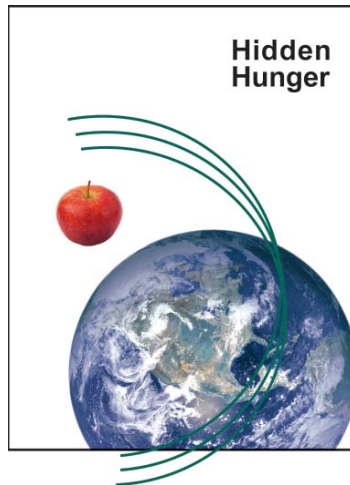




**Institute of  
Biological Chemistry  
and Nutrition**



**International  
Congress**

# **Hidden Hunger**

**From Assessment to Solutions**

**March 6-9, 2013**

**University of Hohenheim  
Stuttgart, Germany**

The International Congress Hidden Hunger is organized by the **Food Security Center (FSC)** and the **Institute of Biological Chemistry and Nutrition** of the University of Hohenheim

#### **Congress Chair**

Prof. Dr. Hans K. Biesalski, Institute of Biological Chemistry and Nutrition, University of Hohenheim.

#### **Congress Secretary**

Prof. Dr. Donatus Nohr, Institute of Biological Chemistry and Nutrition, University of Hohenheim.

#### **Congress Office**

Dr. Claudia Wicke      claudia\_wicke@uni-hohenheim.de  
Dipl. Biol. Jana Tinz    jana.tinz@uni-hohenheim.de  
Institute of Biological Chemistry and Nutrition, University of Hohenheim  
Phone: +49 (0)711 459-22291 or -22283; Fax: -23822  
Email: hiddenhunger@uni-hohenheim.de

Phone number of the congress office at the registration from  
March 6 until March 9, 2013: +49 (0)711 459-23388

#### **Venue**

University of Hohenheim  
Biologiezentrum  
Garbenstrasse 30  
D-70593 Stuttgart Germany

#### **Participant Registration and Exhibition Management**

Kongress- und Kulturmanagement GmbH  
Postfach 3664  
D-99407 Weimar  
<http://www.kukm.de>  
Phone: +49 (0)3643 2468-0; Fax: -31  
Email: [info@kukm.de](mailto:info@kukm.de)

## INTERNATIONAL CONGRESS HIDDEN HUNGER – FROM ASSESSMENT TO SOLUTIONS

**MARCH 6-9, 2013**

**UNIVERSITY OF HOHENHEIM STUTTGART, GERMANY**

#### **Welcome to the International Congress Hidden Hunger!**

The International Congress Hidden Hunger has three objectives:

- 1.) To create awareness of the global problem of Hidden Hunger.
- 2.) To get scientific issues on the agendas of policy makers, academics, politicians and business leaders.
- 3.) To discuss solutions to address worldwide micronutrient deficiencies.

Scientists from different areas, field workers, members of non-governmental organizations (NGOs) and representatives from administration, management and policy have been invited to discuss the topic.

Attention will be given to Africa and Asia as well as North America and Europe. Hidden Hunger is an increasing problem even in developed countries. Its potential negative consequences on long-term health are often overlooked and underestimated worldwide.

The private sector will present data in a specific forum.



Source: Dr. Wolfgang Stütz, Friedrich-Schiller-University Jena

**GREETING MESSAGES 06 – 13**

**PROGRAM 14 – 29**

**POSTER SESSION 30 – 35**

**HIGHLIGHTS AND SIDE EVENTS 36 – 37**

**SPONSORS AND EXHIBITORS 38 – 39**

**KEYNOTE SPEAKERS AND PANELISTS 40 – 67**

**LIST OF MAIN SPEAKERS, PANELISTS AND CHAIRS 68 – 73**

**LIST OF FREE PRESENTATION SPEAKERS 74 – 77**

**LIST OF POSTER PRESENTERS 78 – 81**

**SITE PLAN 82 – 85**

**HOW TO REACH US 86 – 89**

## GREETING MESSAGES



**Ilse Aigner**

Ladies and Gentlemen,

The “Hidden Hunger” congress turns the spotlight on a topic that is all too often overlooked – not just by the global media but also by those responsible for food security.

Vitamin and nutrient deficiency has far-reaching consequences. Those affected are frequently unaware of this deficiency because it manifests itself in many different forms – some of them unspecific – and often with a long time delay. But the results are serious and almost always irreversible, as the thousands of children who go blind every year are painfully aware.

It is not enough to simply fight hunger in isolation. More than anything else, chronic malnutrition is a poverty issue. This is why we need a more decisive and sustainable approach to the fight against poverty.

Agriculture plays a key role in poverty reduction and food security. The majority of hungry and malnourished people live in rural areas. These people are smallholder farmers or landless farm labourers who generate too little income for a sufficient and balanced diet. They need to be strengthened by sustainable improvements in agricultural equipment, cultivation methods and seeds. Agriculture must contribute to the broadening of available foodstuffs and the creation of new income streams. My colleague Dirk Niebel and I are completely in unison on this issue. We need to give particular support to women because in most cases they are responsible for feeding the entire family and – together with their children – they are most frequently affected by malnutrition. On this front, the BMELV is involved in the Scaling Up Nutrition (SUN) initiative which is working to improve the food situation of mothers, pregnant women and young children.

One vital component of comprehensive food security is fair and secure access to natural resources such as land, forests and fishing grounds. My Ministry supports the Committee on World Food Security in drawing up and implementing standards that regulate access to natural resources, thereby contributing towards greater food security for local populations. I would like at this point to emphasise the FAO’s pivotal role in cementing the topic of nutrition as a cross-sectoral task. This multi-sectoral approach has my emphatic support.

Increasingly, however, malnutrition has also become a problem in rich and developed countries. This includes Germany. I have noticed several developments, especially with old people, that give me genuine cause for concern. According to the current Nutrition Report by the German Nutrition Society (DGE), malnutrition is evident in around 13 percent of senior citizens with care needs. A further 57 percent are at risk. This is why – as part of our National Action Plan “IN FORM – German national initiative to promote healthy diets and physical activity” – the DGE has drawn up quality standards for catering services in senior citizen facilities as well as for “Meals on Wheels”. All the parties involved are now called upon to implement these standards. Beyond this, IN FORM provides wide-ranging support to ensure that all age groups receive a balanced diet, thus helping to counteract unhealthy eating habits and malnutrition.

I am confident that this congress will enhance the debate at both the national and international level. On this note, I wish you an informative and stimulating few days.

Sehr geehrte Damen und Herren,

die Konferenz “Hidden Hunger” macht ein Thema sichtbar, das leider viel zu oft übersehen wird: von der Weltöffentlichkeit, aber auch von den für Ernährungssicherung zuständigen Verantwortlichen. Der Mangel an Vitaminen und Nährstoffen hat weitreichende Folgen. Oft wissen die Betroffenen selbst nichts von diesem Mangel, denn er zeigt sich in vielfältiger, teils unspezifischer Form und oft erst mit zeitlicher Verzögerung. Aber die Folgen sind schwer und in aller Regel unumkehrbar, wie es tausende erblindete Kinder jedes Jahr leidvoll erleben.

Nur den Hunger zu bekämpfen, reicht nicht. Chronische Mangelernährung ist vor allem ein Armutsproblem. Wir müssen deshalb die Armutsbekämpfung entschiedener und nachhaltiger angehen. Der Landwirtschaft kommt bei der Armutsbekämpfung und der Ernährungssicherung eine Schlüsselrolle zu. Die meisten hungernden und mangelernährten Menschen leben auf dem Land. Es sind Kleinbauern oder landlose Landarbeiter, die nicht genug für eine ausreichende und ausgewogene Ernährung erwirtschaften. Sie gilt es zu stärken durch eine nachhaltige Verbesserung der Agrartechnik, Anbaumethoden und des Saatguts. Die Landwirtschaft muss dazu beitragen, das Nahrungsmittelangebot zu verbreitern und Einkommensmöglichkeiten zu schaffen. Mein Kollege Dirk Niebel und ich ziehen hier gemeinsam an einem Strang. Besonders die Frauen müssen wir fördern, denn sie sind zumeist für die Ernährung der ganzen Familie verantwortlich und dabei mit ihren Kindern selbst am häufigsten von Mangelernährung betroffen. Das BMELV engagiert sich deshalb bei der Initiative Scaling up Nutrition (SUN), die die Ernährungssituation von Müttern, Schwangeren und Kleinkindern verbessern will.

Ganz wesentlich für eine umfassende Ernährungssicherung ist der gerechte und sichere Zugang zu natürlichen Ressourcen wie Land, Wald oder Fischgründen. Mein Ministerium unterstützt den Welternährungsausschuss bei der Erarbeitung und Umsetzung von Standards, die den Zugang zu natürlichen Ressourcen regeln und somit zu mehr Ernährungssicherheit der lokalen Bevölkerung beitragen. An dieser Stelle möchte ich die besondere Rolle der FAO betonen, die das Thema Ernährung als Querschnittsaufgabe verankert hat und unterstützte ausdrücklich diese sektorübergreifende Strategie.

