



**SOCIETY OF NUTRITION
AND FOOD SCIENCE**

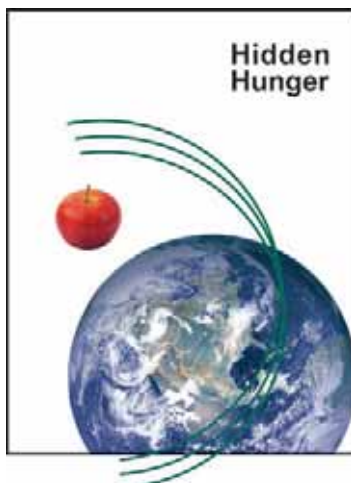
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Institute of
Biological Chemistry
and Nutrition



3rd International Congress

Hidden Hunger

**Post-2015 Agenda and Sustainable Development Goals:
Where are we now?**

Strategies to improve nutrition quality and combat hidden hunger

March 20-22, 2017

Stuttgart, Germany



www.hiddenhunger.uni-hohenheim.de

The 3rd International Congress Hidden Hunger is organized by the **Institute of Biological Chemistry and Nutrition** of the University of Hohenheim and the **Federal Ministry for Economic Cooperation and Development (BMZ)** in cooperation with the **Society of Nutrition and Food Science (SNFS)** and the **Food Security Center (FSC)** of the University of Hohenheim.

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Venue of the Come Together Evening (Monday, March 20, 2017)

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3RD INTERNATIONAL CONGRESS HIDDEN HUNGER POST-2015 AGENDA AND SUSTAINABLE DEVELOPMENT GOALS: WHERE ARE WE NOW? STRATEGIES TO IMPROVE NUTRITION QUALITY AND COMBAT HIDDEN HUNGER

**MARCH 20-22, 2017
STUTTGART, GERMANY**

Welcome to the 3rd International Congress Hidden Hunger!

The 3rd Congress Hidden Hunger is a continuation of the successful, international event series “Congress Hidden Hunger” which started in 2013. At the 1st Congress Hidden Hunger the causes and consequences of hidden hunger as well as possible solutions were discussed. The 2nd Congress Hidden Hunger which was hosted in 2015 addressed the specific problem of hidden hunger during pregnancy and the first years of life. Associated, serious consequences for child development and the increased risk for maternal mortality were also discussed.

The 3rd Congress Hidden Hunger now considers the question of how far the Post-2015 Agenda and other programs and measures adopted in 2015 to fight against world famine and poverty have already been implemented. To achieve this, political parties and industry representatives as well as representatives of civil society and advocacy groups (NGOs) are invited to take a position. Furthermore, successfully established projects and initiatives (such as the special initiative “One World, No Hunger” of the German Federal Ministry for Economic Cooperation and Development (BMZ)) will be presented.

Young scientists and members of small organizations had the opportunity to apply for a scholarship to participate in the congress. They were invited to supplement the event with a presentation of their ideas for cooperation and implementation of different measures in the fight against world famine. It is important that all participants present and discuss the specific objectives of such measures and how they are to be regionally implemented.

The “Congress Hidden Hunger” provides a platform for global interactions of members belonging to the scientific community, representatives from politics, government and the media as well as members of civil society organizations, advocacy groups and private and public sector bodies. The considerable and continuous feedback to the first two congresses convinced the organizers to host the 3rd International Congress Hidden Hunger.

www.hiddenhunger.uni-hohenheim.de



Source: Anne and Rolf Bucher, West Bengal, India

CHAIR'S MESSAGE	6 – 7
PROGRAM	8 – 13
PARALLEL SESSIONS	14 – 21
HIGHLIGHTS AND SIDE EVENTS	22 – 25
SPONSORS AND EXHIBITORS	26 – 27
MAIN SPEAKERS, PANELISTS AND CHAIRS	28 – 63
LIST OF MAIN SPEAKERS, PANELISTS AND CHAIRS	64 – 69
LIST OF FREE PRESENTATION SPEAKERS	70 – 71
LIST OF POSTERS AND THEIR PRESENTERS	72 – 79
VENUES/HOW TO REACH US	80 – 91
ADVISORY BOARD/IMPRINT	92 – 95

CHAIR'S MESSAGE



In many places around the globe, but primarily in low-income countries, an inadequate supply of micronutrients – in particular vitamin A, iron, zinc and iodine – with or without an adequate energy supply is a part of everyday life. It is defined as “hidden hunger”. This means chronic malnutrition, which – including its potentially negative consequences on long-term health – is typically overlooked because of the late manifestation of visible clinical symptoms. Hidden hunger affects human health long before malnutrition becomes obvious.

Poverty and poor education, in particular a lack of knowledge about adequate food intake during pregnancy, lactation and the complementary feeding period, are factors increasing the risk of hidden hunger. Herewith, hidden hunger is not only a problem of low-income countries, but of high-income countries, too. In both groups of countries, the number of children living under poverty conditions and suffering from food insecurity is constantly rising. Recent studies have revealed a clear effect of one's socioeconomic status on the brain and subsequent cognitive development in children. Some of the micronutrients involved in brain development play an important role in hidden hunger worldwide. Deficits of these micronutrients may negatively impact the future of affected children, while reducing their physical and mental capacity for escaping poverty.

Chronic malnutrition is at the core of the global hunger challenge facing science, politics and economics. As poverty is the main reason for hidden hunger, addressing this dire challenge requires long-term policies. Sustainable solutions by investments in agriculture and small-scale farming, amongst others, are required and the global challenge “hidden hunger” urgently calls for action in low- and high-income countries.

As one part of a “call for action”, the International Congress Series “Hidden Hunger” was launched. It started successfully in 2013 with the 1st International Congress Hidden Hunger with the title “From Assessment to Solutions”. The second congress in 2015 addressed the 1,000 day window and the results were recently published in the “World Reviews of Nutrition

and Dietetics” (Karger, Basel). Now, I am looking forward to the 3rd International Congress Hidden Hunger, which is organized in cooperation with the German Federal Ministry for Economic Cooperation and Development (BMZ), the Food Security Center of the University Hohenheim (FSC) and the Society of Nutrition and Food Science (SNFS). It will focus on the 2015 Sustainable Developmental Goals and on the initiative of BMZ: “One World, No Hunger”. The challenging title of the conference “Post-2015 Agenda: Where are we now? Strategies to improve nutrition quality and combat hidden hunger” will try to document approaches and to bring scientists and field workers together to extract feasible projects for their own approaches.

The Congress Hidden Hunger 2017 will bring together various disciplines, from high- and low-income countries, to focus on the links and gaps between science and reality in all parts of the world as well as to discuss hidden hunger under the perspectives of nutrition, governmental and non-governmental organizations, nutritionists, politics, economics, and agricultural sciences. Again we are profoundly grateful for the participation of international speakers which may help us to uncover the problems of hidden hunger and bring it on a visible stage. Improving visibility and raising further awareness will indeed help to promote our common goal to end hunger.

Please come and join us in March 2017 to help make it a success and contribute to the attainment of its objectives by your presence and participation in discussions and scientific exchange. We would be delighted to welcome you in Stuttgart and I would like to thank everyone who has already contributed as well as everyone who will contribute to make this event successful.

A handwritten signature in black ink, appearing to read 'H. Biesalski', with a stylized flourish at the end.

Hans K. Biesalski
Director, Institute of Biological Chemistry and Nutrition, Food Security Center (FSC),
University of Hohenheim, Germany

MONDAY, MARCH 20, 2017 – PROGRAM

Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Zürich	
08:45-09:00 am	Welcome address and introduction by Hans K. Biesalski, Congress Chair
09:00-09:15 am	Opening address by Iris Lewandowski, Vice-President of the University of Hohenheim
Chair: Hans K. Biesalski Room: Zürich	
09:15-09:45 am	Hanns-Christoph Eiden: What does it need to improve nutrition quality? The role of public partners
09:45-10:15 am	Leslie Amoroso: Post-2015 Agenda and Sustainable Development Goals (SDG): Where are we now? Strategies to improve nutrition quality and combat hidden hunger
10:15-10:45 am	COFFEE BREAK
10:45-11:15 am	Joachim von Braun: Economic and political innovation for success in nutrition
11:15-11:45 am	Shawn Baker: Realizing the promising of ending hidden hunger: Challenges and future directions
11:45-12:00 am	Official opening by Thomas Silberhorn, Parliamentary State Secretary of the German Federal Ministry for Economic Cooperation and Development (BMZ)
12:00-12:15 pm	Friedrich Wacker, Head of Directorate "International Cooperation and World Food Affairs" at the German Federal Ministry of Food and Agriculture (BMEL)
12:15-12:45 pm	Honorary lecture of S.E. Mme Dominique Ouattara, First Lady of the République de Côte d'Ivoire, Founder and President of the Foundation "Children of Africa"
12:45-02:00 pm	LUNCH BREAK & PRESS CONFERENCE Room: Sion
Chair: Matin Qaim Room: Zürich	
02:00-02:15 pm	Beate Weiskopf: Nutrition and living conditions of smallholder cocoa farmers in Côte d'Ivoire – Opportunities for improvement by the project PRO-PLANTEURS
02:15-02:45 pm	Mathias Mogge: Without land, no crops – And without variety, no healthy and sustainable diets
02:45-03:15 pm	Claudia Warning: Hidden hunger – A challenge for international development cooperation
03:15-03:45 pm	Channing Arndt: Effects of food price shocks on child malnutrition: The Mozambican Experience 2008/09
03:45-04:15 pm	Klaus von Grebmer: Accelerating the elimination of hunger and undernutrition: Status report on Compact2025
04:15-04:45 pm	COFFEE BREAK
Chair: Jan Frank Room: Zürich	
04:45-05:15 pm	Matin Qaim: On the link between production diversity and dietary quality in smallholder farm households
05:15-05:45 pm	Michael B. Krawinkel: Sustainability of interventions against micronutrient deficiency
05:45-06:15 pm	Keith P. West: Micronutrient deficiencies in pregnancy worldwide: health effects and prevention
06:15-06:45 pm	Lindsay H. Allen: Micronutrient deficiencies in lactation worldwide: Effects on milk composition and implications for research and policy
06:45 pm	Closing remarks on the first congress day
06:45-07:30 pm	BREAK & CHANGE OF LOCATION
07:30 pm	COME TOGETHER EVENING Venue: University of Hohenheim, Mensa / Canteen

PARALLEL SESSION ORGANIZED BY THE SABRI ÜLKER FOOD RESEARCH FOUNDATION

NEW APPROACHES TO MONITOR DIETARY INTAKES AND ITS RELATION TO HEALTH

Chair: Hans K. Biesalski Room: Sion

03:15-03:35 pm Hans K. Biesalski: Hidden and neglected – Micronutrient gaps! Why do we need assessment?

03:35-03:55 pm Mirjana Gurinović: New technologies for dietary intake assessment

03:55-04:15 pm Burcu Aksoy: Self-Check Programme: Impact of nutrition on health

CONTINUATION IN THE MAIN PROGRAM



TUESDAY, MARCH 21, 2017 – PROGRAM

Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Zürich	
08:15-08:30 am	Welcome address and introduction by Hans K. Biesalski, Congress Chair
08:30-09:00 am	Opening lecture: Robert E. Black: Interventions to reduce malnutrition
Chair: Robert E. Black Room: Zürich	
09:00-09:30 am	Lawrence Haddad: How we can make food systems deliver better diet quality
09:30-09:45 am	Nicolas Gerber: Health and nutrition outcomes in the Agriculture-WATSAN nexus – Evidence from multiple micro household surveys
09:45-10:00 am	Dharmpal Malik: Food and nutrition security in India – Challenges and way forward
SYMPOSIUM 1: COMBATING HIDDEN HUNGER	
Chair: Noel W. Solomons Room: Zürich	
10:00-10:30 am	Howarth Bouis: Reducing mineral and vitamin deficiencies through biofortification: Progress under HarvestPlus
10:30-11:00 am	COFFEE BREAK
11:00-11:15 am	Samson Gebreselassie: Double burden of malnutrition in Sub-Saharan Africa
11:15-11:30 am	Imane El Harchaoui: Dual burden of malnutrition: Coexistence of anemia, stunting and overweight among school children in Morocco
11:30-12:00 am	Haribondhu Sarma: Home fortification with micronutrient powder: Challenges and opportunities for combating hidden hunger in low-income countries
12:00-12:15 pm	Zannatul Ferdous: The role of homestead gardening in improving household food security and Monga Mitigation in the Char-land areas in Northern region of Bangladesh
12:15-12:30 pm	Allieu Samuel Bangura: Grandmother-inclusive approach: A social innovation for improving infant and young child feeding practices
12:30-01:00 pm	Jack Winkler: The most hidden of all the hidden hungers
01:00-02:00 pm	LUNCH BREAK & VISIT OF POSTER EXHIBITION Room: Zürich
SYMPOSIUM 2: SUPPLEMENTATION	
Chair: Michael B. Krawinkel Room: Zürich	
02:00-02:30 pm	Noel W. Solomons: Trace element interventions – Public health interventions meet evolutionary biology: Examples from iron and zinc
02:30-02:45 pm	Nisha Varghese: Nutrition policy, women empowerment and hidden hunger among children in India: A tripartite nexus
02:45-03:00 pm	Fatima Ezzahra Zahrou: A randomized controlled trial – Can multi-micronutrient milk fortification improve the iodine status, growth and health, of rural Moroccan schoolchildren?
SYMPOSIUM 3: MICROBIOTA AND GASTROINTESTINAL TRACT	
Chair: W. Florian Fricke Room: Zürich	
03:00-03:30 pm	Tahmeed Ahmed: Gut microbiota and malnutrition in children
03:30-04:00 pm	Irwin H. Rosenberg: Environmental Enteric Dysfunction (EED) as an effect modifier in African trials in the treatment and prevention of stunting
04:00-04:30 pm	COFFEE BREAK

04:30-04:45 pm	Mahendra Bishnoi: “Gut feeling and malnutrition”: Studies on beneficial gut microbiota modulation using prebiotic to combat under and over nutrition
04:45-05:00 pm	Bill Kinsey: An invisible illness: The persistence of chronic undernutrition despite nutritional interventions – Evidence and policy gaps
SYMPOSIUM 4: CLIMATE CHANGE	
Chair: Volker Wulfmeyer Room: Zürich	
05:00-05:30 pm	Rainer Sauerborn: Climate change and child undernutrition – Hot topic or hot air?
05:30-05:45 pm	Brendah Butali: Closing smallholder farmer households' food security deficits: Coping during food stress periods in Uganda
05:45-06:00 pm	Chiebonam J. Ayogu: Climate change adaptation practices of households food security in Taraba State, Nigeria
06:00-06:30 pm	SNACK BREAK
06:30-07:30 pm	PANEL DISCUSSION Room: Zürich IMPACT AND CHALLENGES OF FOOD FORTIFICATION Moderator: Hans K. Biesalski
Panelists:	Howarth Bouis Rolf Klemm Michael B. Krawinkel Irwin H. Rosenberg
07:30 pm	Closing remarks on the second congress day

PARALLEL SESSION ORGANIZED BY THE HOHENHEIM RESEARCH CENTER FOR GLOBAL FOOD SECURITY AND ECOSYSTEMS (GFE)	
TRANSDISCIPLINARY RESEARCH FOR FOOD AND NUTRITION SECURITY: CHANCES AND CHALLENGES	
Chair and Moderator: Carolin Callenius Room: Sion	
02:00-02:30 pm	Andrea Knierim: Transdisciplinary methods and approaches
02:30-04:00 pm	PANEL DISCUSSION Panelists: Hanns-Christoph Eiden: Multi stakeholder approaches for wicked problems in the field of food and nutrition security – The view of national and international funding agencies Irmgard Jordan: Transdisciplinary research projects for nutrition security – Experiences and requirements of universities Stineke Oenema: Interdisciplinary research feeding for cross sectoral policy development Flavio Valente: User led research, the perspective from civil society
04:00-04:30 pm	COFFEE BREAK



