Barrón / 0173 / TH & FR  
The relationship between overweight, inflammation markers, micronutrients and insulin resistance in school age children

Alejandra Castañeda-Díaz de León / 0176 / TH & FR  
The relationship between blood pressure, body iron stores and urinary iodine in healthy women of reproductive age in rural Eastern Kenya

Zipora Bukania / 0179 / TH & FR  
The relationship between blood pressure, body iron stores and urinary iodine in healthy women of reproductive age in rural Eastern Kenya

Lisa Houghton / 0184 / TH & FR  
Relationship between pollution heavy metals and anemia among Mexican schoolchildren

Guadalupe López-Rodriguez / 0186 / TH & FR  
Vitamin D deficiency is a predictor for overweight and/or obesity among schoolchildren in central Ethiopia
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Ranjan Kumar Jha / 0191 / TH & FR
Study on iodine loss during movement of iodized salt from production unit to retail end

Junio Dort / 0192 / TH & FR
Current state of micronutrient deficiencies in Haiti

Maria Claret Costa Monteiro Hadler
0193 / TH & FR
Folic acid and anemia in children 6 to 24 months of age

Zaynah Chowdhury / 0196 / TH & FR
Caregiver feeding behaviors are associated with dietary diversity at 24 months of age in rural Bangladesh

Derek Headey / 0197 / TH & FR
Anemia enigma: exploring the rapid reduction of child anemia in developing countries

Alison D. Gernand / 0199 / TH & FR
Application of a machine learning approach to identify predictors of vitamin D status in pregnancy

Yeneisy Lanyau Dominguez
0208 / TH & FR
Homocysteine and vitamins levels in Cuban elderly with Alzheimer’s disease (AD) or mild cognitive impairment (MCI)

Mildred Guirindola / 0210 / TH & FR
Maternal health and nutrition and infant and young child feeding: findings from the 8th national nutrition survey

Mengistu Fereja / 0213 / TH & FR
Prevalence of iodine deficiency and associated factors among pregnant women in Ada district, Oromia region, Ethiopia: a cross-sectional study

Feven Tezera / 0215 / TH & FR
Dietary calcium intake and sunlight exposure among children aged 6-23 months in Dale woreda, southern Ethiopia

Adamu Belay / 0216 / TH & FR
Magnitude of iodine deficiency disorder in reproductive age women and school age children and iodized salt coverage in Ethiopia

Meaza Teklu / 0217 / TH & FR
Assessment of iron supplement utilization and associated factors among pregnant women’s at Lideta sub city

Gemetchu Kumera / 0218 / TH & FR
Prevalence of zinc deficiency and its association with dietary, serum albumin and intestinal parasitic infection among pregnant women attending antenatal care at the University of Gondar Hospital, northwest Ethiopia

Phillippe Belmont / 0223 / TH & FR
Determinants of anemia and iron, zinc, folate and vitamin B12 deficiencies among women of reproductive age in Ecuador

Julia Suryantai / 0225 / TH & FR
A comparison of the nutritional status of children under-five from different small-scale surveys in different regions in Indonesia

Elizabeth Rhodes / 0233 / TH & FR
Integrated DHS and national micronutrient surveys: a case study from Malawi

Camila Benaim Rodriguez
0235 / TH & FR
Longitudinal changes in vitamin D concentrations during pregnancy among Brazilian women

Alex Brito / 0239 / TH & FR
Maternal vitamin B-12 status is negatively affected by high serum folate at early pregnancy, a prospective cohort of healthy pregnant women

Tolassa Wakayo / 0240 / TH & FR
Serum vitamin D levels are associated with handgrip muscle strength in Ethiopian schoolchildren: a cross-sectional study

Amanda Wendt / 0242 / TH & FR
Iron content in groundwater associated with anemia among children 6-37 months in rural Bangladesh

Carla Cerami / 0208 / TU & WE
Combatting anemia with iron may inevitably cause a transient increase in risk of malaria

Sherry Tanumihardjo / 0181 / TH & FR
Provitamin A carotenoid bioconversion to retinol is drastically slowed when liver levels become excessive in Mongolian gerbils

Amanda Palmer / 0200 / TH & FR
Mathematical modeling predicts that six-monthly vitamin A supplementation from 6-59 months of age does not result in excessive total body vitamin A stores

STAKEHOLDER MAPPING AND ENGAGEMENT FOR MICRONUTRIENT INTERVENTIONS

Rachel Cancini Kettle / 0014 / TH & FR
The FTSEAgood’s role in infant and young child nutrition: a question of legitimacy

Sourav Bhattacharjee / 0027 / TH & FR
Engaging with salt traders helps make affordable iodized salt accessible to the most vulnerable households in Odisha, India

Albertha Nyaku / 0046 / TH & FR
From evidence to action: systematic analysis of intervention options for a national food fortification program in Pakistan

Madeleine Smith / 0061 / TH & FR
Making agricultural information systems more nutrition sensitive in Ghana

Ismael Ngnie-Teta / 0079 / TU & WE
Introducing multiple micronutrient powders in Guinea using community-based women’s group model

Abner Daniel / 0104 / TU & WE
Delivering essential nutrition interventions for tribal Indian women: what will it take?