Mangelernährung ist aber zunehmend auch ein Problem in reichen, entwickelten Ländern. Auch Deutschland gehört dazu. Ich sehe einige Entwicklungen, insbesondere bei alten Menschen, mit Sorge. Der aktuelle Ernährungsbericht der Deutschen Gesellschaft für Ernährung (DGE) stellt bei etwa 13 Prozent der Seniorinnen und Senioren mit Pflegebedarf eine Mangelernährung fest. Bei weiteren 57 Prozent besteht ein Risiko für Mangelernährung. Deshalb hat die DGE im Rahmen unseres nationalen Aktionsplans “IN FORM – Deutschlands Initiative für gesunde Ernährung und mehr Bewegung” Qualitätsstandards für die Verpflegung sowohl in Senioreneinrichtungen als auch für “Essen auf Rädern” erarbeitet. Alle Beteiligten sind jetzt aufgerufen, diese Standards umzusetzen. Darüber hinaus bietet IN FORM vielfältige Unterstützung für eine ausgewogene Ernährung in jedem Alter und wirkt damit Fehl- und Mangelernährung entgegen.

Ich bin sicher, diese Konferenz wird die internationalen und auch die nationalen Debatten bereichern. In diesem Sinne wünsche ich Ihnen erkenntnisreiche Tage.

Ilse Aigner, Federal Minister of Food, Agriculture and Consumer Protection, Germany

Source: BMELV/BILDSCHÖN



**Dirk Niebel**

There are nearly two billion people worldwide who suffer from malnutrition – in other words, almost a third of the world's population. 870 million people live in a state of constant hunger. As the world's population continues to grow, rapidly increasing demand for agricultural commodities, and in light of the on-going changes to the earth's climate, the situation will become even more critical unless active measures are undertaken to prevent it. What is needed is a broad alliance comprising research, business, society and politicians: A world in which nobody goes hungry is indeed possible – but it will take great effort to achieve.

This congress on "Hidden Hunger", organised by the Food Security Center (FSC) of the University of Hohenheim, brings together representatives from all of the responsible groups in the hope of finding solutions together. I strongly welcome the work of the Food Security Center and I am happy that we are able to provide it with substantial support for its endeavours. The FSC is our strong partner in the field of global agricultural research. At the same time, it is an important advisory body when it comes to the future planning for our bilateral and multilateral development projects concerning food security.

The Federal Ministry for Economic Cooperation and Development (BMZ) is counting on a multi-party alliance to combat malnutrition. That is why, together with the Bill & Melinda Gates Foundation and enterprises in Germany belonging to the German Food Partnership, we launched projects amounting to 80 million euros aimed at combatting malnutrition at the end of January this year. 20 million euros of that money came from German taxpayers. The BMZ spends a total of 700 million euros annually for rural development, agriculture and nutrition. That's double the amount we spent in 2009. This government is setting a clear example and is taking a stand against hunger.

A world in which nobody goes hungry is possible. Let us all work together to make it happen.

Knapp zwei Milliarden Menschen weltweit sind von Mangelernährung betroffen. Das ist fast ein Drittel der Weltbevölkerung. 870 Millionen Menschen hungern. Mit der steigenden Weltbevölkerung, der rapide steigenden Nachfrage nach Agrarrohstoffen und vor dem Hintergrund des Klimawandels könnte sich die Lage noch verschärfen, wenn nicht entschieden gegengesteuert wird. Wir brauchen ein breites Bündnis aus Forschung, Wirtschaft, Zivilgesellschaft und Politik: Eine Welt ohne Hunger ist möglich – aber nicht ohne große Anstrengungen zu erreichen.

Die internationale Konferenz "Hidden Hunger" des Food Security Centers der Universität Hohenheim bringt Vertreter aller relevanten Gruppen zusammen, um gemeinsam an Lösungen zu arbeiten. Ich begrüße die Arbeit des Food Security Centers (FSC) ausdrücklich und bin froh, dass wir diese substantiell unterstützen können. Im FSC haben wir einen starken Partner für unser Engagement in der internationalen Agrarforschung. Gleichzeitig ist es ein wichtiges Beratergremium in der konzeptionellen Weiterentwicklung unserer bi- und multilateralen Entwicklungszusammenarbeit in der Ernährungssicherung.

Das Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung (BMZ) setzt auf ein Multi-Akteurs-Bündnis gegen die Mangelernährung. Hierzu haben wir Ende Januar zusammen mit deutschen Unternehmen der German Food Partnership und der Bill & Melinda Gates-Stiftung Projekte zur Bekämpfung der Mangelernährung in einem Gesamtvolumen von 80 Millionen Euro lanciert, davon 20 Millionen Euro des deutschen Steuerzahlers. Insgesamt setzt das BMZ jährlich 700 Millionen Euro für ländlichen Entwicklung, Landwirtschaft und Ernährung ein. Wir haben unseren Mitteleinsatz seit 2009 fast verdoppelt. Damit setzt diese Regierung einen eindeutigen Akzent und kommt ihrer Verantwortung im Kampf gegen Hunger nach.

Eine Welt ohne Hunger ist möglich. Lassen Sie uns gemeinsam an diesem Ziel arbeiten.

Dirk Niebel  
Minister for Economic Cooperation and Development, Germany





**Wolfgang Reimer**

Famines in Somalia, in the Sahel and most recently in Mali – for us in the West, these tragedies are a poignant illustration of misery and human suffering.

According to the Food and Agriculture Organization, 900 million people currently live in a constant state of hunger. And yet there are many more people, 2.5 billion in fact, who suffer from the effects of an imbalanced diet since they cannot afford high-grade food products. This “Hidden Hunger” engenders dramatic health complications, in particular for unborn children, infants and pre-schoolers, rendering them extremely vulnerable to disease and hunger.

Malnutrition at a very early age triggers developmental disorders, both physical and mental, which carry life-long implications. Provided the child survives, their path out of poverty and towards a better and brighter future will forever be fraught with hurdles.

The politics of rich countries must address this crisis to a much greater extent than has hitherto been the case. Food, and most especially nutritious food, must remain within the means of poorer people in all countries. Nutrition programmes which simply count calories and disregard the nutritional value of foods cannot combat the crisis of “Hidden Hunger” on their own.

Nowadays nobody living in Germany needs to fear starvation, and yet the problem of poverty and malnutrition is present here, as well. Children in low-income families are twice as likely to be obese as children from average-income households. In addition, they often suffer from an inadequate diet. Cheap food products are often rich in calories and the knowledge of how to turn inexpensive, seasonal products into a delicious meal is often lacking. The manifold nutrition programmes directed by the State of Baden-Wuerttemberg and the Ministry for Rural Development and Consumer Protection are aimed at improving people's diets.

It is essential that the key issue of malnutrition finds a platform for discussion, both here at the “Hidden Hunger” Congress, as well as in other parts of the world. I heartily welcome you to Hohenheim and I wish you lots of intriguing insights and lively discussion. For my part, I hope that this congress will succeed in shining a bright, new light on “Hidden Hunger”!

Hungerkatastrophen in Somalia, in der Sahelzone und jetzt auch in Mali vermitteln der westlichen Welt das dramatische Elend der dort lebenden Menschen.

900 Millionen Menschen hungern nach Angaben der Welternährungsorganisation. Weitaus mehr, nämlich 2,5 Milliarden Menschen, leiden unter einer einseitigen Ernährung, da sie sich hochwertige Lebensmittel nicht leisten können. Dieser verborgene Hunger, der “Hidden Hunger”, hat vor allem für die Ungeborenen, für Säuglinge und Kinder dramatische Folgen. Sie sind massiv von Krankheit und Hunger bedroht.

Die Mangelernährung in frühen Jahren führt zu körperlichen und geistigen Entwicklungsstörungen, die sich lebenslang auswirken. Diesen Kindern bleibt deshalb, wenn sie überleben, der Ausweg aus der Armut in eine bessere Zukunft versperrt.

Die Politik der reichen Staaten muss künftig noch stärker darauf ausgerichtet werden, dass die Nahrungsmittel – und zwar gute Nahrungsmittel – in allen Ländern auch für ärmere Menschen erschwinglich bleiben. Denn Ernährungsprogramme, die nur eine Erhöhung der Kalorienzahl vorsehen, ohne auf die Ausgewogenheit der Nahrungsmittel zu achten, werden das Problem des “verborgenen Hungers” allein nicht lösen können.

In Deutschland muss heute niemand an Hunger sterben. Doch auch hier gibt es das Problem der Armut und des Nährstoffmangels. Kinder aus armen Familien sind doppelt so häufig übergewichtig wie Kinder aus Familien mit durchschnittlichem Einkommen. Zusätzlich leiden sie oft unter einer qualitativen Mangelernährung. Billige Lebensmittel sind häufig sehr kalorienreich, und oft fehlt das Wissen, wie man aus günstigen, saisonalen Zutaten leckere Mahlzeiten herstellen kann. Hier setzen die vielfältigen Programme des Landes Baden-Württemberg und des Ministeriums für Ländlichen Raum und Verbraucherschutz für eine gesunde Ernährung an.