WEDNESDAY, MARCH 22, 2017 – PROGRAM

Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Zürich	
08:30-08:45 am	Welcome address and introduction by Hans K. Biesalski, Congress Chair
08:45-09:15 am	Opening lecture: Rolf Klemm: Micronutrient programs in a changing landscape
Chair: Mathias Mogge	Room: Zürich
09:15-09:45 am	Lawrence Haddad: How can businesses and actors in the public sector better work together to advance nutrition status?
09:45-10:00 am	Detlev Grimmelt: Empowering smallholders and strengthening rural communities – The Fairtrade approach to combat hidden hunger and poverty
10:00-10:30 am	Sarah Schneider: Structural causes of malnutrition and alternative solutions for sustainable food systems
10:30-11:00 am	COFFEE BREAK
11:00-11:15 am	Paul Armbruster: The role of cooperation to improve smallholder livelihoods
11:15-11:30 am	Mirjana Gurinović: Diet Asses & Plan (DAP) software for dietary intake assessment in supporting public health nutrition research in Central Eastern European Countries (CEEC)
SYMPOSIUM 5: A SHORT TRIP TO ASIA	
Chairs: Veronika Scherbaum and Mathias Mogge	Room: Zürich
11:30-12:00 am	Sabine Gabrysch: Food-based approaches to hidden hunger: The "Food and Agricultural Approches to Reducing Malnutrition" (FAARM) project in Bangladesh
SYMPOSIUM 5A: EXCURSION TO NEPAL	
Chairs: Veronika Scherbaum and Mathias Mogge	Room: Zürich
12:00-12:30 pm	Stella Deetjen: The forgotten people of Mugu (Nepal): Strategies against hunger and other challenges
12:30-12:45 pm	Marisa Schroth: Multi-facet approach to fight malnutrition in Nepal
12:45-01:45 pm	LUNCH BREAK
SYMPOSIUM 5B: EXCURSION TO INDIA	
Chair: Andrea Sonntag	Room: Zürich
01:45-02:15 pm	Nivedita Varshneya: Linking Agriculture and Natural Resource Management towards Nutrition Security (LANN+) – A nutrition-sensitive multi-sector approach
02:15-02:45 pm	Debjeet Sarangi: Uncultivated forest foods as rich sources of micro nutrients
02:45-03:15 pm	Ravinder K. Soni: The nutrition paradox in India: The coexistence of undernutrition and overnutrition
03:15-03:30 pm	Monika Golembiewski: Community based nutrition programs for children agend 6-36 months and pregnant and lactating women to decrease anaemia and stunting prevalences in Bolpur, West Bengal, India
03:30-03:45 pm	Rolf Bucher: Working with Santal villagers, West Bengal, India: Moringa and kitchen gardens to combat malnutrition
03:45-04:15 pm	COFFEE BREAK

SYMPOSIUM 6: A SHORT TRIP TO AFRICA

Chair: Donatus Nohr	Room: Zürich
04:15-04:45 pm	Belem Tounaba Boukary: Nutrition Education Cells (NEC), a community based approach to fight against child undernutrition and strength community resilience, in rural area in Burkina Faso
04:45-05:00 pm	Claudia Hensel: Students fight hidden hunger in Zambia – A multilevel approach to establish Enset – The tree against hunger
05:00-05:15 pm	Daniel Knoblauch: Samaki – An innovative approach to farm fish in rural Africa
05:15 pm	Closing remarks on the third congress day and the 3 rd International Congress Hidden Hunger

PARALLEL SESSION

ORGANIZED BY THE SIGHT AND LIFE FOUNDATION

RATIONALE FOR A PUBLIC HEALTH ADDRESS TO EMERGING MICRONUTRIENTS IN HIDDEN HUNGER: VITAMIN D, VITAMIN E, ESSENTIAL FATTY ACIDS, AMINO ACIDS

Chairs: Klaus Krämer and Noel W. Solomons	Room: Sion
01:45-02:15 pm	Kevin D. Cashman: Vitamins D and K: Micronutrient deficiencies of public health significance or hype?
02:15-02:45 pm	Keith P. West: Vitamin E deficiency: Global burden and consequence
02:45-03:15 pm	Marius Smuts: Essential fatty acids in the first 1,000 days
03:15-03:45 pm	Shibani Ghosh: Role of protein and amino acids in infant and young child nutrition and relationship with growth
03:45-04:15 pm	COFFEE BREAK

SABRI ÜLKER FOOD RESEARCH FOUNDATION NEW APPROACHES TO MONITOR DIETARY INTAKES AND ITS RELATION TO HEALTH



Date: Monday, March 20, 2017
Time: 03:15-04:15 pm
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Sion

- **What are the advances and challenges in novel technological approaches for dietary intake assessment?**
- **How can positive behaviour change be implemented to improve nutritional status based on dietary assessment?**

Diet is a major lifestyle-related risk factor for a wide range of chronic diseases. Changes in dietary habits have been found to reduce cancer incidence by one-third (1). Dietary information has been useful in cardiovascular disease risk prediction (2) and consuming a nutrient-dense diet is associated with a low risk of all-cause mortality (3). Contrary to other lifestyle risk factors (e.g., smoking), dietary exposures are very difficult to measure because all individuals eat foods, even if the amount and the kind of food consumed varies between subjects, and people rarely perceive what and how much they eat (4). Inaccurate dietary assessment can be a serious obstacle towards understanding the impact of dietary factors on disease.

Among the available dietary assessment methods, the food frequency questionnaire (FFQ) has been widely used in large epidemiological studies since the 1990s. After doubts over the accuracy of this technique were raised in the 2000s (5,6), numerous changes have been made to the assessment methods and efforts to improve their accuracy continue. Some researchers have shifted their focus, concentrating on improving the feasibility and accuracy of openended dietary assessment methods rather than improving the FFQ. The quest for relevant biomarkers has also continued. Assessing dietary exposure accurately with limited resources remains a research challenge (7). The development of novel technologies to assess dietary intake will facilitate the public in measuring their individual dietary intake, eating habits and nutritional status. Advances in this field will also aid researchers and policy makers to better elucidate how diet influences public health and well-being (8).

Many new tools and applications are being developed to assess the dietary intake and nutritional status of individuals.

However, these new technologies for diet assessment vary widely in terms of the sources and quality of data. Whilst some tools focus only on dietary assessment, some seek to aid consumer awareness with regard to the association between eating and health (9).

As already noted, dietary intake is difficult to measure, and any single method cannot assess dietary exposure perfectly. Progress has been made in the accuracy of dietary intake assessment methods. For example, the feasibility of using open-ended methods in epidemiological studies has been substantially enhanced (10).

A major objective of the Sabri Ülker Food Research Foundation (<http://www.sabriulkerfoundation.org/>) is to bring together all the key stakeholders in health and nutrition in an environment which encourages networking and dialogue and fosters mutual trust.

The objective of the symposium will be to raise awareness of the advances and challenges in novel and technology based approaches to dietary intake assessment, highlighting the most appropriate methods taking into account the research objectives, hypothesis, design, and available resources. It will consider how innovative technologies can provide insights into consumer eating habits and explain the challenges in developing new methodologies.

During the symposium a Self-Check programme will be presented as a case study. This programme is a scientifically based online programme which has been developed by the Institut für Ernährung und Prävention and Hohenheim University to assess nutritional status. An arm of the project has been implemented in Turkey, supported by the Sabri Ülker Food Research Foundation.

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**HOHENHEIM RESEARCH CENTER FOR GLOBAL FOOD SECURITY
AND ECOSYSTEMS (GFE)**
**TRANSDISCIPLINARY RESEARCH FOR FOOD AND
NUTRITION SECURITY: CHANCES AND CHALLENGES**



Date: Tuesday, March 21, 2017
Time: 02:00-04:00 pm
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Sion

The Sustainable Development Goals aim to end hunger and all forms of malnutrition by 2030. But even assuming very strong political will, the ambitious goal of increasing food production in quantity and quality for all is not easy to reach: climate change, scarce natural resources, volatile markets, global population growth and changes in eating habits are some of the main hurdles.

Food and nutrition insecurity has been sometimes described as a “wicked problem”. Wicked problems are defined as impossible to solve because of the range of complex interacting influences and effects; the influence of human values in all their range; and the constantly changing conditions in which the problem exists (1, 2).

Wicked problems transcend the resources of any single discipline and are in the focus of contemporary transdisciplinary work. Transdisciplinarity allows us to gain a better understanding of the complex contexts, actions and decisions that determine socioecological systems, and to develop organizational, social and technological innovations that are fitted to the given situation (3). Research conducted with relevant stakeholders also makes it possible to better capture questions and solutions that fit to the needs of affected groups, such as the poor and marginalized (4).

The need to combine the knowledge of different stakeholders is also being more and more acknowledged by research funding institutions, such as the European Union that calls for a multi actor approach in many of its research initiatives (5).

The different actors should have a clear role from the planning of work, the experiments, their execution up to the dissemination of results and the possible demonstration phase. Knowledge exchange activities help to generate innovative solutions that are more likely to be applied thanks to the co-creation of knowledge and the generation of co-ownership for eventual results. Solutions promise to be more comprehensive concerning the complexity and more adapted for the later use. But although chances of integrating different knowledge systems might be obvious, its implementation remains a challenge (6).

The objectives of this parallel session are to:

- give an overview on the principles and core characteristics of transdisciplinary research, the approaches and methods
- dialogue on opportunities for practice partners, decision makers and implications for researchers
- showcase examples of multi-actor projects
- foster an exchange of views on how to best implement and encourage participants to engage in transdisciplinary research.

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RATIONALE FOR A PUBLIC HEALTH ADDRESS TO EMERGING MICRONUTRIENTS IN HIDDEN HUNGER: VITAMIN D, VITAMIN E, VITAMIN K, ESSENTIAL FATTY ACIDS, AND AMINO ACIDS



Date: Wednesday, March 22, 2017
 Time: 01:45-03:45 pm
 Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Sion

Manifestations of vitamin and mineral deficiencies can be so subtle that they can easily go unperceived in routine population health assessments. This is the connotation of “Hidden Hunger”. Although survey data have catalogued the prevalence of micronutrient deficiencies over the past decades, our knowledge of the magnitude and severity of the problem remains limited. While micronutrient deficiencies still persist, a number of mixed-quality interventions have been put in place – or are being contemplated – for several well-known nutrients.

The majority of the discussions at the main sessions of the 3rd Hidden Hunger Congress, taking place this March in Stuttgart, will therefore focus on well-established micronutrients such as iron, iodine, vitamin A, and zinc, with a minor emphasis being placed on folate and vitamin B12. Public health interventions are currently being directed towards these deficiencies in the policies and programs of the public health community in attendance.

Meanwhile, over recent decades, advances have been gathering force in fields ranging from chemical diagnostic biomarkers to metabolomics and dietary survey epidemiology. These efforts offer convergent evidence suggesting that many more nutrients are being widely ingested in insufficient quantities or are being poorly retained due to adverse environmental factors, which could lead to the introduction of an additional series of essential nutrients to the agenda for public health action. These are the so-called “emerging nutrients of public health interest”, which may be hidden from the Hidden Hunger roster. This Congress welcomes the opportunity and provides a platform to bring them out of hiding.

The objective of the symposium with the title “Rationale for a public health address to emerging micronutrients in hidden hunger: vitamin D, vitamin E, vitamin K, essential fatty acids, and amino acids” is to share, explore, and discuss findings from population studies of both observational and interventional designs pointing to deficits in dietary intake and/or deficiencies in nutritional status for vitamins D, E, and K, essential fatty acids, specific essential amino acids, and choline, also known as “emergent” micronutrients.

The symposium features speakers and chairs with relevant experience of such emergent nutrients in locations ranging from Ireland in Europe to South Africa, Malawi, and Ghana in Africa, Bangladesh and Nepal in Asia, and Guatemala in Latin America.

The outcome goal for the discussion is to have informed and updated members of the micronutrient community with scientific bases that point to the greater public health relevance of these emerging nutrients. In addition, set the bases for advancing consensus around when, how, and for whom more direct action in dietary diversification, food- and bio-fortification, and oral supplementation might become part of the tool-box for international micronutrient programs.

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HIGHLIGHTS AND SIDE EVENTS

PRESS CONFERENCE:

Date: Monday, March 20, 2017
Time: 12:45 pm
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Sion

Moderator: (without academic titles)

Philipp Hedemann

Journalist and author, Germany

Participants: (without academic titles)

S.E. Mme Dominique Ouattara

First Lady of the République de Côte d'Ivoire, Founder and President of the Foundation "Children of Africa"

Thomas Silberhorn

Parliamentary State Secretary of the German Federal Ministry for Economic Cooperation and Development (BMZ)

Friedrich Wacker

Head of Directorate "International Cooperation and World Food Affairs" at the German Federal Ministry of Food and Agriculture (BMEL)

Shawn Baker

Bill & Melinda Gates Foundation, USA

Michael B. Krawinkel

Justus-Liebig-University Gießen, Germany

Joachim von Braun

Center for Development Research (ZEF), Germany

COME TOGETHER EVENING:

We cordially invite all congress participants to come together and celebrate with us!

Date: Monday, March 20, 2017
Time: 07:30 pm
Venue: Mensa/Canteen at the University of Hohenheim (see pages 84-89)

Entrance is free and registration in advance is not required!

PANEL DISCUSSION: Impact and challenges of food fortification

Date: Tuesday, March 21, 2017
Time: 06:30 pm
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Zürich

Moderator: (without academic titles)

Hans K. Biesalski

University of Hohenheim, Germany

Panelists: (without academic titles)

Howarth Bouis

HarvestPlus/International Food Policy Research Institute (IFPRI), USA

Rolf Klemm

Helen Keller International (HKI), USA

Michael B. Krawinkel

Justus-Liebig-University Gießen, Germany

Iriwn H. Rosenberg

Tufts University, Friedman School of Nutrition Science and Policy, USA

BEST POSTER AWARD:



The Society of Nutrition and Food Science (SNFS) will award the three best poster presentations with a prize of up to 300 €. We are delighted to announce and inform the three presenters directly during the congress.

www.snfs.org



EXHIBITIONS:

- 1.) Exhibition of NGOs and companies of the civil sector
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Genf
- 2.) Poster exhibition
Venue: Mövenpick Hotel Stuttgart Airport & Messe, Room: Zürich

From March 20 until March 22, 2017, the exhibition can be visited at any time.

**DAAD ALUMNI SPECIAL PROJECTS ORGANIZED BY DAAD (DEUTSCHER
AKADEMISCHER AUSTAUSCHDIENST/GERMAN ACADEMIC EXCHANGE SERVICE):
ALUMNI WORKING TOGETHER AGAINST HIDDEN HUNGER**

DAAD

Alumni of German higher education institutions are important partners for the German scientific community as well as the German economy. The DAAD Alumni Special Projects aim at supporting experts educated in Germany by offering education and by providing opportunities to network with representatives of Germany's science and economy field. Therefore, alumni participation at congresses, conferences and trade fairs is organized.