Greg S. Garrett / 0117 / TU & WE
Aligning global partners for food fortification: results of the #futurefortified global summit and outputs of its technical advisory group

John Uruakpa / 0252 / TH & FI
Developing an integrated national policy framework to address micronutrient deficiencies in Nigeria

Elizabeth Madraa / 0254 / TU & WE
Public sector readiness assessment for food fortification program in Uganda
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Pragya Mathema / 0254 / TH & FR
Stakeholder engagement to develop a road map to initiate and scale up micronutrient powders linked with infant and child feeding promotion in Nigeria

Henry Mark / 0257 / TU & WE
A joint call to accelerate the attainment of fortification goals in Nigeria

Godfrey Oakley / 0034 / TH & FR
Contribution of total prevention of folic acid preventable spina bifida and anencephaly towards achieving health-related sustainable development goals in India

Janice Meerman / 0042 / TH & FR
Dietary choices in Malawi: trends and explanations

Arnaud Laillou / 0063 / TH & FR
Economic burden of malnutrition and especially micronutrient deficiencies — 2014 Cambodian demographic health survey

Janice Meerman / 0064 / TH & FR
Diversifying food production and diets: evidence from Kenya

Mike Mwanza / 0066 / TH & FR
Factors of performance and challenges of 15 years of child health week in Zambia

Lenore Spies / 0076 / TH & FR
Introducing micronutrient powders [MNP] into the public health system: a case study of KwaZulu — Natal, South Africa

Melisa Espagnol / 0095 / TH & FR
Do anemia among pregnant women and childhood anemia impact in the cost of undernutrition in Argentina?

Judy McLean / 0151 / TU & WE
Challenges and opportunities to implementing micronutrient powders [MNP] at scale: lessons learned from a multi-phase multi-country strategy

Imelda Angeles-Agdeppa / 0160 / TU & WE
Awareness of micronutrients among selected Filipino population groups: its implication on program strategies

Stanley Chitekwe / 0161 / TU & WE
Identification of factors associated with vitamin A supplementation (VAS) coverage among children aged 6-59 months in Nigeria

Shiva Raj Adhikari / 0162 / TU & WE
Cost-effectiveness analysis of the child nutrition week delivery strategy in earthquake affected districts in Nepal in 2015

Christopher Isokpunwu / 0252 / TU & WE
Nigeria develops 912 million USD nutrition plan with seven micronutrient interventions

Sophonneary Prak / 0253 / TU & WE
Strengthened enforcement of a national code for breast milk substitutes can help support and protect breastfeeding practices in Cambodia

Pragya Methema / 0255 / TH & FR
Scaling up of micronutrient interventions in Nigeria: achievements, lessons learnt and the way forward

Indira Bose / 0176 / TU & WE
Fill the nutrient gap tool: a tool to strengthen nutrition situation analysis and the identification of context-specific strategies to improve nutrient intake among specific target groups

Anne Williams / 0191 / TH & FR
Quantifying market prices in Western Kenya and optimizing nutrient densities for weekly food budgets

Brenda Gamboa-Loira / 0193 / TU & WE
Dietary micronutrient intake and its relationship with arsenic metabolism in Mexican women

Jian Huang / 0195 / TU & WE
Setting the national standard of the multi-nutrient supplementary foods for pregnant and lactating women

Marti J. van Liere / 0204 / TU & WE
Partnering to achieve collective impact: translating evidence to policy

Helena Pachón / 0207 / TU & WE
Review of food fortification legislation, regulatory and monitoring documents

Sara Glass / 0220 / TU & WE
Ethical considerations for the use of biofortified of crops as a micronutrient intervention

Amster Fei Baquiran / 0226 / TU & WE
Mineral availability from naturally-and synthetically-fortified multi-nutrient growth mix (MGM) products

S. Raju / 0221 / TH & FR
The orphan crops: a rich source of micronutrients

Jody Harris / 0224 / TH & FR
Drivers of micronutrient policy change in three African countries: a policy process analysis

Sicily Matu / 0232 / TH & FR
Operational research on vitamin A supplementation for children aged 6 to 59 months by community health volunteers in Homabay County, Kenya

USE OF CASH TRANSFERS AND VOUCHERS TO IMPROVE MICRONUTRIENT NUTRITION

Katherine Ford / 0167 / TH & FR
Bolsa familia conditional cash transfer program and micronutrient status in western Brazilian Amazonian children