Es ist wichtig, dass wir im Rahmen des Kongresses “Hidden Hunger” das bedeutsame Thema der Mangelernährung sowohl bei uns als auch in anderen Teilen der Erde diskutieren. Ich begrüße Sie sehr herzlich in Hohenheim und wünsche Ihnen interessante Eindrücke und lebendige Diskussionen. Ich wünsche mir, dass der Kongress in der Öffentlichkeit eine große Aufmerksamkeit für das Thema “Hidden Hunger” bewirkt!

Reimer, Wolfgang

Ministry Director, Ministry of Rural Affairs and Consumer Protection, Germany



**Hans Konrad Biesalski**

Hidden Hunger is hidden in the sense that it is perceived very late, if at all. Furthermore it is hidden since it remains overshadowed by the discussions concerning the causes of and the solutions to the global hunger problem and the scenes of apparently necessary increases in staple food production. It is eclipsed by the belief that hunger can be effectively eradicated with sacks of rice, corn and other cereals. And so the non-growing phantom of hunger creeps silently along. The fact that for every hungry child which we see, there are ten others also suffering from an invisible form of hunger remains out of the public eye, as well.

Hidden Hunger does however have very visible consequences, including developmental disorders, both physical and mental, among children. This is especially true when Hidden Hunger is present during the first 1,000 days of a child's life, i.e. during pregnancy. Finally, this form of hunger stays hidden because experts from the various fields of research in the agricultural, political, social, and nutrition sciences rarely exchange their findings, thus not allowing for useful concepts in the battle against Hidden Hunger to find a wide scope of application nor for the economic implications of Hidden Hunger to be documented. It is a goal of this convention to illuminate the points where these disciplines intersect and overlap and to provide impetus for interdisciplinary concepts. Dragging Hidden Hunger out from its hiding spot, also from where it is least suspected, namely in rich, industrialised countries, is the important task at hand. The contributions being provided by scientists from around the world at this congress, along with numerous talks and posters from colleagues in developing countries demonstrate that the world is starting to wake up to the problem of hidden hunger. The discussion topics concerning the assessment of the current situation, to the impact of Hidden Hunger and finally potential solutions, will all include multisector processes, from early diagnosis to targeted intervention. The special forums for agribusiness and NGOs will provide a platform for the presentation and critical evaluation of various campaign initiatives. When new projects and avenues for collaboration between scientists, aid organisations and the private sector arise as a result of this convention and when Hidden Hunger is flushed out of its hideout, then a big step in this important battle will have been taken. For that reason, I would like to sincerely thank everybody who contributed to making this congress happen.

Hidden Hunger ist verborgen, weil er symptomatisch nicht oder oft sehr spät wahrgenommen wird. Er ist weiterhin verborgen, weil er in der Debatte um die Ursachen und Lösungen des weltweiten Hungerproblems hinter den Szenarien der scheinbar notwendigen Ertragssteigerungen von Grundnahrungsmitteln versteckt bleibt. Er wird nicht gesehen, weil Hungerkatastrophen durch Säcke mit Reis, Mais oder anderem Getreide scheinbar besiegt werden können. Stattdessen geht das nicht physisch erlebte unsichtbare Hungern weiter. Das hinter jedem sichtbar hungernden Kind zehn weitere, nicht sichtbare, mit verborgenem Hunger stehen, bleibt ebenfalls verborgen.

Dieser unsichtbare Hunger hat jedoch sichtbare Folgen: körperliche und geistige Entwicklung des Kindes sind eingeschränkt, besonders dann, wenn der verborgene Hunger in den ersten 1000 Lebenstagen, also bereits in der Schwangerschaft, bestand. Nicht zuletzt bleibt der Hunger verborgen, weil sich die unterschiedlichen Fachdisziplinen der Agrar-, Ökonomie-, Politik-, Sozial- und Ernährungswissenschaften kaum austauschen, sodass sinnvolle Konzepte im Kampf gegen den verborgenen Hunger oft Einzelaktionen bleiben und auch in ihrer wirtschaftlichen Bedeutung nicht erfasst werden. Die Schnittmengen zwischen den Fachdisziplinen aufzuzeigen, und gleichzeitig Anregungen für fachübergreifende Konzepte zu geben, ist ein Ziel des Kongresses. Den verborgenen Hunger aus seiner Verborgenheit zu holen und dies auch dort, wo er am wenigsten vermutet wird – in den reichen Industrienationen – ist ein wichtiges Anliegen. Die breite Zustimmung internationaler Wissenschaftler Beiträge bei diesem Kongress vorzustellen, als auch die vielen Vorträge und Poster von Kollegen aus Entwicklungsländern zeigen, dass das Problem des Hidden Hunger zunehmend erkannt wird. Durch die verschiedenen Topics der Erfassung, der Folgen und der Lösungen zur Bekämpfung des Hidden Hunger soll Gelegenheit gegeben werden, multisektorielle Prozesse von der Früherkennung bis zur gezielten Intervention zu diskutieren. Die speziellen Foren – Agri-business und NGO – sollen Gelegenheit geben die unterschiedlichen Initiativen darzustellen und kritisch zu erörtern. Wenn sich durch die Zusammenkunft der Wissenschaftler, der Hilfsorganisationen und auch des privaten Sektors neue Verbindungen und Projekte ergeben, die den Hidden Hunger aus seiner Verborgenheit holen, dann wäre ein wichtiger Schritt getan. In diesem Sinne danke ich allen, die am Zustandekommen dieses Kongresses mitgewirkt haben.

Hans K. Biesalski, Congress Chair,  
University of Hohenheim, Institute of Biological Chemistry and Nutrition, Germany

## WEDNESDAY, MARCH 6, 2013 – PROGRAM

### WELCOME + OPENING

**Hans K. Biesalski** **ROOM B3**

11:15-11:30 Hanns-Christoph Eiden (Federal Ministry of Food, Agriculture and Consumer Protection)

11:30-11:45 Dirk Schattschneider (Representative of the Ministry of Development)

11:45-12:00 Wolfgang Reimer (Ministry Director, Ministry of Rural Affairs and Consumer Protection)

### GENERAL OPENING LECTURE

12:00-12:45 David Nabarro: Global food security

### TOPIC 1: DEFINITION AND ASSESSMENT OF HIDDEN HUNGER

**Lindsay H. Allen and Michael B. Zimmermann** **ROOM B3**

12:45-13:15 Patrick Webb: Distribution of global micronutrient deficiencies

13:15-13:45 Eileen Kennedy: How to assess hunger and malnutrition

13:45-14:15 **BREAK**

### TOPIC 2: MAGNITUDE AND MEDICAL IMPACT OF HIDDEN HUNGER

**Lindsay H. Allen and Michael B. Zimmermann** **ROOM B3**

14:15-14:45 Keith West: Extending Hidden Hunger to many micronutrient deficiencies – why and how to proceed?

14:45-15:00 M. Chowdhury: Magnitude of Hidden Hunger in Asia: approaches to reach a sustainable nutrition solution in the region

**Keith West and Alfred Sommer** **ROOM B3**

15:00-15:30 A. Catharine Ross: Impact of vitamin A on human health – overview

15:30-16:00 Michael B. Zimmermann: Global iodine status – an update for 2013

16:00-16:15 Maria Andersson: Monitoring iodine status: urinary iodine concentration and thyroglobulin as sensitive measures of both deficient and excess iodine intakes in children

16:15-16:30 A. Tulobaev; Z. Jumakanova; R. Salykov: Reason of “Hidden Hunger” in the Kyrgyz Republic

16:30-16:45 C. Musita; D. Kaseje: Impact of HIV/AIDS on household food and nutrition security in Suba District, Kenya

16:45-17:00 **BREAK**

## WEDNESDAY, MARCH 6, 2013 – PROGRAM

### TOPIC 1: DEFINITION AND ASSESSMENT OF HIDDEN HUNGER

**ROOM Ö1/Ö2**

12:45-13:00 E.H. Pangaribowo; N. Gerber: Micronutrient demand analysis: an empirical study for Indonesia

13:00-13:15 H. De Steur; J. Birundi Mogendi: The burden of folate deficiency and a micro/macro level evaluation of folate biofortified rice. Results from a series of ex-ante socio-economic studies in China

13:15-13:30 V. Lopez-Teros; L. Quihui-Cota; R. Mendez-Estrada; et al.: Use of the deuterated-retinol-dilution technique to assess total body vitamin A stores in Mexican preschoolers consuming vitamin A-fortified milk: a randomized controlled clinical trial

13:30-13:45 A. Mathiassen; M. Lovon; K. Ogden; S. Moreno: Household food consumption score – a new perspective

13:45-14:15 **BREAK**



**NGO FORUM:**

**MICRONUTRIENT FORUM – SYMPOSIUM:  
IMPLICATIONS AND PROGRESS TOWARDS HARMONIZATION OF MICRONUTRIENT  
RECOMMENDATIONS**