In these projects, the Sustainable Development Goals create the framework for our activities. The specific structure of Alumni Special Projects has so far focussed on six essential topics: Water/Water Management, Food Security, Medicine/Health Management, Renewable Energies, Education/Lifelong Learning and Biodiversity.

Within in the scope of Food Security and consistent with the 3rd International Congress Hidden Hunger, the DAAD Alumni Special Projects offered two universities the possibility to invite 50 scientists and executives from 21 developing countries, who have researched or studied in Germany, to receive further training (one-week seminar) at a German university.



The overall objective of the seminar hosted by the Food Security Center (FSC) of the University of Hohenheim is the preparation of 25 Germany Alumni to contribute to the development of measures against hidden hunger using interdisciplinary approaches. Participation at the International Food Security Network Seminar qualifies Germany Alumni for an active participation at the 3rd International Congress Hidden Hunger – both methodologically and scientifically.



The seminar hosted by the University of Siegen is organized in close cooperation with the Justus-Liebig-University Giessen, Center for Development and Environmental Research (ZEU), Institute of Nutritional Sciences and Department of Agricultural and Environmental Policy.

Presentations of Alumni and German lecturers will focus on food security including health and welfare aspects, the interrelation between nutrition, standard of live and quality of live in the human life-cycle, the underestimated resources in rural development, and the holistic view on the resources water, energy and food production, food transport and storage especially in the rural sector. Additionally, an excursion to agricultural production site in combination with a social therapeutic community will demonstrate ways to integrate high quality agricultural production and social welfare.

Another excursion to BASF is planned with both Alumni groups. A joint network, the German Alumni Water Network (GAWN) at Alumniportal Deutschland will ensure a long-lasting academic exchange.

The DAAD supports over 100,000 international and German students and researchers around the globe each year – making it the world's largest funding organisation of its kind. We also promote internationalisation efforts at German universities, help developing countries build their own systems of higher education, and support German studies and German language programmes abroad.

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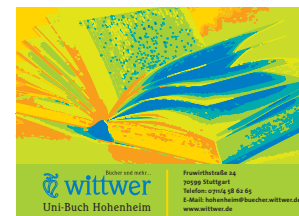
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MAIN SPEAKERS, PANELISTS AND CHAIRS (WITHOUT ACADEMIC TITLES)



Ahmed, Tahmeed

Dr. Tahmeed Ahmed is Senior Director and Senior Scientist of the Nutrition and Clinical Services Division of icddr,b. He is a clinician with a PhD and for the last 30 years has been working on the treatment of and public health measures for malnutrition, childhood tuberculosis, and diarrheal diseases. He developed a treatment protocol for management of children with severe acute malnutrition (SAM) and diarrheal diseases, the implementation of which resulted in a 50% reduction in case fatality among children admitted to the hospital with SAM. The team led by Dr. Ahmed has recently developed nutritional treatment from locally available food ingredients for preventing and treating acute malnutrition in children.

Dr. Ahmed was actively involved in the development of national guidelines for management of childhood malnutrition as well as tuberculosis in Bangladesh. He also worked with WHO in revising the global guidelines on management of childhood malnutrition. He was a member of the writing team for the Lancet series on maternal and child under nutrition published in 2008 and also in 2013. Currently he is the Bangladesh site principal investigator of the Bill & Melinda Gates Foundation supported multi-country Malnutrition-Enteric Diseases (Mal-ED) Project. This study is investigating the association between malnutrition, enteric diseases and cognitive development. His study of microbiota in acute malnutrition has been published in Nature. He has also investigated the microbiome in patients with cholera, results of which have also been published in Nature. He is also working intimately on stunting and environmental enteropathy.

Dr. Ahmed was the Chair of the sub-committee formed by the Government of Bangladesh to draft the National Nutrition Policy of Bangladesh. He works closely with WHO, UNICEF and the International Atomic Energy Agency in research and training on nutrition. He is a Professor of Public Health Nutrition at the James P. Grant School of Public Health, BRAC University. A prolific author, he has more than 200 papers published in international journals. While he was a student of Mymensingh Medical College, Dr. Ahmed was an active member and President of the national committee of Sandhani, a voluntary service organization of medical students. Dr. Ahmed was elected President (2011-2013) of the Commonwealth Association for Pediatric Gastroenterology and Nutrition (CAPGAN), an association of professionals from the 54 Commonwealth nations.



Allen, Lindsay H.

Dr. Lindsay Allen is Director of the USDA, ARS Western Human Nutrition Research Center and Research Professor, Department of Nutrition, University of California, Davis. She studies the prevalence, causes and consequences of micronutrient deficiencies, primarily in developing countries, using randomized, controlled human trials testing micronutrient supplements, food fortification, and food-based approaches to improve nutritional status, pregnancy outcome and child development, described in her 250 publications. She has increased awareness of the globally high prevalence of vitamin B12 deficiency, its adverse consequences and response to food-based and supplementation interventions, and uses novel methods to measure B12 absorption and functional effects of supplementation. Her current focus is on methods for assessment of micronutrients in human milk, and effective interventions for increasing low milk micronutrient concentrations. Dr. Allen served on eleven committees of the Food and Nutrition Board, Institute of Medicine, and has advised many national, bilateral and international organizations including WHO, UNICEF, Asian Development Bank, the World Bank, PAHO and FAO. She is principal author of "What Works? A Review of the Efficacy and Effectiveness of Nutrition Interventions", and WHO's "Guidelines on Food Fortification with Micronutrients". She served as President of the American Society for Nutrition and the Society for International Nutrition Research, and received the Kellogg Prize from the Society for International Nutrition Research, and the McCollum International Lectureship and Conrad A. Elvehjem Award for Public Service in Nutrition from the American Society for Nutrition. She is past Vice President of the International Union of Nutritional Sciences, and serves on the International Micronutrient Forum and the Board of the International Nutrition Foundation, and chairs the Vitamin B12 Expert Panel for NIH's Biomarkers in Nutrition and Development. In 2016 she received the Outstanding Investigator of the Year Award from the Vitamins and Minerals Research Interest Section of the American Society for Nutrition, and the Career Achievement in Evidence Translation Award from the Mathile Institute.



Amoroso, Leslie

Leslie Amoroso has a degree in international relations and diplomatic affairs with a focus on development policies from the Università di Bologna, Italy. She holds a Master's in urban and regional planning for developing countries with emphasis on food and nutrition security and livelihood issues from the Istituto Universitario di Architettura di Venezia (IUAV), Venice, Italy. Ms Amoroso has wide international experience in food and nutrition security policy and programme-related activities, with a focus on food and nutrition insecure and vulnerable households, childhood, gender and HIV/AIDS in Ethiopia, the Gambia and Nicaragua. She joined FAO Headquarters in Rome in 2007, where she is Programme Officer in the Nutrition and Food Systems Division, working on governance, policy, programme and advocacy activities and initiatives aimed at improving nutrition with a food system approach. Ms Amoroso supported the joint FAO/WHO Secretariat of the Second International Conference on Nutrition (ICN2) with the coordination of FAO's preparatory activities for the Conference covering the planning, governance, policy, strategy and technical aspects. She is currently providing support to the post-ICN2 activities and to the implementation of the United Nations Decade of Action on Nutrition (2016-2025). She is co-editor of the joint FAO/CABI publications "Improving Diets and Nutrition – Food-based Approaches" (2014) and "Combating Micronutrient Deficiencies: Food-based Approaches" (2011). She also contributed to several articles, policy and technical papers, reports, and other relevant materials on nutrition-sensitive agriculture and food-based approaches and food environments for healthy diets.



Armbruster, Paul

Dr. Paul Armbruster. Trained and certified Banker. Volunteer in Rural Cooperative Projects in Bolivia and Ecuador. Studies in economics and business administration at Mannheim University, Graduate in Economics. Assistant Professor University of Mannheim. PhD in Business Administration. Researcher in the Research Institute for International Agriculture in Heidelberg. Consultant for national and international organizations. 1988-2014 Head of the International Relations Department in the Deutscher Genossenschafts- und Raiffeisenver-

band e.V. (DGRV) / German Cooperative Confederation. 2002-2013 General Secretary of the International Raiffeisen Union (IRU) Member of different official working groups and foundations. Senior Consultant in Cooperatives, Farmer's Associations Rural Finance and Rural Development.



Arndt, Channing

Channing Arndt is a Senior Research Fellow in the Development Strategy and Governance Division of the International Food Policy Research Institute. He has more than 25 years of experience in development economics with seven years combined resident experience in Morocco and Mozambique. He has published more than 70 articles in leading academic journals. He has substantial research management experience including leadership of interdisciplinary teams and has taken leadership roles in major policy documents such as the design of a carbon tax for the National Treasury of South Africa, the Economics of Adaptation to Climate Change for the World Bank, and the Second, Third, and Fourth National Poverty Assessments for the Government of Mozambique. He has an established reputation for effectively building institutional capacity in Mozambique, South Africa, Morocco, Vietnam and within the framework of the African Economic Research Consortium. His program of research has focused on agricultural development, poverty alleviation and growth, market integration, gender and discrimination, the implications of the HIV/AIDS pandemic, technological change, trade policy, aid effectiveness, infrastructure investment, energy, bioenergy, climate variability, and the implications of climate change.



Baker, Shawn

Shawn K. Baker joined the Bill and Melinda Gates Foundation in August 2013 and is Director of Nutrition in the Global Development Program. He has over 30 years' experience in international public health, including 25 years living in sub-Saharan Africa. Prior to joining the foundation he was with Helen Keller International including 16 years as Vice President

and Regional Director for Africa. In that role he oversaw expansion from four to 13 country programs. Flagship programs that he has shaped include vitamin A supplementation through child health days reaching over 50 million children twice-yearly and food fortification programs reaching over 130 million consumers. He led development of strategic regional relationships, particularly with the 15-nation West African Health Organization. In addition, he served as country director for Helen Keller International in Niger and Bangladesh.

Other responsibilities during Mr. Baker's 30 years career include: Co-Promoter of the Niger Health Information System, Coordinator of the Tulane University Center for International Health and Development, and Coordinator of the Famine Early Warning System in Southern Africa, and representative in Niger. He served as a U.S. Peace Corps Volunteer in the Democratic Republic of the Congo (formerly Zaïre).

Mr. Baker received a Master's of Public Health degree from the Tulane University School of Public Health and Tropical Medicine in 1989 with concentrations in international health and nutritional epidemiology. He earned his Bachelor of Science degree in biology from the University of Miami. He is the author or co-author of over 80 peer-reviewed publications, presentations at international conferences and monographs. Mr. Baker's longstanding commitment to Niger has been recognized by the awarding of "Officier de l'Ordre du Mérite du Niger" by the Presidency of the Republic of Niger and the Ministry of Foreign Affairs. His service on committees and advisory groups include the Technical Review Panel for The Global Fund to Fight AIDS, Malaria and Tuberculosis, which he chaired until November 2014. He currently chairs the Executive Committee of the Scaling Up Nutrition Movement and was on the board of the Global Alliance for Improved Nutrition 2013-2016.



Biesalski, Hans K.

Prof. Dr. med. H. K. Biesalski is head of the Institute of Biological Chemistry and Nutrition as well as Director of the Food Security Center (FSC) at the University of Hohenheim in Stuttgart, Germany. After his studies of Medicine at the University of Mainz and his appointment as Research Assistant at the Department of Physiology, Division of Physics, he graduated with an MD thesis about "Progressive Hearing Disorders in Childhood". After several years' activity as Assistant Professor, he obtained his habilitation with the thesis "Vitamin A and Inner Ear. Development and Application of Biochemical and Electrophysiological Studies". He specified in Nutritional Medicine and was appointed Associated Professor, then full C4-Professor at the

Department of Biological Chemistry and Nutrition at the University of Hohenheim. He was also appointed Managing Director, then Director of the Food Security Center (FSC) at the University of Hohenheim.

Prof. Dr. Biesalski has over 30 years' experience in research on retinoids and their actions on cellular growth and differentiation, vitamin A and human health, especially lung diseases. First, his research activities have concentrated on antioxidants and vitamins in basic and applied research on reactive oxygen species and their role in human nutrition. Then, his basic research related to food quality as an indicator of adequate and healthy nutrition and micronutrients in human health and disease with special emphasis on vitamin A and iron.

Prof. Dr. Biesalski is Editor of the journal "Nutrition and metabolism in cancer" as well as European Editor of the journals "Nutrition" and "Nutrition and Metabolism". He has edited 7 textbooks related to nutrition medicine, nutrition physiology, clinical nutrition and aging (some of them translated in English, French and Chinese) and published more than 330 peer-reviewed papers in the most prestigious scientific journals dealing with nutrition, vitamins and nutrition medicine. He has chaired several international conferences (amongst others the WHO Conference on Nutrition and Cancer in 1997, the First Congress Nutrition Teams and the International Congresses Hidden Hunger).

As Principle Investigator of nutrition studies in developing countries he studied the impact of DDT on vitamin A status in refugee camps, nutrition and food quality including RUF (ready-to-use food) in developing countries (Thailand, Indonesia, Vietnam, Ethiopia, Kenya, Samoa), the impact of climate change on food quality (Collaborate Research Center University Hohenheim and Hebrew University of Jerusalem: Increasing Use of reclaimed water in agriculture: Impact on the safety and quality of food from crops and livestock) and the characterization of Ethiopian edible oils and its improved use in Ethiopian diets. Furthermore, he has developed IT based programs (with specific scoring systems to detect malnutrition and micronutrient intake in different groups (children, pregnant women and elderly, cancer patients); the programs are used in different trials to assess the individual nutrition status and to control intervention trials. Prof. Dr. Biesalski is a member of the Executive Boards and Scientific Advisory Boards of the most important German health societies and academies as well as of the Scientific Advisory Board of the US Pharmacopoeia. He is also a member of different international societies and vitamin consultative groups, e.g. the WHO/FAO Expert Group Application of Nanotechnologies in the Food and Agriculture Sectors (Potential Food Safety Implications), the FAO/WHO BOND (Biomarker of Nutritional Deficiencies) Initiative and the High Level Panel of Expert Group of the Global Forum on Food Security and Nutrition.



Black, Robert E.

Robert E. Black, M.D., M.P.H. is Professor and Director of the Institute for International Programs of the Johns Hopkins Bloomberg School of Public Health in Baltimore, Maryland. Dr. Black is trained in medicine, infectious diseases and epidemiology. He served as a medical epidemiologist at the Centers for Disease Control and worked at institutions in Bangladesh and Peru on research related to childhood infectious diseases and nutritional problems. He was Chair of the Department of International Health of the Bloomberg School of Public Health from 1985-2013.

Dr. Black's current research includes field trials of vaccines, micronutrients and other interventions, effectiveness studies of health programs, and evaluation of preventive and curative health service programs in low-and middle-income countries. In the last 20 years he led work that demonstrated the benefits of zinc supplements in prevention and treatment of childhood diarrhea and pneumonia. His other interests are related to the use of evidence in policy and programs, including estimates of causes of child mortality, the development of research capacity and the strengthening of public health training.

As a member of the US Institute of Medicine and advisory bodies of the World Health Organization, the International Vaccine Institute, the International Centre for Diarrhoeal Disease Research, Bangladesh and other international organizations, he assists with the development of research and policies intended to improve child health. He chaired the Child Health and Nutrition Research Initiative and serves on the governing boards of the Micronutrient Initiative and Vitamin Angels. He has more than 650 scientific journal publications and is co-editor of the textbook "Global Health". Dr. Black is the recipient of the Programme for Global Paediatric Research Award for Outstanding Contributions to Global Child Health in 2010, the Prince Mahidol Award for Public Health in 2010, the Canada Gairdner Global Health Award in 2011, the Nutrition Leadership Award from Sight and Life in 2013, and the Jimmy and Rosalynn Carter Humanitarian Award in 2016.



Bouis, Howarth

As director of HarvestPlus during 2003-2016, Howarth Bouis coordinated an interdisciplinary, multi-institutional effort to breed and disseminate micronutrient-rich staple food crops to reduce mineral and vitamin deficiencies among malnourished populations in developing countries. Since 1993, he has sought to promote biofortification globally. In 2016, Bouis was awarded the World Food Prize, in recognition of the accomplishments of the HarvestPlus team.

Dr. Bouis received his B.A. in economics from Stanford University and his M.A. and Ph.D. from Stanford University's Food Research Institute, a program in agricultural economics. His past research at the International Food Policy Research Institute (which he joined in 1982 as post-doctoral fellow and where he is still employed) focused on understanding how economic factors affect food demand and nutrition outcomes, particularly in Asia. During 1972-75, Bouis worked as a volunteer in the Philippines with Volunteers in Asia.



Bucher, Rolf

Rolf Bucher has acquired the methods of organic and biodynamic agriculture in the late 1970s and has been practising them ever since. As farm manager for WALA/Dr.Hauschka Cosmetics (Germany) for more than 30 years he not only cultivated medicinal plants organically, but also gave workshops and trained agricultural students. Rolf Bucher is founding member and board director of "Hortus officinarum", an organisation, whose aims are to preserve biodynamically or organically grown seeds of medicinal plants and to grow new cultivars.

In close cooperation with GLS Zukunftsstiftung Entwicklung (Germany), he and his partner Anne Bucher have been working in rural development and education since 2011. Their main assignments so far:

- cooperating with small-holder farmers in India, Kenya, Vietnam and Zimbabwe
- workshops for students at Biodynamic Farm School (India)
- development of a school farm at Mbagathi Steiner School (Kenya)
- workshops for the East African Waldorf Teacher Training (Kenya)



Callenius, Carolin

Carolin Callenius is Managing Director of the Hohenheim Research Center for Global Food Security and Ecosystems (GFE). This central inter-faculty research center aims to strengthen the University's scientific potential on global food security and nutrition, planetary boundaries, climate change and adaptation, ecosystem services, and development oriented agricultural research. It brings together numerous researchers from agricultural sciences, biology, food sciences, to socio-economic sciences to establish new interdisciplinary research projects. The center promotes and supports international research cooperation, inter- and transdisciplinary research, and science-policy-interface.

In this function Carolin Callenius is also serving as board member to Agrinatura, a network of European universities and research organizations aiming at the support of research for agricultural development.

Before joining the GFE, Carolin Callenius worked for 25 years with faith based development organizations in Germany as Senior Policy Advisor on the Right to Food, as Coordinator of a Campaign on World Food Security and as Gender Advisor.

She received her M.Sc. degree in Agricultural Sciences from the University of Hohenheim, with the focus on 'Economics and Social Sciences of Agriculture'.

Cashman, Kevin D.

Professor Kevin Cashman is the Endowed Chair of Food and Health at University College Cork (UCC), a joint position between the School of Food and Nutritional Sciences and the Department of Medicine at UCC. He is also the joint director of the Cork Centre for vitamin D and Nutrition Research at UCC. His research interests focus on a number of key public health areas in relation to vitamin D and also vitamin K. He was a member of the UK SACN group who established new vitamin D recommendations recently. Professor Cashman is the Joint Coordinator (together with Professor Mairead Kiely) of a major European Commission-funded project on Food-based solutions for 'Optimal vitamin D Nutrition and health through the life cycle (ODIN)', which is a 31 partner collaborative project aimed at tackling vitamin D deficiency in Europe (2013-2017).



Deetjen, Stella

It was 20 years ago, right after leaving school, when Stella Deetjen, founder and chairwoman of the NGO "Back to Life", started her work with a social programme in Benares (Varanasi / India) – to help needy people with a background of leprosy. Till today the non-profit organization inaugurated three children's homes and 13 (non-formal) slum schools in Benares. Since 2009, Back to Life also takes care about three project areas in Nepal: One of them is the lonely mountain area "Mugu" in the west of Nepal – home of the "Forgotten people". Here it's a permanent fight against one of the highest maternal and infant mortality rates of the world. The NGO constructed already six birth centres to support the woman of Mugu. Also nine schools obtained new school buildings to enable better career chances to the children. At the moment, Back to Life is reconstructing six schools in the area of "Nuwakot" which were destroyed by the earthquakes of 2015. In 2016, Stella Deetjen released a book about her first years in Benares and the start of the project work of Back to Life: It's called "Unberührbar" ("Untouchable"). She is often invited by German TV and radio shows to speak about her work.



Eiden, Hanns-Christoph

Dr. Hanns-Christoph Eiden has been president of the Federal Office for Agriculture and Food (BLE) since 2010. He heads a federal agency competent for control measures in the agricultural, the food and the fisheries sectors and for the implementation of research and communication programmes. Among others, his tasks include the coordination of German interests in agricultural research at European level, active cooperation in respective EU committees, as well as protecting agro-biodiversity and managing the Federal Programme for Organic Farming and other Forms of Sustainable Agriculture. Since 2017 the Federal Center for Nutrition has been established within the Federal Office. The Federal Office is also the national focal point responsible for the preparation of the International Conference on Nutrition 2 in Rome, in November 2014.

Before being appointed to his current position, Hanns-Christoph Eiden held various positions at the Federal Ministry of Agriculture and Consumer Protection (BMEL), among them, most

recently, that of director of European and International Affairs, and he was also the German spokesman at the EU Special Committee on Agriculture.

A lawyer by profession, he studied at the universities of Trier and Münster where, in 1983, he obtained his doctorate in law for his dissertation on the harmonization of laws in Europe.



Frank, Jan

Jan Frank graduated with a Diploma in Nutrition from Bonn University (2000), obtained a PhD in Food Science at the Swedish University of Agricultural Sciences (2004), and received postdoctoral training at the Universities of Kiel and Hohenheim. He was a visiting scientist at the Linus Pauling Institute (USA), the University of Reading (UK) and the University of Surrey (UK).

Dr. Frank currently heads the division Biofunctionality and Safety of Food at the Institute of Biological Chemistry and Nutrition at the University of Hohenheim. He is president of the Society of Nutrition and Food Science, and editor-in-chief of NFS Journal, regional co-editor of Nutrition, and member of the editorial boards of The Journal of Nutritional Biochemistry, BioFactors, and Plant Foods for Human Nutrition.

His research interests lie in factors that determine the absorption, metabolism, and elimination of phytochemicals and the different vitamin E congeners and in developing novel strategies to overcome the low intrinsic oral bioavailability of phytochemicals, as well as in understanding the biological activities of potentially health-beneficial bioactives.



Fricke, W. Florian

W. Florian Fricke is professor for Nutrigenomics at the University of Hohenheim in Stuttgart, Germany. He also holds an adjunct assistant professor position at the Institute for Genome Sciences at the University of Maryland School of Medicine, Baltimore, USA. He received his Ph.D. at the University of Göttingen, Germany, and was a postdoctoral fellow at The Institute for Genomic Research (TIGR), Rockville, Maryland, USA. His research is based on micro-

bial genomics and applied bioinformatics with a focus on the analysis of the gastrointestinal microbiota in the context of host immune interactions. He is also the principal investigator of the Cloud Virtual Resource (CloVR) project that assembles bioinformatics software for automated microbial sequence analysis using virtual machines and cloud computing, including diagnostic applications of bacterial whole-genome sequencing.



Gabrysch, Sabine

Sabine Gabrysch is Deputy Head of the Institute of Public Health at Heidelberg University and Head of the Institute's Unit of Epidemiology and Biostatistics, as well as a Honorary Lecturer at the London School of Hygiene & Tropical Medicine. She has been elected to the Board of the German Society of Epidemiology and the Heidelberg Centre for the Environment. Sabine holds a medical degree from the University of Tübingen and an MSc and PhD in Epidemiology from the London School of Hygiene & Tropical Medicine. She worked as a medical doctor in Sweden and Ethiopia and as a consultant to GIZ. Her area of research is global maternal and child health. Among other awards and fellowships, Sabine has been a Margarete von Wrangell fellow and worked on geographic access to care and quality of care at childbirth in Ghana. Since 2013, she leads a BMBF-funded Junior Scientist Group conducting the six-year research project "Food and Agricultural Approaches to Reducing Malnutrition" (FAARM). The project entails a cluster-randomized trial among 2600 women in 96 villages of rural Bangladesh, evaluating the impact of Helen Keller International's Homestead Food Production program on chronic undernutrition in women and young children.



Ghosh, Shibani

Shibani Ghosh is a public health nutritionist with over 15 years of experience working in the Middle East, Asia and Africa. She is the Associate Director for the Feed the Future Innovation Lab for Nutrition at Tufts University, an Adjunct Assistant Professor at Friedman School, and a Senior Scientist at the Nevin Scrimshaw International Nutrition Foundation. Her research interests include examining malnutrition in all its forms, formulating and implementing evidence based interventions targeting nutritionally disadvantaged populations and translation of innovative basic and clinical sciences research into applied community based research. Specifically, she works on understanding the agriculture-nutrition linkages, examining biological determinants of stunting (e.g. aflatoxins and their relationship to growth), diet and other non diet determinants of stunting in infants and young children and testing interventions to improve the protein and micronutrient quality of complementary foods with the aim to improve linear growth. She has worked and published in the realm of understanding the role of protein and specifically amino acids in improving growth and reducing morbidity.

Research interests include effects of amino acids on health and nutrition in developing countries, improving complementary foods (fortification and bio-fortification) for prevention of malnutrition in children aged 6-24 months, translation of innovative basic and clinical sciences research into applied evidence based community interventions, nutrition and agriculture linkages and the role of nutrition within global agenda and issues related to capacity building.



Golembiewski, Monika

For the last 22 years, the paediatrician Dr. med. Monika Golembiewski has been working in Bolpur, West Bengal, India, as a volunteer to improve the health of children and their mothers. She founded the charitable society "Shining Eyes – medical first aid for children and socio economic village development in India" and with her efforts a preventive health care centre could be inaugurated in 2011. This hospital is the centre of a preventive village work, where awareness trainings are conducted, village health workers are trained and kitchen gardens

are being planted to enrich the monotonous diets of the Santals, who belong to the native inhabitants of India.

In 2007 her daughter-in-law Silvia Golembiewski (development economist) joined this development work and mutually first nutrition programmes for children and mothers have been initiated. Meanwhile Caroline Stiller, nutritionist, from Hohenheim University joined the project and the nutrition programmes could be further optimized with her help. Since 2015 we run nutrition programmes in 14 villages to analyze the effectiveness of these community based cooking centres, where mothers are trained to prepare local foods for their children. To cover the children's' micronutrient needs, rather a micronutrient sprinkle or a locally produced leaf powder of Moringa and Amaranthus is mixed in the cooked meals. Therewith, we strive to decrease the still alarmingly high prevalences of anaemia and stunting amongst these children and mothers.



Grimmelt, Detlev

Detlev Grimmelt looks back at 25 years of experience in the field of Fast Moving Consumer Goods (FMCG). Having completed his studies in business administration, he started to gain first professional experience at the coop group. He then held different marketing and sales positions at the dairy company Arla Foods for 18 years before he became CEO of Finefood Alliance.

Since 2011 Detlev Grimmelt has been working for TransFair e.V. (Fairtrade Germany). As a member of the executive board he is in charge of TransFair's Marketing and Sales Department. Furthermore, he is Fairtrade Germany's contact to the Asian and Pacific Producer Network and a member of Fairtrade's International Finance Committee which controls finances and participates in developing strategies to align and ensure the distribution of money to interest groups in the Global South.

TransFair e.V. is a non-profit association which was founded in 1992. As German member organization of Fairtrade International TransFair e.V. is also called Fairtrade Germany.

A team of more than 50 people contributes to establishing Fairtrade in the German economy and society. Fairtrade connects consumers, businesses and producer organizations in the Global South. Fairtrade changes trade by means of fairer prices for small scale producers and more humane working conditions for small scale farmers as well as workers on plantations.



Gurinović, Mirjana

Mirjana Gurinović MD, PhD in nutrition, Scientific Research Advisor, FAO Expert TCDC/TCCT and Nutrition consultant FAOREU, EFSA Hearing Expert working at the Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Serbia www.srbnutrition.info is an experienced scientist who is actively engaged in research on nutrition, food composition, micronutrient recommendations, public health nutrition and epidemiology, dietary intake and nutritional status assessment, diet and health. She has considerable experience in co-coordinating national projects and has led a national study of atherosclerotic risk factors, nutritional status and the nutrition quality of diet in school children, as well as dietary quality and health status in the adult population in Serbia. She was the WHO Nutrition counterpart for Serbia and National coordinator for Nutrition action plan for nutrition and strategy for obesity prevention in Serbia, and has collaborated over a number of years with FAO, the regional office in Budapest. She has over 300 published peer-review papers, abstracts, and reports in national and international journals. She also created several software's for food composition data base management, dietary intake assessment, nutrition planning and diet modeling with the possibility to link with monitoring of the nutritional status of a population. She was also involved as focal point for the FAO International Year of Pulses 2016 celebration, national, regional and global dialogue. Dr. Gurinović is a member of a number of professional associations including: ILSI Europe, Dietary intake and exposure task force, expert group member "Evaluation of new methods for dietary intake assessment", Nutrition Expert Group in European Heart Network, founding member of the World Public Health Nutrition Association (WPHNA), International Scientific Committee of Choices International Foundation (ISC) and many others. She is a Chair of the Capacity Development Network in Nutrition in Central and Eastern Europe, (NCDNCEE/CAPNUTRA), (www.capnutra.org) and contributed to food nutrition capacity development in this region. She was actively involved in several EC FP6/FP7 NoE projects, including EURRECA, EuroFIR, EFSA projects, BaseFood, CHANCE, EuroFIR-Nexus, ODIN, Bacchus, and Project advisory board (PAB) member in Euro DISH – "Study on the need for food and health research infrastructures in Europe".

Personal home page: <http://srbnutrition.info/english/portfolio/dr-mirjana-gurinovic-naucni-savetnik/>



Haddad, Lawrence

Lawrence Haddad is the Executive Director of the Global Alliance for Improved Nutrition (GAIN). Prior to this he was a Senior Research Fellow at the International Food Policy Research Institute (IFPRI) where he served as the Co-Chair of the Global Nutrition Report from 2014-2016. From 2004-2014 Lawrence was the Director of the Institute of Development Studies (IDS) in the UK and a Professor of Development Studies. He was the UK's representative on the Steering Committee of the High Level Panel of Experts (HLPE) of the UN's Committee on World Food Security (CSF) from 2009-2011. He was the President of the UK and Ireland's Development Studies Association from 2010 to 2012. Before joining IDS Lawrence was Director of the Food Consumption and Nutrition Division at IFPRI from 1994-2004. Prior to this he was a lecturer in quantitative development economics at the University of Warwick. He has also been a visiting scholar at the London School of Economics. His work focuses on a wide range of issues related to the well-being of the poor, including the design of policies and programs intended to reduce poverty and malnutrition, the impact of gender difference in access to resources on nutrition and poverty, the role of community participation in the performance of poverty programs, and the challenges rapid urbanization poses for food security and nutrition. He has published extensively on these issues. Lawrence completed his PhD in Food Research from Stanford University in 1988.