**Lynette Neufeld**

**ROOM B3**

- 17:00-17:15 Lindsay H. Allen: Harmonization of micronutrient recommendations, current discussions and challenges
- 17:15-17:25 Mamame Zeilani: Implications from the industry perspective
- 17:25-17:35 Ferew Lemma: Implications from a country perspective – Ethiopia
- 17:35-18:00 Lynette Neufeld: Summary and discussion

**SIGHT & LIFE – SYMPOSIUM:**

**INVESTING IN HEALTHY CHILDREN BY INCREASING FOLIC ACID INTAKE**

**ROOM B3**

- 18:00-18:12 Berthold Koletzko: Health significance of folic acid intake – overview
- 18:12-18:24 Margo Whiteford: Neural tube defects – an overview
- 18:24-18:36 Klaus Krämer: Myths and beliefs in the use of folic acid
- 18:36-18:48 Lisa Houghton: Folic acid fortification policy – lessons learned from New Zealand
- 18:48-19:00 Oleksandra Kalandyak: Tip of the iceberg – malnutrition in state-run institutions for disabled children

**COME TOGETHER**

**MENSA**

- 19:15-19:30 Stephan Dabbert (Rector of the University of Hohenheim): Opening Come Together
- 19:30-22:00 Come Together Celebration



## THURSDAY, MARCH 7, 2013 – PROGRAM

### TOPIC 2: MAGNITUDE AND MEDICAL IMPACT OF HIDDEN HUNGER

Berthold Koletzko and Ute Gola		ROOM B3
08:00-08:30	Lindsay H. Allen: Micronutrient problems in women of child-bearing age and their children – what we do and don't know	
08:30-09:00	Kripa Raghavan: Biomarkers of nutrition for development: current program and future directions	
09:00-09:15	Christine Lambert: Electronic assessment of micronutrient deficiencies on a population level	
09:15-09:30	Ignasius Radix A. P. Jati: Validation of the program CIMIP in Indonesia	
09:30-09:45	<b>BREAK</b>	

### TOPIC 4: THE “THOUSAND-DAY-WINDOW”

Dan Raiten		ROOM B3
09:45-10:15	Berthold Koletzko: Programming effects of early nutrition on life-long health	
10:15-10:45	Elina Rouw: Maternal and child health and nutrition: a worldwide challenge in gender equity	

### TOPIC 3: REASONS FOR HIDDEN HUNGER WORLDWIDE

Regina Birner and Harald Grethe		ROOM B3
10:45-11:15	Joachim von Braun: Poverty price volatility and nutrition	
11:15-11:45	Ursula Eid: Water and food security	
Detlef Virchow and Iris Lewandowski		ROOM B3
11:45-12:15	Harald Grethe: Bioenergy and malnutrition – what are the links?	
12:15-12:30	R. Gupta; R. Gupta: Corruption: the “Hidden” reason for Hidden Hunger	
12:30-13:00	<b>BREAK</b>	

## THURSDAY, MARCH 7, 2013 – PROGRAM

### TOPIC 3: REASONS FOR HIDDEN HUNGER WORLDWIDE

Helmut Sies		ROOM Ö1/Ö2
08:00-08:30	Adam Drewnowski: Hidden Hunger in developed countries – the role of food prices	
08:30-09:00	Stephan C. Bischoff: The Hidden Hunger paradox – malnutrition and obesity	
09:00-09:15	S. Bose: Problem of Hidden Hunger and water borne diseases among environmental refugees: a study of Indian Sunderbans Region	
09:15-09:30	B. Saheli: Problem of sewage, poverty and human development: a case study of Dharavi Slums in South Asia	
09:30-10:45	<b>BREAK</b>	
Stephan C. Bischoff		ROOM Ö1/Ö2
10:45-11:15	Tommy Cederholm: Fight against malnutrition – an european effort to establish clinical nutrition	
11:15-11:30	C. Combelles De Morais: Urban poor children of India: the ineluctable path to undernutrition	
11:30-11:45	F. Uchendu: Factors limiting eradication of Hidden Hunger in developing countries	
11:45-12:00	<b>BREAK</b>	
Folkard Asch		ROOM Ö1/Ö2
12:00-12:30	Andreas Fangmeier; Volker Wulfmeyer: Climate variability and change	
12:30-12:45	P. C. Tiwari: Changing rainfall pattern and risk of Hidden Hunger in rural Himalaya: need for adaptive agricultural and food system management	
12:45-13:00	J. Dame: Hidden Hunger in the high mountains: a case study from Ladakh, Indian Himalayas	

## THURSDAY, MARCH 7, 2013 – PROGRAM

### **AGRI-FOOD BUSINESS FORUM:**

#### **NESTLE – SYMPOSIUM: THE ROLE OF FOOD FORTIFICATION IN PUBLIC HEALTH**

**Ferdinand Haschke** **ROOM B3**

- 13:00-13:30 Zulfiqar Bhutta: The case of iron – supplementation vs. fortification
- 13:30-14:00 Lindsay H. Allen: Role of pre-fortified packaged foods
- 14:00-14:30 Simon Wieser: Health economic modelling – burden of micronutrient deficiencies and impact of fortified foods

#### **DSM – SYMPOSIUM: NUTRITION SECURITY – A GLOBAL PERSPECTIVE**

**Peter Weber** **ROOM B3**

- 14:30-14:35 Peter Weber: Welcome/Intro
- 14:35-14:50 Manfred Eggersdorfer: Micronutrient intake – a global perspective
- 14:50-15:10 Nanette Ströbele: Health inequalities in Berlin, Germany – analysis of local efforts to support socio-economically disadvantaged people
- 15:10-15:30 Judith Stenmark: Vitamin D and bone – the global vitamin D status map
- 15:30-15:50 Armin Zittermann: Economic impact of under-nutrition: vitamin D / A
- 15:50-16:00 Panel Discussion/Back-up time

#### **BASF – SYMPOSIUM:**

**Hans K. Biesalski** **ROOM B3**

- 16:00-16:45 Andreas Blüthner: Partnerships for ending Hidden Hunger – how can industry contribute to cost-effective food-fortification programs?

### **NGO FORUM:**

#### **GAIN – SYMPOSIUM: LARGE SCALE FORTIFICATION – AN EFFECTIVE STRATEGY TO TACKLE HIDDEN HUNGER AND SUPPORT THE 1,000 DAYS INTERVENTIONS**

**Regina Mönch-Pfanner and Jacques Berger** **ROOM B3**

- 16:45-16:55 Regina Mönch-Pfanner: Welcome and introduction of symposium
- 16:55-17:05 Jacques Berger: Nutrition considerations in regard to Hidden Hunger
- 17:05-17:15 Greg Garrett: Large scale food fortification – importance to address Hidden Hunger and the 1,000 days window of opportunity
- 17:15-17:25 Saskia de Pee: Cost of Diet (COD) Assessment – insights for defining nutrition interventions
- 17:25-17:35 Klaus Krämer: Stability of vitamin A in vegetable oil fortification
- 17:35-17:45 Salif Romana Niang: Local processing fortification and commercialization of rice – an innovative model to address poverty, malnutrition and environmental issues
- 17:45-17:55 Vincent Jallier: Evaluation of new portable device to enhance on-going monitoring
- 17:55-18:15 Discussion with speakers (Q&A) and closing

## THURSDAY, MARCH 7, 2013 – PROGRAM

### **TOPIC 3: REASONS FOR HIDDEN HUNGER WORLDWIDE**

**Lutz Graeve** **ROOM Ö1/Ö2**

- 16:45-17:00 O. Ecker; M. Nene; H. El-Laithy; C. Breisinger: The role of food subsidies for nutrition transition and the double burden of malnutrition in Egypt
- 17:00-17:15 F. Ahmed; M. Alsumaie: Risk factors associated with anemia and iron deficiency among Kuwaiti pregnant women
- 17:15-17:30 F. Abadio Finco: Diet, biodiversity and the risk of Hidden Hunger in rural communities in the region of APA-Cantão, Tocantins state (Brazilian Amazon Region)

## THURSDAY, MARCH 7, 2013 – PROGRAM

### TOPIC 3: REASONS FOR HIDDEN HUNGER WORLDWIDE

Klaus Krämer and A. Catharine Ross

ROOM B3

18:15-18:45 Hans K. Biesalski: Palm oil as a source for essential micronutrients

18:45-19:00 F. Dongho Dongmo: Surveys on selling conditions, use and consumption of crude palm oil in Douala, Cameroon

19:00-19:15 P. Ukegbu: Evaluation of dietary intake of lactating women in Umuahia, Abia State, Nigeria

19:15-19:30 **BREAK**

#### PANEL DISCUSSION:

**WHICH, WHAT, WHEN, FOR WHOM? –  
SUPPLEMENTATION, FORTIFICATION, BIO-FORTIFICATION, DIET DIVERSIFICATION ...**

Joachim von Braun

ROOM B3

19:30-21:00 Panelists: Marc van Ameringen; Howarth Bouis; Mathias Mogge; Hans K. Biesalski

## FRIDAY, MARCH 8, 2013 – PROGRAM

### TOPIC 4: THE “THOUSAND-DAY-WINDOW”

Lindsay H. Allen and Marie T. Ruel

ROOM B3

08:00-08:15 J. Mclean; M. Suter: Formative research to optimize acceptability, utilization and adherence of home fortification programmes with MNP in Rwanda and Zambia

08:15-08:30 R. Bellad; B. Kodkany; N. Mahantshetti; K.M. Hambidge; E. Boy: Absorption of iron and zinc from biofortified pearl millet in young Indian children

08:30-08:45 R.S. Ackatia-Armah; C.M. McDonald; S. Doumbia; J. Erhardt; J.M. Pearson; K.H. Brown: Effect of selected dietary supplements on micronutrient status during recovery from moderate acute malnutrition in young Malian children

08:45-09:00 D. Farhana; S.H. Talukder: Assessing present behavior of mother's towards IYCF practices and commitments of the health workers on nutrition, sustainable development in northern rural part Bangladesh

09:00-09:30 Parul Christian: Malnutrition and impact on maternal and neonatal health

09:30-09:45 N. Nyanga; C. Musita: Factors influencing knowledge and practice of exclusive breastfeeding in Nyando District, Kenya

09:45-10:00 J. Suryantan: Vital (ITA) lessons of a MNP supplementation program in Central Sulawesi, Indonesia

10:00-10:30 Zulfiqar Bhutta: The global burden of malnutrition and child mortality – challenges and opportunities

10:30-11:00 **BREAK**

## FRIDAY, MARCH 8, 2013 – PROGRAM

### TOPIC 4: THE “THOUSAND-DAY-WINDOW”

Adam Drewnowski and Eileen Kennedy

ROOM Ö1/Ö2

08:00-08:30 H. Tanju Besler: Findings from the latest National Nutrition and Health Survey (NNHS) in Turkey

08:30-09:00 Michael B. Krawinkel: Hidden Hunger in children from developing countries

09:00-09:15 Irmgard Jordan: Social aspects of micronutrient deficiencies

09:15-09:30 Ellen Mühlhoff: Local food resources as essential for young child feeding – potential and limitations

09:30-09:45 Pattanee Winichagoon: Scaling-up a community-based program for improving maternal and child nutrition: Thailand's lessons learned

09:45-11:00 **BREAK**

## FRIDAY, MARCH 8, 2013 – PROGRAM

### TOPIC 5: FOOD-BASED PROGRAMS

**Charles Godfray and Franz Heidhues** **ROOM B3**

- 11:00-11:30 Marie T. Ruel: Programs and delivery platforms for multiple micronutrient interventions in developing countries
- 11:30-12:00 Brian Thompson: Addressing malnutrition through nutrition-sensitive food and agriculture based approaches
- 12:00-12:30 Timothy Johns: Sustainable diets and nutrition with changing food production, supply chains and environment
- 12:30-13:00 John Hoddinott: Investments to reduce hunger undernutrition

13:00-13:30 **BREAK**

**Detlef Virchow** **ROOM B3**

- 13:30-13:45 Hannah Jaenicke; Detlef Virchow: Nutrition-sensitive agriculture – a cornerstone in fighting Hidden Hunger?
- 13:45-14:00 Anja Christinck: Plant breeding for food and nutrition security
- 14:00-14:15 Oscar B. Zamora: Promoting nutrition-sensitive agriculture in specific countries
- 14:15-14:30 Detlef Virchow: Summary and discussion

### TOPIC 6: SOLUTIONS AND FUTURE PERSPECTIVES

**Folkard Asch and Regina Birner** **ROOM B3**

- 14:30-15:00 Charles Godfray: The challenge of global food security: meshing the sustainable intensification and nutrition agendas
- 15:00-15:15 F.O. Idiku: Tackling Hidden Hunger through nutrition – focused agricultural intervention in Nigeria

## FRIDAY, MARCH 8, 2013 – PROGRAM

### TOPIC 5: FOOD-BASED PROGRAMS

**Patrick Webb and Keith West** **ROOM Ö1/Ö2**

- 11:00-11:15 Wolfgang Grüneberg: Contribution of orange flesh sweetpotato varieties to the recommended daily allowance of pro-vitamin A, iron and zinc
- 11:15-11:30 Sigrid Janssen: Integrated rural development activities – impact on nutritious diets in MfM projects
- 11:30-11:45 T. Masilela: Observed indicators of Hidden Hunger and the importance of agricultural diversification towards alleviating it
- 11:45-12:00 J. Hunt: Stable isotope techniques to address issues of Hidden Hunger: examples from the IAEA Human Health Program
- 12:00-12:15 O. Kalandyak; T. Mishchuk: To share how good practice can influence policy changes towards the quality of life of children with disabilities

12:15-12:45 **BREAK**

### TOPIC 6: SOLUTIONS AND FUTURE PERSPECTIVES

**ROOM Ö1/Ö2**

- 12:45-13:00 J. Cuesta: Feeding five billion Asians: a socioeconomic perspective
- 13:00-13:15 D. Ojo: Hidden Hunger alleviation in Africa: perspective on intelligent model studies
- 13:15-13:30 O. Kirui; S. Pavel; E. Pangaribowo; G. Manske: Combating micronutrient deficiencies in developing countries: is there a cost-effective and sustainable approach? The case of Kenya and Bangladesh
- 13:30-13:45 M. Emami; H. Bakhoda; M. Almassi: Assessment of the role and effectiveness of self-sufficiency policies of basic products in Iran in prevalence of Hidden Hunger
- 13:45-14:00 K. Kehlenbeck; R. Bilault; M. Imbumi; et al.: Fruit trees on farms and their contribution to family nutrition: a case study from Busia County, Western Kenya

**Timothy Johns and Gerard Barry** **ROOM Ö1/Ö2**

- 14:00-14:30 Matin Qaim: Agriculture-nutrition linkages and the potential role of genetically modified crops
- 14:30-14:45 Guangwen Tang: Vitamin A value of staple crops biofortified with beta-carotene
- 14:45-15:15 Gerard Barry: Strategies to address micronutrient deficiencies through crop improvement



**TOPIC 6: SOLUTIONS AND FUTURE PERSPECTIVES****Donatus Nohr and Detlef Virchow****ROOM B3**

- 15:15-15:30 W. Stuetz; V.I. Carrara; T. Grune; H.K. Biesalski; F.H. Nosten: Micronutrient status in pregnant and lactating women of a displaced population in Northern Thailand
- 15:30-15:45 A.-M. Mayer; E. Frongillo; N. Hassan; J. Duxbury; M. Latham: Community value chains for nutrition: the example of rice in Bangladesh
- 15:45-16:00 A. Keleman: Micronutrients and macro-influences: addressing socio-structural factors limiting the use of agrobiodiversity in nutrition programming
- 16:00-16:15 V. Galetti; P. Kujinga; D. Moretti; E. Mitchipè; C. Zeder; A. Krzystek; F. Tossou; J.D. Hounhouigan; M.B. Zimmermann: Zinc absorption from water enriched via a filtering device and its potential on improving zinc intake in deficient populations
- 16:15-16:30 S.K. Rasmussen; C.R. Ingvarsen; C. Bukh; G. Backes; et al.: Removing the anti-nutritional factor phytate by molecular breeding
- 16:30-16:45 I. Cakmak: Agronomy offers rapid and cost-effective solution to micronutrient deficiencies in human populations

**16:45-17:00 BREAK****NGO FORUM:****HARVEST PLUS – NUTRITION PANEL:****THE SCIENCE OF BIOFORTIFICATION – DO BETTER CROPS MEAN BETTER NUTRITION?****ROOM B3**

- 17:00-17:30 Erick Boy: From discovery to impact – an overview
- 17:30-17:45 Elise Talsma: Efficacy of provitamin A rich cassava in improving vitamin A status of primary school children in Kenya, a randomized controlled feeding study
- 17:45-18:00 Colin Cercamondi: Bioavailability of iron in pearl millet (Benin and India)

**HARVEST PLUS – PANEL DISCUSSION:****GETTING NUTRITIOUS FOODS TO FARMERS AND FAMILIES****Katrin Zöfel****ROOM B3**

- 18:00-19:30 Panelists: Howarth Bouis, Lister Katsvairo, Richard Dove

**NGO FORUM:****HARVEST PLUS – BREEDING PANEL:****THE SCIENCE OF BIOFORTIFICATION: BREEDING BETTER CROPS****ROOM 01/Ö2**

- 15:15-15:45 Parminder Virk: Overview of crop development and breeding for minerals
- 15:45-16:00 Abebe Menkir: Breeding vitamin A crops for Nigeria – maize and cassava
- 16:00-16:15 Ismail Cakmak: Improving zinc content of food crops through fertilizer

**TOPIC 6: SOLUTIONS AND FUTURE PERSPECTIVES****Matin Qaim****ROOM Ö1/Ö2**

- 16:15-16:45 John Humphrey: Innovating in value chains to produce and distribute nutrient-dense food