Hedemann, Philipp

Philipp Hedemann is a German freelance journalist, author and moderator. After being based in Addis Ababa (Ethiopia) as an Africa correspondent for more than three years, he now resides in Berlin. He regularly travels to Africa, Asia and Latin America, reporting on humanitarian crises, refugee affairs and development aid issues. While covering the devastating drought at the Horn of Africa in 2011, he witnessed the suffering of starving Somali children. This deeply saddened and angered him and led him to dig deeper into the effects of (hidden) hunger, especially on children and the approaches to overcome this shameful development obstacle. His award-winning features and pictures are published in leading German-speaking newspapers

and magazines and were translated into numerous languages. Philipp Hedemann holds a master degree in Political Sciences, Sociology and German Literature and Linguistics.



Hensel, Claudia

Professor for International Marketing at the University of Applied Sciences Mainz, Germany
Profile:

- Research Focus on Strategy & Marketing in Emerging and Underserved Markets, Trend & Innovation, Corporate Social Responsibility & Company Ethics, Change Management
- Extensive work experiences in International Marketing and Marketing Research in an American Blue Chip Company in the European Headquarter, Reigate, UK, Market Responsibilities for Benelux, France, UK
- Industry Insights through supervised Change Management Projects in Executive MBA Programmes in Russia, Romania, Iran, Ethiopia and Germany in Pharmaceutical & Chemical Industry, IT, Banking & Insurances, Public Sector, FMCG and Industrial Products
- Market Insights through research projects and lecturing in China, Argentina, Iran, Russia, Rwanda, Romania and Ethiopia
- Kurt-Dörr Award 2012
- Founder of SEMAY® Association, Vision: "We believe that the world would be a better place if students around the world cared more about others"

Publications:

- Hensel, Claudia (2015): Corporate Social Responsibility (CSR) in Theorie, Praxis und Lehre, in: Update, HS Mainz.
- Hensel, Claudia (2015): CSR (Corporate Social Responsibility), in: Evangelisches Soziallexikon, 9.Auflage, Kohlhammer.
- Hensel, Claudia (2012): SARI – a framework for sustainable learning, conference paper, "TEACHING IS TOUCHING THE FUTURE. EMPHASIS ON SKILLS", JOHANNES GUTENBERG-UNIVERSITY MAINZ, 29.-30.11.2012.
- Hensel, Claudia (2011): Minimismissions in Ethiopia, in: Legrand, Willy / Simons-Kaufman, Claudia / Sloan Philip: Sustainable Hospitality as a Driver for Equitable Development: Case Studies from Developing Regions of the World, Taylor & Francis.
- Hensel, Claudia (2005): Der Einfluss von Erlebnissen auf den Kaufentscheidungsprozess – am besonderen Beispiel der Industriegütermessen, Shaker.



Jordan, Irmgard

Irmgard Jordan studied nutritional sciences and home economics at the Justus-Liebig-University Giessen in Germany. For her graduation she wrote a thesis about the role of indigenous plants for nutrition security. After her studies she looked at the potential roles of energy saving stoves for nutrition security in Africa and nutrition security in Sri Lanka. In 2005, she took over a research study on breast cancer and nutrition in the Kilimanjaro Region of Tanzania, which resulted in a doctoral degree in 2012 linking international nutrition and clinical nutrition. Her present research focuses on studying the impacts of nutrition education and food security activities on the nutritional status of infants and young children and their families in Kenya, Uganda and Malawi.



Klemm, Rolf

Rolf DW Klemm, MPH, DrPH, Vice President of Nutrition, is a nutritional epidemiologist with 30 years of professional experience in international public health nutrition with expertise in the design, evaluation and management of nutrition interventions to improve maternal and child health and survival including dietary interventions, infant and young child feeding strategies, food fortification and micronutrient supplementation. Dr. Klemm has served as Country Director for HKI in the Philippines, Senior Technical Advisor and Technical Director of USAID's flagship A2Z micronutrient project, and maintains his faculty appointment as Senior Associate at the Johns Hopkins Bloomberg School of Public Health. He has published extensively in scientific journals articles, and is principle instructor of the Food and Nutrition Policy course at Hopkins. As VP Nutrition for HKI, he represents the organization at major global scientific meetings and expert groups, and provides scientific and technical leadership to HKI's regional and country offices.



Knierim, Andrea

Andrea Knierim holds the chair for 'rural sociology' at the University of Hohenheim and is a speaker of the unit 'Co-design of change and innovation' at the Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg. Her research focus is on support of voluntary change, knowledge systems and innovation processes in agriculture and rural areas, making use of action and participatory research approaches. She has extensive research experience in Germany and the European Union, e.g. through the coordination of a transdisciplinary research cooperation on adaptation to climate change (www.inka-bb.de) or the coordination of a EU level overview on agricultural knowledge systems and advisory services (www.proakis.eu). Currently she is involved in AgriSpin (www.agrispin.eu) on innovation support services in agriculture and in Smart-AKIS (www.smart-akis.com) with a focus on smart farm technology innovations. Current empirical work and conceptual reflections are centred around the cross-cutting 'multi-actor approach' in these projects which is addressed and analysed as one possible expression of transdisciplinary research.



Knoblauch, Daniel

Daniel Knoblauch is the president of Enactus Aachen e.V.. He studies industrial engineering in his first master semester at the RWTH Aachen university in Aachen. With his team of 90 students from various faculties he is trying to improve the lives of people in need with an economical approach. For one of their projects Samaki, an innovative approach to farm fish in rural Africa, Daniel established a fish farm in Livingstone, Zambia. Currently the team is operating 5 fish farms in Uganda, Benin and Zambia. Daniel was one of the presenters at the Enactus World Cup, where the Enactus Aachen achieved an outstanding 3rd place.



Krawinkel, Michael B.

German citizen, based in Frankfurt/Main, Germany. Professor emeritus of human nutrition with focus on international nutrition, Justus-Liebig-University Giessen. Visiting professor of the universities of Vienna and the Hebrew university of Jerusalem, Rehovot, Israel. Recent publications on breastfeeding, diversity of diets, bioactive components of vegetables, and nutrition education for dietary diversity. (see PubMed)
Ongoing research on baobab-derived foods (BAOFOODS), modelling agriculture interventions for nutrition outcomes (IMMANA), contribution of a more diverse farming to diverse diets and nutrition security (HealthyLAND), and nutrition of women in the garment industry of Cambodia (LUPROGAR).
(www.uni-giessen.de/faculties/f09/institutes/int-nutrition?set_language=en)



Kraemer, Klaus

Dr. Kraemer is the Managing Director of Sight and Life Foundation (www.sightandlife.org), a nutrition think tank headquartered in Switzerland receiving its funding primarily from DSM, and Adjunct Associate Professor in the Department of International Health of Johns Hopkins Bloomberg School of Public Health, Baltimore, USA. Sight and Life envisions a world free from malnutrition. We focus on implementation research and leadership development to empower organizations and individuals to deliver smart solutions. We believe that through understanding context we can co-create tailored innovations. As Managing Director, Dr. Kraemer provides the leadership, vision, and direction (at all levels), guides a small but efficient global team, interacts with funders and partners from all sectors, and serves as its key spokesperson both internally and externally. Sight and Life also firmly believes in capacity and the transformative leadership development of individuals, research groups, and organizations and, as such, offers a range of grants and supports initiatives, such as the African Nutrition Leadership Programme, which advances transformational leadership development on the African continent. Sight and Life hosts the secretariat of the newly established Society for Implementation Science in Nutrition (SISN).

Dr. Kraemer is the editor of Sight and Life magazine, one of the most widely read scientific magazines on food, nutrition and health in the developing world. He serves several professional societies dedicated to nutrition, vitamins, and antioxidants, is a reviewer for a number of scientific journals, has published 130 scientific articles, reviews, and book chapters, has co-edited 11 books, coordinated 4 special supplements and is co-inventor of more than 20 patents.



Mogge, Mathias

Mathias Mogge has been Welthungerhilfe's Executive Director Programmes since March 2010. The agricultural engineer and environmental scientist has been working for Welthungerhilfe for a total of 18 years. Prior to his position as Executive Director Programmes he served as Acting Director of the Programmes and Projects Department.

He has held various positions within Welthungerhilfe's Programmes and Projects Department. Between 1998 and 2001 he worked on the Regional Desk East Africa and was in charge of the programmes in Ethiopia, Uganda and Sudan. In 2001 he went to Bamako, Mali, as Regional Director for West Africa and was responsible for the Regional Programme there until 2005. He then returned to Bonn and headed the Knowledge-Innovation-Consultancy Unit in the Programmes Department that deals with conceptual issues of overseas programmes and with the internal knowledge management process.

Before joining Welthungerhilfe he worked as a development worker with the German Development Service in Sudan and completed a master's degree in Norwich, Great Britain.

In an honorary capacity he acts as a member of the executive committee of VENRO (Verband Entwicklungspolitik und Humanitäre Hilfe deutscher Nichtregierungsorganisationen e.V./ umbrella organisation of development non-governmental organisations (NGOs) in Germany), also as a member of an expert team of the Advisory Service on Agricultural Research for Development of the GIZ.



Nohr, Donatus

Donatus Nohr is a scientist at the Institute of Biological Chemistry and Nutrition at the University of Hohenheim since 2001. He works on the influence of high doses of vitamin C on various cancer cell lines. Since 2013 he is PI inside the BMBF-funded, multicentral project BiomassWeb. Partners from Hohenheim, Bonn, Ghana, Nigeria and Ethiopia investigate opportunities to install networks for the improvement of overall usage of biomass. His work package analyses the (micro-) nutritional status of people in several regions of Ghana as well as the micronutrient content of local (processed) food samples to develop a country specific version of CIMI, a PC-based program to easily detect micronutrient deficiencies. A special focus lies in the optimal detection of carotenoids in several staple foods, to finally give people recommendations to improve their micronutrient status with alternative local food.



Oenema, Stineke

Stineke Oenema, is nutritionist (Wageningen University, 1993) and agricultural economist (London University, 2005). She has worked several years for FAO and UNICEF, after which she worked for considerable time with civil society (ICCO, Netherlands) where she was in charge of food and nutrition security policy and programme development. During this period she contributed to the Right to Food and Nutrition Watch as member of the editorial board; She chaired the European Food Security Group and; She was part of the Coordinating Committee of the Civil Society Mechanism for the CFS, facilitating participation of Western European CSO's as well as the nutrition-working group of the CSM. In the Netherlands she has been chair of the Netherlands Working Group on Nutrition, a working group of NGO's, private sector actors and knowledge institutes. Early 2014 she became member of the Independent Expert group for the development of the Global Nutrition Report. In 2015 she worked at Wageningen University, the Centre for Development Innovation as nutrition expert. Since January 2016 she is coordinator of the United Nations System Standing Committee on Nutrition (UNSCN).



Qaim, Matin

Matin Qaim is Professor of International Food Economics and Rural Development at the University of Goettingen. Before, he was Professor at the University of Hohenheim in Stuttgart, Research Team Leader at the Center for Development Research in Bonn, and Research Fellow at the University of California at Berkeley. Qaim holds a doctoral degree in agricultural economics from the University of Bonn. He has extensive research experience related to the economics hunger and malnutrition with a special focus on rural areas in developing countries. He has implemented numerous studies on impacts of agricultural technologies and institutional innovations in the small farm sector. Qaim is member of several scientific and policy advisory committees.



Rosenberg, Irwin H.

Doctor Irwin Rosenberg is University Professor of Nutrition and Medicine at Tufts University's USDA Human Nutrition Research Center on Aging (HNRCA) and the Friedman School of Nutritional Science and Policy. He was born and educated through college in Madison, Wisconsin and received his M.D. at Harvard Medical School with sub-specialty training in Internal Medicine Gastroenterology and Nutrition at the Massachusetts General Hospital and the Harvard Thorndike Memorial laboratory and at the National Institutes of Health (NIH). After serving as chair of Gastroenterology and Nutrition at the University of Chicago, Dr. Rosenberg was appointed Director of the Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts and then Dean of the Friedman School of Nutrition Science and Policy. In the 1970's he was one of the investigators who described Tropical Enteropathy (now Environmental Enteric Dysfunction, EED) in South Asia. His other research interests include the impact of diet and nutrition on aging brain functions with special reference to the vitamins Folic acid and B 12, as well as the regulation of homocysteine metabolism and maintenance of cerebrovascular integrity. Dr. Rosenberg was elected to the Institute of Medicine of the National Academy of Sciences and served as chair of its Food and Nutrition Board. He is the current editor of the Food and Nutrition Bulletin and former editor of the Nutrition Reviews.



Sarangi, Debeet

Debeet Sarangi is the Managing Trustee of Living Farms, a NGO in Odisha, India. He has been working with indigenous communities since 1991. Living Farms has been involved in mobilising communities in 2500 villages covering a population of more than 700,000 to reclaim their local food system. Living Farms supports communities to partner with institutional scientists and universities on collaborative research to evolve locally appropriate solutions to address malnutrition. Living Farms has been involved in understanding how forests are an important source of nutrition.

Debeet is a Sustainability Fellow at University of California, Irvine and was appointed Transform Nutrition Champion in 2016. He has studied Economics, Sociology, and Governance Reforms and trained in Sustainable Agriculture, Permaculture, and Linking Agriculture, Natural Resource and Nutrition (LANN).



Sarma, Haribondhu

Mr. Haribondhu Sarma is a public health researcher with a Master degree in Anthropology. For the last 15 years he has been working in public health program, mostly in the field of nutrition, vaccination, health systems and HIV/AIDS. Mr. Sarma is experienced in implementing innovative mixed method evaluation and implementation researches, knowledge translation, and health systems analysis. Mr. Sarma has led about 12 research projects, conducted several large-scale evaluation studies, operations researches and published more than 35 papers including peer reviewed journal articles, book chapters and working papers. Currently, Mr. Sarma is leading Nutrition Program Evaluation Unit of the Nutrition and Clinical Services Division at icddr,b and as a Principle Investigator, he is implementing 6 research projects on child nutrition, including on home fortification of micronutrient powder. Additionally, Mr. Sarma has worked as a member of the technical committee for the Institute of Public Health Nutrition for developing nutrition indicators for routine HMIS. His areas of research interests are on Social determinants of malnutrition, Micronutrient home fortification, Mixed-methods research, Participatory M&E, and Operations Research.



Sauerborn, Rainer

Prof. Rainer Sauerborn was the lead author of the health chapter of the recent assessment report of the IPCC (Inter-Governmental Panel on Climate Change). He served as an advisor to the German Federal Government on "Global Environmental Changes" from 2000-2004. He was Guest Professor of Climate Change and Global Health in Umeå, Sweden and is Visiting Chair for Climate Change at the Centre Virchow-Villermé for Public Health Paris-Berlin, at Université Sorbonne Paris Cité. He has taught the topic in multiple formats to various audiences, from academics to policy-makers to the general public. He worked as a Médecin-Chef du District de Santé de Nouna, Burkina Faso, from 1989 to 1982. He trained as a paediatrician at the Medical School of Heidelberg University, after which he earned a doctorate in Public Health from Harvard University. As a coordinator of the Health Office of the Harvard Institute for International Development (1992-6), he learned to apply an inter-sectoral wide-angle view at development.

From 1997 to 2016, he held the Chair of Public Health at Heidelberg University. He has a long-standing track record of service and research in Africa and Asia on health systems with a particular focus on climate change and health.