**16:45-17:00 BREAK****Nanette Ströbele and Veronika Scherbaum****ROOM Ö1/Ö2**

- 17:00-17:15 E. Bashir; A. Ali; A. Ali; H. Parzies; B. Haussmann: Prospects of developing biofortified pearl millet with improved nutritional value from Sudanese landraces
- 17:15-17:30 J. Kaganda; V. Assey: Tanzania and the fight against Hidden Hunger
- 17:30-17:45 R. Jayatissa; D. Fernando; M. Gunathilaka; J.M. Ranbanda: Effectiveness of salt fortified with iron and iodine to improve anaemia in real life settings of Sri Lanka
- 17:45-18:00 Y. Wang; W. He; C. Chen: Scaling up home fortification on complementary food in rural China – Ledu Case Study
- 18:00-18:15 T. Mkumbwa; H. Subramaniam; H. Katcher; J. Blankenship; C. Nyhus Dhillon: Impact of a social mobilization toolkit on receipt of vitamin A supplementation during Child Health Days in Tanzania



## FRIDAY, MARCH 8, 2013 – PROGRAM

### DINNER RECEPTION

#### HOHENHEIM CASTLE

19:30-20:30 Alfred Sommer: Preventing blindness and death with vitamin A – an odyssey of luck and persistence

20:30-22:00 Dinner and celebration

## SATURDAY, MARCH 9, 2013 – PROGRAM

### TOPIC 6: SOLUTIONS AND FUTURE PERSPECTIVES

Hans K. Biesalski

ROOM B3

08:00-08:30 Brian Thompson: International Conference on Nutrition (ICN2)

### HEALTH PANEL

Hans K. Biesalski

ROOM B3

08:30-10:00 Panelists:  
Daniel J. Raiten: Nutrition and global health  
Lindsay H. Allen: The science behind  
John Courtney: The responsibility of nutritionists

### POLICY PANEL

Joachim von Braun

ROOM B3

10:00-11:30 Panelists:  
Hanns-Christoph Eiden  
Patrick Webb  
Zulfiqar Bhutta

ROOM B3

11:30-11:45 Hans K. Biesalski: Award Ceremony (Best Poster Prize)

11:45-12:15 Hans K. Biesalski: General conclusions

12:15 END



## POSTER SESSION

WEDNESDAY, MARCH 6, 2013; 15:15–16:45, FOYER

- 1 **Adjustment of indicators of iron and vitamin A status in a nationally representative sample of Liberian children;** F. Sandalinas, UNICEF Regional Office for West and Central Africa, Dakar
- 2 **An inclusive food and nutrition security country typology: adding the economic, health and gender dimensions;** N. Gerber, University of Bonn, Bonn
- 3 **Analysis of agricultural trade liberalization on the poverty reduction in Asia;** F. Mirzaei, Animal Science Research Institute of Iran, Karaj
- 4 **Antenatal use of iron supplement in geographically diverse areas of Bangladesh: lessons for maternal health interventions;** M. Talukder, International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka
- 5 **Are analytical differences the reason for discrepancies between the absolute values of retinol and retinol-binding protein in human serum?;** J. Erhardt, University of Indonesia, Jakarta
- 6 **Are beneficiaries willing to pay for folate biofortified rice? Findings from a high-risk region in China;** H. De Steur, Ghent University, Ghent
- 7 **Conceptual and empirical linkages between food price shocks and food security;** M. Kalkuhl, Center for Development Research (ZEF), Bonn
- 8 **Assessing the effects of the Ghana School Feeding Program;** A. Owusu-Kyem, University of Saskatchewan, Saskatoon
- 9 **Assessing the status of iodine nutrition in school children in Ebonyi state Nigeria;** I. Ezeagu, University of Nigeria, Enugu Campus
- 10 **Assessment of Iron Intake, Haem And Non-haem iron intake among men and women in Rathnapura;** R. Peiris, Ayurveda Hospital, Rathnapura
- 11 **Behavioral and neurocognitive status of iron deficient schoolchildren in Kenitra North West of Morocco;** Y. Aboussaleh, Ibn Tofail University, Kenitra
- 12 **Biofortified wheat: a sustainable agricultural approach to mitigate Hidden Hunger;** V. Govindan, International Maize and Wheat Improvement Center (CIMMYT), Texcoco
- 13 **Calcium intake through animal and plant sources among adolescent girls in rural area;** S. Saravanabavanathan, VLCC Healthcare Lanka (Pvt) Ltd, Colombo
- 14 **Children hunger in New Iraq;** F. Mustafa, Mosul University, Mosu
- 15 **Combined intensive nutrition education and micronutrient powder supplementation improve nutritional status of mildly wasted children on Nias Island, Indonesia;** D. Inayati, University of Hohenheim, Stuttgart
- 16 **Consumption of Vitamin a rich foods and dark adaptation threshold of pregnant women at Damot Sore District, Southern Ethiopia;** H. Hailelassie, University of Saskatchewan, Saskatoon
- 17 **Contributions of agroforestry and soil erosion control to household food security in Shagayu Forest, Tanzania;** I. Mkwiru, Tanzania Forestry Research Institute, Kibaha
- 18 **Cost and effectiveness of training and supervision of frontline workers on early breastfeeding practices in Bangladesh;** S. Talukder, Eminence, Dhaka
- 19 **Crude plam oil in Cameroon: identification of risk factors for loss of carotenoids during its selling and its use in households;** D. Fabrice Fabien, University of Douala, Douala
- 20 **Determination of an appropriate pattern for agricultural machines utilization system to achieve a sustainable production;** M. Ghahderijani, Science and Research Branch Islamic azad Univesity, Tehran
- 21 **Development of a reliable and valid program to calculate inadequate micronutrient intake on population-level;** C. Lambert, University of Hohenheim, Stuttgart
- 22 **Diet, biodiversity and the risk of Hidden Hunger in rural communities in the region of APA-Cantão, Tocantins state (Brazilian Amazon Region);** F. Abadio Finco, Universität Hohenheim, Stuttgart
- 23 **Dietary diversity and nutritional status of urban primary school children from Iran and India;** S. Hooshmand, S.N.D.T Women's University, Tehran
- 24 **Dietary intake and cholesterol, Diabetes status in estate sector adult population;** A. Hetti Hewage, VLCC Healthcare Lanak Pvt Ltd, Colombo 7
- 25 **Dietary risk factors for iron deficiency among mothers with children 6-59 months in the Northern Region of Ghana;** B. Abu, University of the Free State, Bloemfontein
- 26 **Does dependency on white rice as a primary source of energy a silent threat leads to Hidden Hunger?;** I. Jati, Institute of Biological Chemistry and Nutrition, University of Hohenheim, Stuttgart
- 27 **Effect of phytase in a zinc-fortified millet porridge on zinc absorption in young burkinabe children;** M. Brnic, ETH Zurich, Zurich
- 28 **Environmental harzards,farmers and fishermen disputes and food security in africa: case study of lake chad;** B. Abubakar, KDA, Lagos
- 29 **Factors influencing knowledge and practice of exclusive breastfeeding in Nyando District, Kenya;** N. Nyanga, Great Lakes University of Kisumu, Kisumu
- 30 **Factors influencing utilization of MMNPs in reduction of anemia in children 6-23 months, Afghanistan;** K. Sharifi, Social and Health Development Program, Kabul