Scherbaum, Veronika

Veronika Scherbaum is a Senior Researcher at the Institute of Biological Chemistry and Nutrition, and at the Food Security Center of the University of Hohenheim. As a diploma graduate in Nutritional Science she earned her MSc in Mother and Child Health at the University of London. In addition, she completed her PhD study program and her German Habilitation degree (PD) at the Faculty of Natural Science. From 2008 to 2014 she worked as a senior researcher at the Institute for Social Sciences in Agriculture.

Dr. Scherbaum was involved in nutrition consultancies in the emergency context in several Asian and African countries. She has published on nutrition during pregnancy, breastfeeding, complementary feeding, micronutrient deficiencies and treatment approaches to childhood malnutrition. She also edited a German-language textbook on breastfeeding, nutrition in early

childhood and reproductive health. Her current research focuses on strategies to prevent/treat milder forms of iron deficiency anemia with best combinations of locally grown foods, development of improved recipes for prevention of maternal and child malnutrition, as well as the potential role of nutrition on prevention of non-communicable diseases in developing countries.



Schneider, Sarah

Sarah Schneider is working as Advocacy Officer on food and agriculture for the German NGO MISEREOR, with a special focus on agroecology and nutrition. She looks at the structural causes of hunger and malnutrition and promotes holistic approaches to create healthy and sustainable food systems, in collaboration with NGOs in the global South. Before joining MISEREOR, she has worked at the FAO Regional Office for Latin America and the Caribbean, supporting the International Year for Family Farming and accompanying studies on short supply chains and public procurement. Sarah studied International Development at the University of Vienna and wrote her thesis about urban agriculture and political reforms in Cuba. She has work and research experience in Peru, Cuba and Chile.



Schroth, Marisa

Marisa Schroth studied nutrition (B.Sc.) and organic agriculture (M.Sc.) at the University of Hohenheim. She works now for an organic certification company. Since 2010 she's a member of Govinda e.V..

During her studies she spent five months volunteering in the projects of the NGO in Nepal. Her main task was to analyze the nutrient uptake of the orphans. Based on the results she developed recommendations. Amendments of the food plan were made together with the kitchen team.

She is now monitoring and consulting the SDA teams in agriculture and nutrition issues. In December 2016, she was honored with the German Engagement Award.



Smuts, Marius

He obtained his PhD in Biochemistry from the University of Stellenbosch, South Africa, in 1996 and is currently a Professor in Nutrition at the Centre for Excellence in Nutrition, North-West University, Potchefstroom. Previously he worked at the SA Medical Research Council for more than 22 years. His interest in omega-3 fatty acids extends over a period of 30 years and includes work on plasma and erythrocyte membrane fatty acid profiles in very low birth weight (VLBW) infants on different parental nutrition regimes; the effect of omega-3 (DHA) essential fatty acid supplementation on maternal outcomes (post-doctoral work under the supervision of Dr. Susan Carlson); the effect of using omega-3-containing products in school feeding schemes and cognition; the interactions between omega-3 fatty acids and micronutrients in cognitive development and behavior, as well as investigating the effect of lipid based nutrition on infant development. He has published more than 90 refereed papers as first and co-author and is currently Board Member of the International Society for the Study of Fatty Acids and Lipids (ISSFAL).



Solomons, Noel W.

Noel W. Solomons is the co-founder and scientific director of the Center for Studies, Sensory Impairment, Aging and Metabolism (CeSSIAM) in Guatemala City, founded in 1985. He was born and educated around Boston, Massachusetts, attending Harvard College with an A.B. degree in biochemical sciences (1966) and Harvard Medical School with an M.D. (1970). He trained in internal medicine and gastroenterology and clinical nutrition at the Universities of Pennsylvania and Chicago, respectively. He became an Affiliated Investigator at the Institute of Nutrition of Central America and Panama (INCAP) in 1975, and has maintained a continuous home base in Guatemala since that date. He commuted to the Massachusetts Institute of Technology as an Assistant and Associate Professor in Clinical Nutrition from 1977 to 1984, while retaining the INCAP affiliation. Since founding CeSSIAM in 1985, he has performed dietary, nutritional status or metabolic research with most of the vitamins and essential minerals and trace elements across a lifespan perspective from lactation biology to later life.

Biomarkers of nutritional status, dietary bioavailability and effects of deficiency and excess have been his focus across the micronutrients and with respect to zinc and iron, in particular. He has collaborated or taught in universities in the USA, Mexico, Peru, Brazil and Indonesia, and currently holds adjunct professorships at Tufts and Boston Universities in Boston. Among his honors are membership in the Guatemalan Academy of Medical, Physical and Natural Sciences, the 1997 International Nutrition Prize at the International Congress on Nutrition and the 2010 Medal of Science and Technology from the Congress of Guatemala. Dr. Solomons is the author of 340 publications indexed on Medline, along with books, book chapters, editorials and commentaries, and international, review and original papers totaling to over 600 total contributions to the literature.



Soni, Ravinder K.

Dr. Ravinder Kumar Soni is working as Professor in the Department of Community Medicine, Dayanand Medical College and Hospital, Ludhiana, India with his 29 years of experience in academics and research. He has received MAMS award for excellent contribution towards Medical research from National Academy of Medical Sciences, FSMS for enhancing the skills and research in Statistics by Indian Society for Medical Statistics and Health care excellence award for Best Teacher by The Indus Foundation USA and India. He has 62 research publications in various National and International journals. He has attended 29 National and 16 International Conferences in India and different countries. He has done WHO course on Health System Research and National course on Educational Science Technology for the Teachers of Health Professional besides other professional courses/trainings on Nutrition research. He has been resource faculty for many workshops/symposia on nutrition research at different parts of the country. He has also done Multidisciplinary Training of Trainers in Child Protection conducted by International Society for Prevention of Child Abuse and Neglect.

He has been the Principal Investigator of the Multicentric Task Force Study on Consumption Pattern of Carbonated Soft Drinks of Indian Population at Different times of the year. He is Life member of various scientific bodies like International Epidemiological Association, Nutrition Society of India, Indian Association of Preventive & Social Medicine, Indian Science Congress, Indian Maternal and Child Health Association and Indian Society of Medical Statistics. He has been the Independent Monitor on behalf of WHO for various NID & SNID rounds of Pulse Polio Immunization in India for more than 10 years.



Sonntag, Andrea

Andrea Sonntag is Senior Advisor for Nutrition Policy at Welthungerhilfe. In this capacity she coordinates the Global Hunger Index for Welthungerhilfe, which is published annually by the International Food Policy Research Institute (IFPRI), Concern Worldwide and Welthungerhilfe.

Before joining the Policy and External Relations Department of Welthungerhilfe, Andrea worked in the Program Department for eight years, including as Program Coordinator in Welthungerhilfe's Regional Office for South America in Peru.

Before joining Welthungerhilfe, she has worked with the German Development Service (DED). Andrea has a Master's degree in Social anthropology and in Mediation and Conflict Management.



Tounaba Boukary, Belem

Dr. Belem Tounaba Boukary MD, MPH is health and nutrition coordinator of ProgettoMondo Mlal in Burkina Faso, West Africa. He holds a Doctorate degree in medicine of Ouagadougou University, a Master Degree in Public Health at Aix Marseille University and a University Degree in epidemiology and statistics methods at Bordeaux University. Regarding his last ten years experience, he worked mainly on access to primary health and nutrition services, including implementing and monitoring community health and nutrition programs in rural area, strengthening community participation to health services, involving stakeholders into health and nutrition projects implementation at local and intermediary levels of health system, contributing to policy development and evaluation in the field of community health. He is also interested particularly in development, testing and evaluation of effective integrated approaches of community involvement in health & nutrition programs including management of acute malnutrition and promotion of infant and young child nutrition good practises in African rural area.



Valente, Flavio

Flavio Luiz Schieck Valente has been since January 2016 a Senior Advisor to FIAN International Secretariat. From 2007 to 2015, he was the Secretary General of FIAN International, working out of Heidelberg. Flavio Valente is a physician, with a MPH from Harvard School of Public Health. Flavio was, from 2002 to 2007, the National Rapporteur on the Human Rights to Adequate Food, Water and rural Land, in Brazil, for the National Economic, Social, and Cultural Human Rights Platform. Previously, Flavio Valente was Nutrition and Public Health Professor at the Federal University of Bahia (1979-1982) and at the Federal University of Santa Catarina (1983-1995). He was also the advisor of the President of the Brazilian National Food Security Council (CONSEA/1992-1994). He recently edited a book, together with Anne Bellows, Stefanie Lemke and María Daniela Nuñez entitled: Gender, Nutrition and the Human Right to Adequate Food, published by Routledge, New York, 2016.



Varshneya, Nivedita

Nivedita Varshneya has been the Country Director of Welthungerhilfe India since 2014 and has been working with Welthungerhilfe since 10 years in different positions. Prior to Welthungerhilfe, she has worked with national level NGOs, CSRs and the Ministry of Rural Development in India on issues related to food security and sovereignty, sustainable agriculture, forestry and natural resource management, strengthening civil society and improved governance. Nivedita has a master's degree in forest management and has received awards for studies abroad, including Wageningen University. Currently, she is a member of several professional societies and networks in India.



von Braun, Joachim

Joachim von Braun is Director of the Center for Development Research (ZEF), Bonn University, and Professor for economic and technological change. von Braun's main research interests are in economic development and policy, food and nutrition security, public health, science and technology policy and sustainability. He is Chair of the Bioeconomy Council of the German Government, Vice Chair of the Board of the Global Alliance for improved Nutrition (GAIN), and serves on boards of publishers of journals, including 'Science Advances'. He is Vice-President of the NGO "Welthungerhilfe", member of the German national Academy of Science and Engineering (acatech), the Academy of North-Rhine Westphalia, and the Pontifical Academy of Sciences of the Vatican. He is Fellow of the American Association for the Advancement of Sciences, and was President of the International Association of Agricultural Economists (IAAE). He was Director General of the International Food Policy Research Institute (IFPRI) based in Washington, DC, U.S.A. from 2002 to 2009.

His awards include the Justus von Liebig Prize for World Nutrition 2011, the Bertebos Prize by the Royal Swedish Academy of Agriculture and Forestry "for outstanding work in development economics and on food, agriculture, and rural poverty" 2009; and a honorary doctoral degree in Agricultural Economics from the University of Stuttgart-Hohenheim, Germany 2005.



von Grebmer, Klaus

Klaus von Grebmer is a Research Fellow emeritus in the International Food Policy Research Institute's Director General's Office. He was Director of IFPRI's Communications Division from 1999-2011. In 1998 he joined the World Bank within its Staff Exchange Program and was a principal operations officer in rural development. Before that, Klaus worked for 26 years in the private sector as a business consultant, health economist, and senior manager in communications and issues management. In 1998 he joined the World Bank within its Staff Exchange Program and was a principal operations officer in rural development. He has managed the publication of the Global Hunger Index since 2005. Klaus is an economist and his main interests are to improve communicating complex scientific issues to general audiences.



Warning, Claudia

Prof. Dr. Claudia Warning has been a member of the board of the Protestant Agency for Diakonie and Development based in Berlin since its founding as a result of the merger between EED (Church Development Service) and "Diakonisches Werk der EKD" (Social Welfare Organisation of the Protestant Church in Germany) in summer 2012. Already since 2005 she had been a board member of EED. In Bread for the World – Protestant Development Service, being part of the Protestant Agency for Diakonie and Development, she heads the International and Domestic Programmes, which promote more than 2000 development projects in about 100 countries worldwide. She is responsible for the units Development Education Support; Scholarships; and Ecumenical Partnership, Inter-Church Aid and Europe.

As of November 2014 she is also the chairperson of the board of the Ecumenical Study Institute (Ökumenisches Studienwerk) in Bochum which was founded in 1972 by the Evangelical Churches in Germany and belongs to the Protestant Agency for Diakonie and Development. Since December 2014 she is a board member of the Bread for the World Foundation (Stiftung Brot für die Welt). In February 2009 she has been appointed member of the board of trustees of the German Development Institute (Deutsches Institut für Entwicklungspolitik). Beyond that she holds a range of board positions in different associations and foundations.

Prof. Dr. Warning studied in Bonn and Pune (India), where she earned a Ph.D in Geography. In July 2012 Prof. Dr. Warning was appointed Honorary Professor at the International Centre for Sustainable Development (IZNE) of the Bonn-Rhein-Sieg University of Applied Sciences. Prof. Dr. Claudia Warning has varied experience in the field of development cooperation in different governmental and non-governmental institutions, such as the Karl Kübel Foundation for Children and Families, where she was a board member from 1999 until 2005; the German Foundation for International Development (DSE, now GIZ); the German Commission Justice and Peace / Deutsche Kommission Justitia et Pax; as well as the Federal Ministry of Transport, Building and Urban Affairs (BMVBS), where she was in charge of bi- and multilateral co-operation in the field of urban development. Prof. Dr. Claudia Warning was appointed chairperson of the Association of German Development Non-Governmental Organisations (VENRO) from 2005 to 2009, after being vice chair of the VENRO board for four years. VENRO represents more than 100 German Non-Governmental Organisations working in the field of development co-operation. Until May 2011 she was also vice chair of the Association of World Council of Churches related Development Organisations in Europe (APRODEV), located in Brussels. Prof. Dr. Claudia Warning has published various articles on development politics, inter

alia about the issue of participative urban development, environment and natural resource management, and microfinance.



Weiskopf, Beate

Beate Weiskopf is an agricultural scientist and has worked for GIZ in the fields of rural development in Germany and abroad since 1990. Since February 2014, she is executive secretary of the administrative office of the German Initiative on Sustainable Cocoa (GISCO). Beate Weiskopf conducted projects in West Africa as well as Latin America for GIZ. In both, Ecuador (2002-2008) and in Nicaragua (2008-2013), one of her responsibilities was to strengthen the cocoa value chains. Working in close cooperation with the private sector constituted an important part of her work in both countries. Within her career Ms. Weiskopf also worked for the FAO and the Federal Ministry for Economic Cooperation and Development (BMZ), here strengthening the international research in agriculture was one of her work fields. The German Initiative on Sustainable Cocoa (GISCO) is an alliance of the German Federal Government, the German confectionary industry, the German retail grocery trade and civil society. It serves as an intermediate between actors from Germany and cocoa producing countries as well as global initiatives and has more than 70 members. GISCO's objectives are to improve the living conditions of cocoa farmers and their families, to conserve and protect natural resources and biodiversity in cocoa producing countries as well as to increase the cultivation and commercialization of sustainably produced cocoa. Together with the governments of Côte d'Ivoire and Germany, GISCO supports the project PRO-PLANTEURS, of which one focal element is to improve the nutrition of cocoa farmers and their families.



West, Keith P.

Keith P. West, Jr., Dr.P.H., R.D. is the George G. Graham Professor of Infant and Child Nutrition and Director of the Program and Center for Human Nutrition within the Department of International Health at The Johns Hopkins Bloomberg School of Public Health in

Baltimore, Maryland. He is a Registered Dietitian and earned his Master's and Doctoral Degrees in Public Health at the Johns Hopkins University. Dr. West has worked in international nutrition for 40 years, conducting field trials and epidemiological studies to prevent vitamin A and other micronutrient deficiencies and their health consequences in children and women. He has worked extensively in Bangladesh, Nepal, and Indonesia. Professor West has over 190 scientific publications and was the 2007 recipient of the American Society of Nutrition's International Nutrition Prize. At the School of Public Health, he mentors doctoral and masters' students, teaches courses in International Nutrition and Food and Nutrition Policy.