## THURSDAY, MARCH 7, 2013; 17:30–19:15, FOYER

- 31 Factors limiting eradication of Hidden Hunger in developing countries;** F. Uchendu, National Open University of Nigeria University, Lagos Lagos
- 32 Food and nutrition status of households with homegardens in the Nuba Mountains of Sudan;** B. Grieb, FiBL Projekte GmbH, Bad Dürkheim, Germany
- 33 Food safety initiatives in Tajikistan, Kyrgyzstan and Armenia;** F. Nasyrova, Institute of Botany, Plant Physiology and Genetics, TAS, Dushanbe
- 34 Fortification of locally-made flour to improve nutritional status of children aged from 6 to 23 months in Togo;** A. Vewonyi Epe Ez, National Nutrition Service, Lomé
- 35 Hidden Hunger in developed countries. The case of Spain;** M. Valledor, Universidad Rey Juan Carlos, Madrid
- 36 Household food security: evaluating the extension model applied by Is'Baya and Agricultural Research Council in South Africa;** T. Anyasi, University of Venda, Thohoyandou
- 37 How lessons from India's failure can help wipe out undernutrition from face of the earth;** R. Gupta, Government of India, New Delhi
- 38 Impact of Expanding Nutrition and Health Achievements through Necessary Commodities and Education (ENHANCE) program in improving health and nutrition status of children under five in Africa;** A. Tolossa, World Vision International, Nairobi
- 39 Improving the nutrition level of rural poor through self reliance and fight against Hidden Hunger of Bangladesh;** M. Bhadra, New Hope Media & Consultants, Dhaka
- 40 Integrating multiple delivery platforms: positive experience from India;** R. Gupta, Government of India, New Delhi
- 41 Involvement of community volunteers in Infant & Young Child Feeding (IYCF) program at Sylhet in Bangladesh;** M. Alamgir, Save the Children, Rangpur
- 42 Is measurement of mid upper arm circumference sufficient for admitting children with severe acute malnutrition into nutritional programmes in an urban slum in Bangladesh?;** E. Ali, Medecins Sans Frontieres-Luxembourg, Luxembourg
- 43 Is there a link between environment and Ca deficiency rickets in Nigerian subsistence farmers' children? L. Hartmann, University of Frankfurt, Frankfurt**
- 44 Knowledge, attitude and practice in the nutritional care and support of children under five years old in Kisumu, Kenya;** C. Musita, Great Lakes University of Kisumu, Kisumu
- 45 Level and stability of nutrient contents in whole and decorticated grains of West and Central African pearl millets grown in three contrasting environments in Niger;** A. Bürger, University of Hohenheim, Stuttgart
- 46 Magnitude of Hidden Hunger in Sri Lanka;** L. Rajasinghe, Wayne State University, Detroit
- 47 Maize production risks in Pendjari Region under chemical fertilizer and termites (*Macrotermes bellicosus*) fertility effect;** O. Georges, Justus-Liebig University of Giessen, Giessen
- 48 Micronutrients incorporated in food give less rise to adverse interactions than micronutrients given as supplements;** M. Nube, Centre for World Food Studies (SOW-VU), Amsterdam
- 49 Necessity of developing systems for optimal utilization of land (with the emphasis on cooperatives) to achieve a sustainable food security;** M. Emami, Science and Research Branch Islamic Azad University, Tehran
- 50 Nutrient security among male and female-headed households in Eden District Municipality of the Western Cape, South Africa;** I. Oladele, North West University Mafikeng, Mmabatho
- 51 Obesity is associated with reduced iron status and increased hepcidin concentrations in women in Southern India;** I. Aeberli, ETH Zurich St. John's National Academy of Health Sciences, Zurich Bangalore
- 52 Observed indicators of Hidden Hunger and the importance of agricultural diversification towards alleviating it;** T. Masilela, University of Limpopo, Polokwane
- 53 Past and present of the fight against iodine deficiencies disorders in Togo;** A. Vewny Epe Eze, National Nutrition Service Togolese Agronomic Research Institut, Lomé
- 54 Post disaster child feeding and caring practices among < 5 Children in Barguna District, Bangladesh;** M. Farhana, Eminence, Dhaka
- 55 Potentiality of local food for reducing micronutrient deficiency in Indonesia;** A. Ningrum, BOKU, Food Science, Wien
- 56 Qualitative and quantitative assessment for bran and bran oil of some Egyptian Rice varieties;** D. AbdelBary, Field Crops Research Institute, Alexandria
- 57 Solutions to combat Hidden Hunger;** M. VinodKumar, Sundar Serendipity Foundation, Chennai
- 58 Staple foods fortification program in Togo;** A. Vewny Epe Eze, National Nutrition Service Togolese Agronomic Research Institut, Lomé
- 59 Status of some soil properties and wheat production under parkland agroforestry at Beressa Watershed in Gurage Zone, Central Ethiopia;** G. Belay, Hawassa University, Hawassa



FRIDAY, MARCH 8, 2013; 18:15–19:30, FOYER

- 60 **Study on the anemia status and its risk factors of children under age 5 in rural Hubei Province;** G. Chen-rui, Hubei Center for Disease Control and Prevention, Wuhan
- 61 **Supplementary feeding with locally-produced Ready-to-Use Food (RUF) for mildly wasted children on Nias Island, Indonesia: comparison of daily and weekly program outcomes;** R.C. Purwestri, University of Hohenheim, University of Brawijaya, Stuttgart Malang
- 62 **The affliction of Hidden Hunger among women and infants;** C. Namukasa, Hunger Fighters Uganda, Kampala
- 63 **The effect of boko harm on food securitys in Nigeria. A case study in the Northern Nigeria;** M. Oke, AgricLink Multipurpose Cooperative Society Limited, Federal Capital Territory
- 64 **The Hidden Hunger: understanding the burden of anaemia and its determinants among pregnant and non-pregnant women in Ethiopia;** W. Amenu; D. Egamberdieva: University, Hawassa
- 65 **The impact of the aral sea crisis on agricultural production and nutrition, prospects and solutions;** D. Egamberdieva, National University of Uzbekistan, Tashkent
- 66 **The simultaneous use of the wetland and irrigation schemes to eradicate hunger: a case of Ga-Mampa households in Limpopo Province of South Africa;** T. Masilela, University of Limpopo, Polokwane
- 67 **Transmission of international price shocks to domestic markets: a global perspective;** L. Kornher, ZEF, Bonn
- 68 **Triple fortified rice grains containing vitamin A overcome vitamin A deficiency and increase vitamin A liver stores in school-aged Thai children;** S. Pinkaew, Prince of Songkla University ETH Zurich, Pattani Zurich
- 69 **Urban and peri urban horticulture in Namibia;** A. Fosso, Namibian Horticulture Trust, Windhoek
- 70 **Using enhanced homestead food production program as a platform to deliver multiple micronutrient powders (MNP) to infants and young children in Nepal;** A. Osei; Helen Keller International, Phnom Penh
- 71 **Zinc absorption from mixed diets containing either high-zinc rice or conventional rice, with or without additional exogenous zinc, among young Bangladeshi children;** Islam, Md., ICDDR,B Centre for Nutrition & Food Security, Dhaka
- 72 **Health risks of too low and too high intake should be equally considered when setting micronutrient levels in food;** M. Bruins, DSM Food Specialties, Delft
- 73 **Systems nutrition research for improving health in Hidden Hunger;** B. Kremer, Microbiology & Systems Biology, Zeist



## HIGHLIGHTS AND SIDE EVENTS

### MEET THE EXPERT

**We cordially invite you to have a face-to-face conversation with one of our experts.  
Please register at the congress registration desk!**

Date: Wednesday, March 6 until Friday, March 8, 2013  
Time: Please see congress board near the registration  
Location: Room Ö2  
Experts: Please see congress board near the registration

### PRESS CONFERENCE

Date: Thursday, March 7, 2013  
Time: 11:30 – 12:30 o'clock  
Location: Room Ö1

### OPEN PANEL DISCUSSION

**“WHICH, WHAT, WHEN, FOR WHOM? – SUPPLEMENTATION, FORTIFICATION,  
BIO-FORTIFICATION, DIET DIVERSIFICATION ...”**

Date: Thursday, March 7, 2013  
Time: 19:30 – 21:00 o'clock  
Location: Room B3

Chair:

**Prof. Dr. Dr. Joachim von Braun**

Center for Development Research (ZEF), University of Bonn, Department of Economic and Technological Change, Bonn, Germany

Panelists:

**Marc van Ameringen**

Global Alliance for Improved Nutrition (GAIN), Geneva, Switzerland

**Dr. Howarth Bouis**

Harvest Plus, Washington, D.C., USA

**Mathias Mogge**

Deutsche Welthungerhilfe e.V., Bonn, Germany

**Prof. Dr. med. Hans K. Biesalski**

Institute of Biological Chemistry, University of Hohenheim, Stuttgart, Germany

### AWARD CEREMONY

**We are delighted to award a Best Poster Prize to three of the poster presenters who  
will be announced at the award ceremony!**

Date: Saturday, March 9, 2013  
Time: 11:30 – 11:45 o'clock  
Location: Room B3

### COME TOGETHER EVENING

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

Date: Wednesday, March 6, 2013  
Time: 19:15 – 22:00 o'clock  
Location: Mensa of the University of Hohenheim

### DINNER RECEPTION

**We cordially invite all main speakers and participants who got an invitation card to  
enjoy the evening and celebrate with us!**

Date: Friday, March 8, 2013  
Time: 19:30 – 22:00 o'clock  
Location: Hohenheim Castle

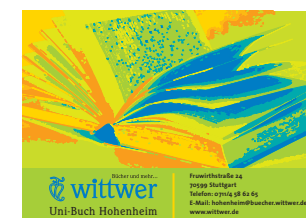
Please listen to an interesting lecture of

**Alfred Sommer (University of Boston, USA)** with the title **“Preventing blindness and  
death with vitamin A – an odyssey of luck and persistence”**



## SPONSORS AND EXHIBITORS

Sincere thanks are given to our sponsors and exhibitors for their valuable support and active participation:



Sincere thanks are also given to the Food and Agriculture Organization of the United Nations (FAO), the International Potato Center (CIP) and the Bioanalyt GmbH.



## KEYNOTE SPEAKERS AND PANELISTS



**Lindsay H. Allen**

Director, USDA-ARS Western Human Research Center, Research Department of Nutrition, UC Davis.