Winkler, Jack

Professor of Nutrition Policy, London Metropolitan University, to 2010. Specialist researcher, policy analyst, writer, lecturer and consumer advocate on food, nutrition, and health. Director, Nutrition Policy Unit, an independent consultancy to improve public health through dietary change, working primarily with public interest organisations. Founder/officer/member of most UK food advocacy groups, including Action on Sugars, Sustain, Consensus Action on Salt and Health, London Food Commission, National Food Alliance, Coronary Prevention Group, Joint Health Claims Initiative. For 13 years, Chair of Action & Information on Sugars. Trained as sociologist at the London School of Economics and Stanford University. Academic posts at the University of Kent, Imperial College London, Cranfield University, and King's Fund Institute, working on a wide variety of economic and social policy issues.

Selected recent publications: (omega-3s and nutrition policy generally)

"Where Will Future LC-Omega-3 Come From?", in DeMeester, Watson, Zibadi (Eds), Sustainable LC-Omega-3 for a Better World, Springer, 2013

"Bio-fortification: Improving the Nutritional Quality of Staple Crops", in Pasternak (Ed), Access not Excess, London, 2011

„Action Options on Omega-3s: Recommendations, Sources, Policies“, Nutrition & Health, Vol 18, pp 343-53, 2007

"Nutritional Reformulation: The Unobtrusive Strategy", Food Science & Technology, 2014

"Obscurity on Obesity", BMC Medicine, 2014

"Making the Healthy Choice the Cheaper Choice", The Grocer, 2013

"Brutal Pragmatism on Food", British Medical Journal, 2013



Wulfmeyer, Volker

Prior to his current affiliation, Professor Wulfmeyer worked for the United States National Center for Atmospheric Research, the National Oceanic and Atmospheric Administration, and the Max Planck Institute for Meteorology of Hamburg. He was a member of the Scientific Advisory Council of the German Meteorological Service and currently participates in working groups of the World Weather Research Programme (WWRP) and the World Climate Research Programme (WCRP) of the World Meteorological Organisation (WMO). He is the first member of the University of Hohenheim in the Heidelberg Academy of Sciences and Humanities. His research areas cover high-resolution weather forecasting and regional climate simulations, land-atmosphere interaction, atmospheric boundary layer turbulence and transport, initiation of deep convection, quantitative precipitation forecasting and 3D active remote sensing. Volker Wulfmeyer recently received a Visiting Fellows Award from the Cooperative Institute for Research in Environmental Sciences (CIRES) in Boulder, United States, and is Awardee of the First Cycle of the United Arab Emirates Research Program for Rain Enhancement Science.



Source: Wolfgang Reutner, Laos



Source: Anne and Rolf Bucher, West Bengal, India



Source: Justfilms, Welthungerhilfe

LIST OF MAIN SPEAKERS, PANELISTS AND CHAIRS (WITHOUT ACADEMIC TITLES)

Ahmed, Tahmeed

International Centre for Diarrheal Disease
Research and BRAC University,
Bangladesh

Allen, Lindsay H.

University of California,
USA

Amoroso, Leslie

Food and Agriculture Organization
of the United Nations (FAO),
Italy

Armbruster, Paul

Germany

Arndt, Channing

International Food Policy Research
Institute (IFPRI),
USA

Baker, Shawn

Bill & Melinda Gates Foundation,
USA

Biesalski, Hans K.

University of Hohenheim,
Institute of Biological Chemistry
and Nutrition,
Germany

Black, Robert E.

Johns Hopkins University,
Bloomberg School of Public Health,
USA

Bouis, Howarth

HarvestPlus / International Food Policy
Research Institute (IFPRI),
USA

Bucher, Rolf

Germany

Callenius, Carolin

University of Hohenheim,
Hohenheim Research Center for Global
Food Security and Ecosystems (GFE),
Germany

Cashman, Kevin D.

School of Food & Nutritional Sciences,
University College Cork,
Ireland

Deetjen, Stella

Back to Life e.V.,
Germany

Eiden, Hanns-Christoph

Federal Office for Agriculture and Food (BLE),
Germany

Frank, Jan

University of Hohenheim, Institute of
Biological Chemistry and Nutrition;
Society of Nutrition and Food Science
(SNFS),
Germany

Fricke, W. Florian

University of Hohenheim, Institute of
Biological Chemistry and Nutrition,
Germany

Gabrysch, Sabine

University of Heidelberg,
Germany

Ghosh, Shibani

Tufts University, Friedman School of
Nutrition Science and Policy,
Nevin Scrimshaw International Nutrition
Foundation (INF),
USA

Golembiewski, Monika

Shining eyes e.V.,
Germany / India

Grimmelt, Detlev

Fairtrade Germany,
Germany

Gurinović, Mirjana

University of Belgrade,
Serbia

Haddad, Lawrence

Global Alliance for Improved Nutrition
(GAIN),
Switzerland

Hedemann, Philipp

Germany

Hensel, Claudia

University of Mainz,
Germany

Jordan, Irmgard

Justus-Liebig-University Giessen,
Germany

Klemm, Rolf

Helen Keller International (HKI),
USA

Knierim, Andrea

University of Hohenheim,
Institute of Social Sciences in Agriculture,
Germany

Knoblauch, Daniel

Enactus Aachen e.V.,
Germany

Krawinkel, Michael B.

Justus-Liebig-University Giessen,
Institute of Nutritional Science,
Germany

Kraemer, Klaus

Sight and Life Foundation,
Switzerland

Lewandowski, Iris (Opening)

Vice President for Academic Affairs of the
University of Hohenheim,
Germany

Mogge, Mathias

Deutsche Welthungerhilfe e.V.,
Germany

Nohr, Donatus

University of Hohenheim, Institute of
Biological Chemistry and Nutrition,
Germany

Oenema, Stineke

United Nations System Standing Committee
on Nutrition (UNSCN),
Italy

Ouattara, Dominique S.E. Mme

(Honorary lecture)
First Lady of the République de Côte
d'Ivoire, Founder and President of the
Foundation "Children of Africa"
Côte d'Ivoire

Qaim, Matin

Georg-August-University of Göttingen,
Germany

Rosenberg, Irwin H.

Tufts University, Friedman School of
Nutrition Science and Policy,
USA

Sarangi, Debjeet

Living Farms,
India

Sarma, Haribondhu

International Centre for Diarrheal Disease
Research,
Bangladesh

Sauerborn, Rainer

University of Heidelberg,
Germany

Scherbaum, Veronika

University of Hohenheim, Institute
of Biological Chemistry and Nutrition,
Food Security Center (FSC),
Germany

Schneider, Sarah

Bischöfliches Hilfswerk MISEREOR e.V.,
Germany

Schroth, Marisa

Govinda Entwicklungshilfe e.V.,
Germany / Nepal

Silberhorn, Thomas (Official opening)

Parliamentary State Secretary of the
German Federal Ministry for Economic
Cooperation and Development (BMZ),
Germany

Smuts, Marius

North-West University,
Centre for Excellence in Nutrition (CEN),
South Africa

Solomons, Noel W.

Center for Studies of Sensory Impairment,
Aging and Metabolism (CeSSIAM),
Guatemala

Soni, Ravinder K.

Dayanand Medical College & Hospital
Ludhiana,
India

Sonntag, Andrea

Deutsche Welthungerhilfe e.V.,
Germany

Tounaba Boukary, Belem

ProgettoMondo Mlal,
Burkina Faso

Valente, Flavio

FIAN international,
Germany

Varshneya, Nivedita

Welthungerhilfe
India

von Braun, Joachim

Center for Development Research (Zentrum
für Entwicklungsforschung, ZEF),
Germany

von Grebmer, Klaus

International Food Policy Research Institute
(IFPRI),
USA

Wacker, Friedrich

Head of Directorate "International
Cooperation and World Food Affairs"
at the German Federal Ministry of Food and
Agriculture (BMEL),
Germany

Warning, Claudia

Brot für die Welt – Evangelischer
Entwicklungsdienst,
Evangelisches Werk für Diakonie und
Entwicklung e.V.,
Germany

Weiskopf, Beate

German Initiative on Sustainable Cocoa
(GISCO),
Germany

West, Keith P.

Johns Hopkins University,
Bloomberg School of Public Health,
USA

Winkler, Jack

London Metropolitan University,
United Kingdom

Wulfmeyer, Volker

University of Hohenheim,
Institute of Physics and Meteorology,
Germany





LIST OF FREE PRESENTATION SPEAKERS (WITHOUT ACADEMIC TITLES)

Ayogu, Chiebonam J.

University of Nigeria,
Nigeria

Bangura, Allieu S.

World Vision Sierra Leone,
Sierra Leone

Bishnoi, Mahendra

National Agri-Food Biotechnology Institute
(NABI),
India

Butali, Brendah

Global Initiative Uganda (GIU),
Uganda

Dharmpal, Malik

Ministry of Agriculture and Farmers Welfare,
India

El Harchaoui, Imane

Ibn Tofail University,
Morocco

Ferdous, Zannatul

Asian Institute of Technology,
Thailand

Gebreselassie, Samson

Hawassa University,
Ethiopia

Gerber, Nicolas

University of Bonn,
Germany

Kinsey, Bill

CASS Trust,
Zimbabwe

Varghese, Nisha

Indira Gandhi National Open University,
India

Zahrou, Fatima E.

Ibn Tofail University,
Morocco

LIST OF POSTERS AND THEIR PRESENTERS

(IN ALPHABETICAL ORDER OF PRESENTERS AND WITHOUT ACADEMIC TITLES)

Social determinants of adult mortality from Non-Communicable Diseases (NCDs) in Northern Ethiopia, 2009-2015: Evidence from health and demographic surveillance site
Abera, Semaw et al.; University of Hohenheim, Germany

Animal-based food taboos of pregnant, postpartum and breastfeeding women in the ASEAN Region: A review of literature
Alis, Realm et al.; University of Hohenheim, Germany

Contributions of urban agriculture to food security in Enugu urban of Enugu state, Nigeria
Ayogu, Chiebonam J. et al.; University of Nigeria, Nigeria

Physical activity related energy expenditure in children by doubly labeled water as compared with the GT3X+ accelerometer in Morocco
Baddou, Issad et al.; Université Ibn Tofaïl-CNESTEN, Morocco

Newtrition – Preventing micronutrient deficiencies
Blüthner, Andreas et al.; BASF SE, Germany

Assessment of prevalence and risk of type 2 diabetes among rural men and women in Ludhiana, India
Kaur, Karmjeet et al.; Punjab Agricultural University, India

Breastfeeding and complementary feeding practices among children living in rice surplus area, Central Java, Indonesia
Barati, Ziba et al.; University of Hohenheim, Germany

Participatory approach to improve dietary diversity in Vihiga County, Western Kenya
Boedecker, Julia; Bioversity International, Kenya

Engaging community voices to improve food security: Implementation of nutrition educational tools in Dodoma and Morogoro, Tanzania
Bonatti, Michelle et al.; ZALF, Müncheberg, Germany

Nutritional status and associated factors in 6-23 months old pastoralist children in Benna Tsemay Woreda, Southern Ethiopia
Borko, Tafese; Hawassa University, Ethiopia

Increasing food security through natural resilience and coping strategies in rural communities
Butali, Brendah et al.; Global Initiative Uganda (GIU), Uganda

The oral bioavailability of bioactive phytochemicals from a rice bran-enriched porridge in healthy volunteers
Calvo-Castro, Laura A. et al.; University of Hohenheim, Germany

Childhood malnutrition along the urban – rural continuum in selected locales of Ghana and Burkina Faso
Chagomoka, Takemore et al.; World Vegetable Center, Mali

Food taboos among pregnant and lactating women in developing countries
Chareh, Neshat et al.; University of Hohenheim, Germany

Does Ethiopia's productive safety net program improve child nutrition?
Debela, Bethelhem L. et al.; Georg-August-University of Göttingen, Germany

Supermarket purchase contributes to nutrition-related non-communicable diseases in Kenya
Demmler, Kathrin M. et al.; Georg-August-University of Göttingen, Germany

Formulation of Quality Protein Maize (QPM) based nutritionally improved complementary food: The case of Shebedino woreda, Southern Ethiopia
Desalegn, Beruk; Hawassa University, Ethiopia

Accelerating the decline in the burden of iron deficiency anemia in Indian infants and toddlers
Detzel, Patrick et al.; Nestlé Research Center, Switzerland

Welfare impacts of changing food security and food safety – a theory-based impact assessment of biochar as a soil amendment in West African cities. Determining the impact of agricultural innovations on poverty and food security of urban farmers
Dittrich, Nicole; Institute of Development Research and Development Policy (IEE), Germany

Child dietary diversity is associated with maternal dietary diversity and household socioeconomic conditions in South-East Mali

Fanou Fogny, Nadia et al.; University of Abomey-Calavi, Benin

Maternal dietary diversity is associated with socioeconomic determinants but not child dietary diversity in North-West Benin

Fanou Fogny, Nadia et al.; University of Abomey-Calavi, Benin

Child dietary diversity is associated with maternal access to nutrition education service, and household socioeconomic conditions in northwest Benin

Fanou Fogny, Nadia et al.; University of Abomey-Calavi, Benin

Talas Banten (*Xanthosoma undipes* K.Koch), its potentiality for Indonesia's food security

Fetriyuna, Fetriyuna et al.; University of Hohenheim, Germany

Food habits and nutritional status of pregnant and breastfeeding asylum seekers living in accommodations supervised by Caritas in Stuttgart, Germany

Fischer, Laura et al.; University of Hohenheim, Germany

How well do different nutrition assessment tools match? Insights from Kenya

Fongar, Andrea et al.; Georg-August-University of Göttingen, Germany

The effectiveness bundling of zinc with Oral Rehydration Salts (ORS) for improving adherence to acute watery diarrhea treatment in Ethiopia: Cluster randomised controlled trial

Gebreselassie, Samson; Hawassa University, Ethiopia

Predictors of dietary diversity in children 6-23 months of age in largely food insecure area of South Wollo, Ethiopia

Gebreselassie, Samson; Hawassa University, Ethiopia

Vitamin A supplementation and childhood morbidity from diarrhea, fever respiratory infections and anemia in Sub-Saharan Africa: Evidence from 28 demographic and health surveys

Gebreselassie, Samson; Hawassa University, Ethiopia

Chronic vitamin B12 deficiency causes obesity and leads to adverse gestational outcome in female mice

Ghosh, Shampa et al.; National Institute of Nutrition, India



Micronutrient profile of indigenous leafy vegetables from rural areas of Morogoro and Dodoma regions in Tanzania

Gowe, Victoria et al.; Sokoine University of Agriculture, Tanzania

Application of spatial statistics in predicting electrical conductivity of Shahr-e-Kord plain's wells

Hosseini Pozveh, Sayed M.; Isfahan University of Medical Sciences, Iran

Content of tocotrienols, tocopherols and tocomonoenols in palm oils extracted from six varieties of Costarrican palm fruits (*Elaeis sp*) differs with the oil extraction method

Irias Mata, Andrea et al.; University of Hohenheim, Germany

Making agricultural extension nutrition-sensitive: Whom to target within common-interest groups?

Jaeckering, Lisa et al.; Georg-August-University of Göttingen, Germany

Household food insecurity is associated with the double burden of obesity and hidden hunger among mothers in Lebanon: A national cross-sectional study

Jomaa, Lamis et al.; American University of Beirut, Lebanon

Diet adequacy of male Ugandan farmers – a cross-sectional case study in Kapchorwa district

Kamrad, Marie et al.; Christian-Albrechts-University Kiel, Germany

Role of food taboos in energy, macro and micronutrient intake of pregnant women in western Kenya

Kariuki, Lucy et al.; University of Hohenheim, Germany

Effects of sun treatment on the quantities of vitamin D and minerals in oyster mushroom (*Pleurotus ostreatus*) cultivated in Ethiopia

Keflie, Tibebeleslassie et al.; University of Hohenheim, Germany

Selecting superior mother trees of baobab (*Adansonia digitata* L.) with high micro-nutrient contents of their fruit pulp for domestication and cultivation in Kenya and Sudan

Kehlenbeck, Katja et al.; Rhine-Waal University of Applied Sciences, Germany

Food habits and nutritional status of asylum seekers living in accommodations supervised by Caritas in Stuttgart, Germany

Khan, Shazia et al.; University of Hohenheim, Germany

Educational burden of hunger

Khalili, Mojgan et al.; Iran Lawyers' Institute, Iran

Smallholders and sustainable solutions for ensuring food security

Khan, Muhammad A.; University of Agriculture Faisalabad, Pakistan

Does the usage of iron-fortified iodized salt in the Indian school feeding program affect child health and cognitive ability? Evidence from a randomized controlled trial

Krämer, Marion et al.; Georg-August-University of Göttingen, Germany

Addition of vegetables to cereal diets to improve iron, zinc & vitamin A nutritive value during the first 1000 days of life

Kruger, Johanita et al.; University of Hohenheim, Germany

Investigating intergenerational anaemia in indigenous Australians using routine health service data

Leonard, Dymrna et al.; Cairns Institute, James Cook University, Australia

Food security, food safety and promotion of healthy nutrition in Romania

Lotrean, Lucia M.; University of Medicine and Pharmacy, Romania

Magnitude and determinant of child undernutrition in southern Mali

Makamto sobgui, Caroline et al.; World Vegetable Center, Mali

Nutritional and micronutrient status of female workers in a garment factory in Cambodia

Makurat, Jan et al.; Justus-Liebig-University Giessen, Germany

The potential of traditional African green leafy vegetables to address vitamin A deficiency

Malan, Johanita et al.; University of Hohenheim, Germany

Use of iodized salt at household level and related factors in rural disadvantaged communities in Chamwino district of Dodoma Tanzania

Mbwana, Hadijah; Sokoine University of Agriculture, Tanzania

Dietary diversity and household food insecurity: The case of Southern Zambia

Nkomoki, William et al.; Czech University of Life Sciences Prague, Czech Republic

Development of healthy ready-to-serve (RTS) drink from black carrot

Pandey, Pragya et al.; Punjab Agricultural University, India

Development and quality evaluation of value added foxtail millet based vermicelli

Pandey, Pragya et al.; University of Agricultural Sciences, India

The role of ethnicity and location on food habit of Indonesian pregnant and lactating women: a qualitative study

Purwestri, Ratna C. et al.; University of Hohenheim, Germany

Innovative approaches to address micronutrient needs of women of reproductive age – complementary fortification and diet diversification programs in rural areas in Kenya, Tanzania, Ghana and Bangladesh

Reinbott, Anika et al.; Deutsche Gesellschaft fuer internationale Zusammenarbeit (GIZ) GmbH, Germany

Role of breastfeeding and complementary food on hemoglobin and ferritin levels in a Cambodian cross-sectional sample of children aged 3 to 24 months

Reinbott, Anika et al.; Justus-Liebig-University Giessen, Germany

App development for a valid, food group based calculation of nutrient intake in Ethiopia

Riedel, Simon et al.; Food Security Center, University of Hohenheim, Germany

Effects of wild foods and food interventions in reducing the minimum cost of diet using linear programming modelling: A case study of Turkana in Kenya

Sarfo, Jacob et al.; Georg-August-University of Göttingen, Germany

Chuta (edible *Jatropha curcas* L.), the newcomer among underutilized crops: A rich source of vegetable oil and protein for human consumption

Senger, Elisa et al.; JatroSolutions GmbH, Germany

Maternal vitamin B12 deficiency is associated with poor learning & memory and increased oxidative stress in brain of mouse offspring

Sinha, Jitendra K. et al.; Centre for Cellular and Molecular Biology (CSIR-CCMB), India

Development of recipes for supplementary feeding programs for children in West Bengal, India

Stiller, Caroline et al.; University of Hohenheim, Germany

An analysis of farmer's knowledge and perception of crop diversification in Mt Elgon region, Uganda

Twinamasiko, Julius et al.; Makerere University, Uganda

Mineral-rich plant foods have the potential to increase iron and zinc bioavailabilities from an instant cereal-based porridge

van der Merwe, Renee et al.; University of Pretoria, South Africa

Assessment of micronutrient intakes in selected regions of Ghana using CIMI: Ghana

Wald, Julian P. et al.; University Hohenheim, Germany

Traditional Tanzanian leafy vegetables are an important source of provitamin A, vitamin C, folic acid and minerals in a plant based diet

Wald, Julian P. et al.; University Hohenheim, Germany

Understanding the components of hidden hunger in two different marginalized social settlements (urban slum and war-torn border village) in Sri Lanka: As matter of food culture? Or cause of food commercialization?

Weerasekara, Permani C. et al.; University of Kassel, Germany

Improving complementary feeding in rural Bangladesh: An evaluation of local food-based recommendations

Wendt, Amanda et al.; University of Heidelberg, Germany

Prevalence and nutrition related factors of depressive symptoms among pregnant women in rural Ethiopia: Community based birth cohort study

Woldetensay, Yitbarek K. et al.; Tufts University, Ethiopia

Development and validation of a standardized measure to assess food quality to aid in nutrition policy and alleviate hidden hunger

Zidek, Jeremy et al.; Futura Food, LLC, State College, United States of America

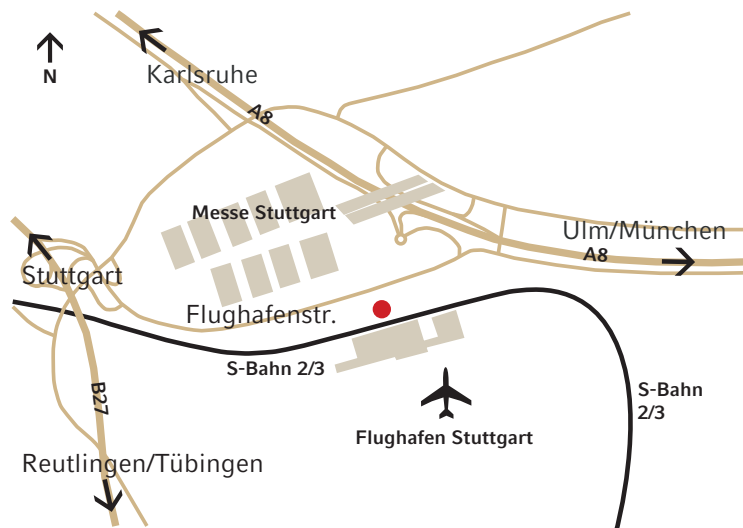
CONGRESS VENUE FROM MARCH 20 UNTIL MARCH 22, 2017

Mövenpick Hotel Stuttgart Airport & Messe
Flughafenstraße 50, D-70629 Stuttgart, Germany
Phone: +49 (0)711 553440, Fax: +49 (0)711 55344 9000
Email: hotel.stuttgart.airport@moevenpick.com
www.moevenpick-hotels.com/stuttgart-airport

(Arrival see pages 82-83)



HOW TO REACH THE CONGRESS VENUE: MÖVENPICK HOTEL STUTTGART AIRPORT & MESSE



Detailansicht

Direction from the Airport:

If you leave the airport via the exit in terminal 3 the Mövenpick Hotel Stuttgart Airport & Messe is located exactly opposite.

Direction by train:

From Stuttgart central station take the Tramline S2 or S3 direction Airport/Flughafen – Exit Airport/Flughafen.

Driving direction from the North:

From Hamburg:

A7 direction Wuerzburg – A3 direction Frankfurt – A81 direction Singen – A8 direction Munich – Exit Airport/Flughafen.

From Berlin: A9 direction Munich – A6 direction Heilbronn – A81 direction Singen – A8 direction Munich – Exit Airport/Flughafen.

Driving direction from the East:

From Munich:

A8 direction Karlsruhe – Exit Airport/Flughafen.

Driving direction from the South:

From Singen:

A81 direction Stuttgart – A8 direction Munich – Exit Airport/Flughafen.

Driving direction from the West:

From Duesseldorf: A61 direction Hockenheim – A6 direction Heilbronn – A81 direction Singen – A8 direction Munich – Exit Airport/Flughafen.

Additional Information:

Since 01.03.2008 there are legal environmental restrictions regarding the car emission in Stuttgart. Please see www.stuttgart.de/feinstaub for detailed information.

Entrance underground parking:

You reach our underground parking lot by using the left entrance of the parking lot P6. The entrance of the hotel underground parking lot is marked with a corresponding sign-post. Please, take into consideration that you enter and leave on the left hand side.

e-mobility:

Make use of our electric charging station in our underground parking garage if you drive an electric car.

VENUE OF THE COME TOGETHER EVENING ON MARCH 20, 2017

University of Hohenheim, Mensa / Canteen
Garbenstrasse 29, D-70593 Stuttgart, Germany
www.uni-hohenheim.de/en/canteen

(Arrival see pages 86-89)



HOW TO REACH THE UNIVERSITY OF HOHENHEIM:
VENUE OF THE COME TOGETHER EVENING (MONDAY, MARCH 20, 2017):
MENSA/CANTEEN



Coming from Stuttgart town centre:

At Charlottenplatz (near the “Schloss” palace) turn from the B14 road (Konrad-Adenauer-Straße) into B27 (Charlottenstraße) and carry straight on. The road will become a dual carriage-way later on. Take exit S-Hohenheim. Follow the signs for S-Plieningen/ S-Hohenheim for some kilometers until you reach S-Plieningen. Turn left towards Hohenheim university. At next opportunity turn right. Follow the street until you reach the car park.

Coming from Karlsruhe/Heilbronn:

Motorway A8, exit Stuttgart-Flughafen/ S-Hohenheim, keep left and follow signs towards S-Hohenheim. In Plieningen turn left towards Universität Hohenheim. When you reach the traffic circle, take the first exit. Follow the street until you reach the car park.

Coming from Munich:

Motorway A8, exit S-Plieningen/ S-Hohenheim, keep right and follow signs towards S-Hohenheim. After approx. 4 km turn left towards Universität Hohenheim. After a sharp bend you will reach the university car park.

Public transportation from Stuttgart rail station:

Take the U7 or U15 underground/ tram line (leaving from lower station level) towards Ostfildern. Exit at station “Ruhbank (Fernsehturm)”, change to bus number 70 towards Plieningen, which stops at Universität Hohenheim.

Or: Take the U5, U6 or U12 underground/ tram line (leaving from lower station level) towards Leinfelden or Fasanenhof to Möhringen. At Möhringen station, change to the U3 towards Plieningen. Exit train at “Plieningen Garbe”. From here, the Universität Hohenheim can be reached on foot or by bus number 65 towards Obertürkheim (stopping at “Universität Hohenheim”).

Taxi from Stuttgart rail station:

Fare approx. 20-25 Euros.
Time: approx. 25 mins.

Public transportation from Stuttgart airport:

Take the bus number 122 towards Esslingen. At “Plieningen Post” change to bus number 70 towards Ruhbank/ Fernsehturm or bus numbers 74/76 towards Degerloch. Exit at “Universität Hohenheim”.

Taxi from Stuttgart airport:

Fare approx. 15 Euros.
Time: approx. 15 mins.

Coming by bicycle:

Universität Hohenheim can be easily reached by bicycle from the surrounding districts. With the help of a route planner, provided by the VVS (public transport) and the “Radinitiative” of the Universität Hohenheim, you can put together individual bicycle routes in combination with public transportation.

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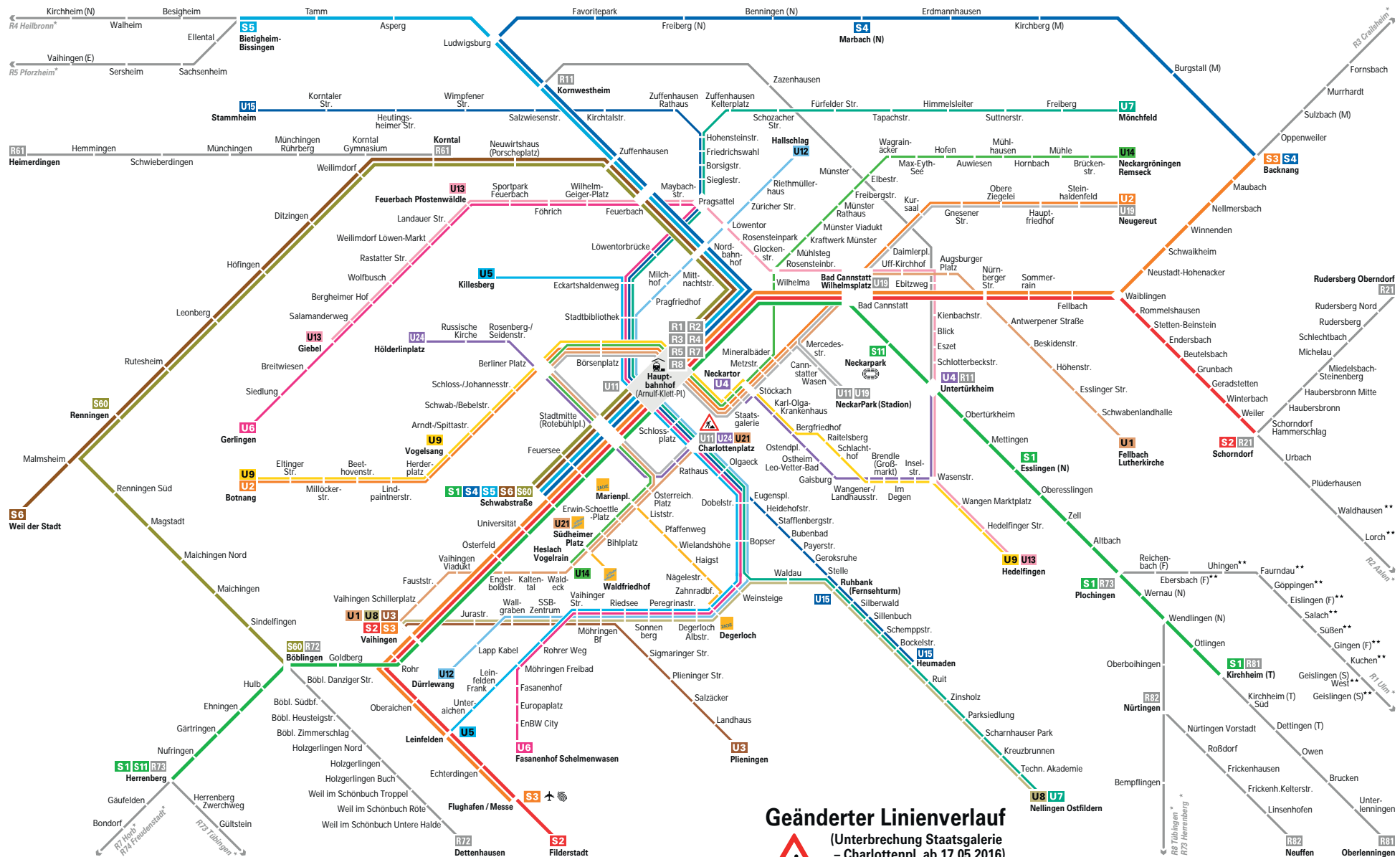


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