Lindsay Allen has investigated the prevalence, causes and consequences of micronutrient deficiencies for over 30 years. She has designed, implemented and evaluated micronutrient interventions, primarily in developing countries, that have included supplementation, food-based approaches, home food production, fortification, and currently, micronutrient-fortified lipid-based supplements. She was among the first to recognize and document the very high global prevalence of vitamin B12 deficiency, and to document the cause as being low animal source food intake rather than malabsorption. For the past ~15 years she has been documenting the adverse consequences of vitamin and mineral deficiencies in different populations and especially in women, infants and young children. As Director of the WHNRC she directs a large laboratory which analyzes micronutrient status and bioavailability in populations across many countries. Currently she is collaborating in research in Bangladesh, Malawi, Honduras, Ghana, Chile, Kenya, India and Uganda. Among her current interests is the development of new methods for simultaneous measurement of multiple micronutrients in human milk and the effect of maternal diet and supplements on breast milk quality. Another interest is the use of metabolomics to measure the effects of micronutrient deficiencies on function and the benefits of nutrient interventions. She has a strong interest and record of applying scientific knowledge to set programmatic recommendations, and has served as the Major Advisor for about 32 graduate students, mostly Ph.D.s – many from developing countries – and 5 postdoctoral fellows. Dr. Allen has 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, the Asian Development Bank, the World Bank, PAHO and FAO. She is principal author of the book “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 McCollum International Lectureship, the Kellogg Prize for International Nutrition Research and the Conrad A. Elvehjem Award for Public Service in Nutrition from the American Society for Nutrition. Currently she is Vice President of the International Union of Nutritional Sciences.



**Gerard Barry**

Dr. Gerard Barry joined the International Rice Research Institute ([www.irri.org](http://www.irri.org)) in November 2003 as the Coordinator of the Golden Rice Network ([www.irri.org/goldenrice](http://www.irri.org/goldenrice)), and is also the HarvestPlus Rice Crop Team Leader ([www.harvestplus.org](http://www.harvestplus.org)). In addition, Gerard serves as the Global Product Coordination for the Global Rice Science Partnership (GRiSP) “Healthier Rice Varieties” products ([www.grisp.net/main/summary](http://www.grisp.net/main/summary)).

Prior to joining IRRI, Dr. Barry spent more than 20 years with Monsanto Company in St. Louis, USA, where he had various responsibilities, including co-head of the Rice Business Team, head of the Rice Genome and Rice Genomics projects, and Director of Research for developing country research cooperation.

He received B.Sc. and M.Sc. degrees from University College, Cork, Ireland, and his Ph.D. from Columbia University in New York, and he was formerly Charge de Recherche at the Institut Pasteur in Paris.

Dr. Barry is co-inventor on 20 patents and co-author of more than 50 research articles.



**H. Tanju Besler**

Professor Besler became Dean of the Faculty of Health Sciences at Hacettepe University in November 2011. Prior to taking up this post, he enjoyed a multi-faceted career as an academic, consultant and entrepreneur. From 1997-2012, he was served as Chair of the Nutrition and Dietetics Department at the University. His research has appeared in leading journals, among them Nutritional Neuroscience, Journal of Nutrition Education and Behaviour, Journal of Allergy and Clinical Immunology, Allergy, Clinical Nutrition, Nutrition in Clinical Practice, Asian Pacific Journal of Cancer Prevention, International Journal of Vitamin and Nutrition Research. He has still held academic posts at the University of Hacettepe, Turkey. Professor Besler holds a B.S., MSc in Nutrition and Dietetics from Hacettepe University, and a Ph.D. in Human Nutrition from the University of Southampton, UK. He has also held executive post in the National Food Codex Committee since 2007. He is also one of the coordinators of National Health and Food Survey conducted in 2010 by Ministry of Health.



**Zulfiqar A. Bhutta**

Dr. Zulfiqar A. Bhutta is the Noordin Noormahomed Sheriif Endowed Professor and Founding Chair of the Division of Women and Child Health, Aga Khan University, Karachi, Pakistan. He also holds adjunct professorships at several leading Universities globally including the Schools of Public Health at Johns Hopkins (Baltimore), Harvard School of Public Health, Tuft University (Boston), University of Alberta, Sick Kids Toronto as well as the London School of Hygiene & Tropical Medicine. He is a designated Distinguished National Professor of the Government of Pakistan and also the Chairman of the National Research Ethics Committee of the Government of Pakistan. Dr. Bhutta is one of the seven member Independent Expert Review Group set by the UN Secretary General in September 2011 for monitoring global progress in maternal and child health MDGs. He has recently been appointed to the Global Alliance for Vaccines and Immunizations (GAVI) Board as the representative from global academic research organizations.

Professor Bhutta was educated at the University of Peshawar (MBBS) and obtained his Ph.D. from the Karolinska Institute, Sweden. He is a Fellow of the Royal College of Physicians (Edinburgh & London), the Royal College of Paediatrics and Child Health (London), American Academy of Pediatrics and the Pakistan Academy of Sciences. He has been associated with the Aga Khan University since 1986 and heads a large research team working on issues of maternal, newborn and child survival and nutrition globally and regionally. Dr. Bhutta has served as a member of the Global Advisory Committee for Health Research for the World Health Organization, the Board of Child & Health and Nutrition Initiative of Global Forum for Health Research, and the steering committees of the International Zinc and Vitamin A Nutrition Consultative Groups. He is an executive committee member of the International Paediatric Association and was a founding Board member of the Global Partnership for Maternal, Newborn and Child Health (PMNCH). He serves on the governing council for the World Alliance for Patient Safety Research and is a Board member of the International Center for Diarrheal Diseases Research. Dr. Bhutta is currently a member of the WHO Strategic Advisory Committee for Vaccines (SAGE), the Expert Advisory Group for Vaccine Research, the Advisory Committee for Health Research of WHO EMRO, and a co-chair of its apex Regional Committee for Maternal and Child Health. He is the past-President of the Commonwealth Association of Paediatric Gastroenterology and Nutrition (CAPGAN) and the Federation of Asia-Oceania Perinatal Societies (FAOPS) and a leading voice for integrated maternal, newborn and child health globally.

Dr. Bhutta is on several international editorial advisory boards including the Lancet, BMJ, PLoS Medicine, PLoS ONE, BMC Public Health and the Cochrane ARI group. He has published four books, 55 book chapters, and over 400 indexed publications to date. He has been a leading member of recent major Lancet series on Child Survival (2003), Newborn Survival (2005), Undernutrition (2008), Primary Care (2008) and the recent series on Stillbirths (2011). He has won several awards, including the Tamgha-i-Imtiaz (Medal of Excellence) by the President of Pakistan for contributions towards education and research (2000), the President of Pakistan Gold Medal for contributions to Child Health in Pakistan (2004) and the Outstanding Pediatrician of Asia award by the Asia Pacific Pediatric Association (2006). He is the first recipient of the Aga Khan University Distinguished Faculty Award for Research (2005) and Award of Distinction (2012). Dr. Bhutta was awarded the inaugural Global Child Health award (2009) by the Program for Global Pediatric Research for outstanding contributions to Global Child Health and Research and the Kenneth Warren prize for the best systematic review of community based interventions by the Cochrane collaboration in 2011. Dr. Bhutta was awarded the Global Advocacy Prize by the Royal College of Paediatrics & Child Health in 2012.



**Hans Konrad Biesalski**

Prof. Dr. med. H. K. Biesalski is currently heading the Institute of Biological Chemistry and Nutrition at University of Hohenheim in Stuttgart, Germany. After his studies of Physics at University of Mainz (1971-1974) and his appointment as Research Assistant at the Institute of Physiology, Division of Physics, in 1979, he graduated in 1981 with an MD thesis about "Progressive Hearing Disorders in Childhood". After several years' activity as Assistant Professor, he obtained his habilitation in 1987 with the thesis "Vitamin A and Inner Ear. Development and Application of Biochemical and Electrophysiological Studies". In 1993, he was appointed Associated Professor, then full C4-Professor at the Institute of Biological Chemistry and Nutrition at 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. Since 1993, his research activities have concentrated on antioxidants and vitamins in basic and applied research on reactive oxygen species and their role in human nutrition. He is holder of several patents and has founded a biotech company (BioTeSys GmbH) in Esslingen, Germany, in 2000, which develops cell and organ culture models to test biological compounds and also carries out clinical studies.

Prof. Dr. Biesalski is a member of the Executive Boards and Scientific Advisory Boards of the most important German health societies and academies and a member of the Scientific Advisory Board of the US Pharmacopoeia. He is also a board member of several scientific journals and a member of different international societies and vitamin consultative groups. 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 has published more than 330 peer-reviewed papers in the most prestigious scientific journals dealing with nutrition, vitamins and nutrition medicine. Recent focus: development of different formulations for "Nutritargeting". Professor Biesalski has given lectures in nutrition physiology and nutrition medicine in European Medical Schools. He has chaired several international conferences (amongst others the WHO Conference on Nutrition and Cancer in 1997 and the First Congress Nutrition Teams).



**Stephan C. Bischoff**

Executive Director of the Institute for Nutritional Medicine at the University of Hohenheim and Deputy Medical Director of the Center of Nutritional Medicine of the Universities of Hohenheim and Tübingen (ZEM).

Officer Scientific Committee of the European Society of Parenteral and Enteral Nutrition (ESPEN).

Medical Director of the Center of Nutritional Medicine of the Universities of Hohenheim and Tübingen (ZEM), member of scientific advisory board of the German Society of Nutrition (DGE) Baden-Württemberg, foundation member of the German Society of Mucosal Immunology and Microbiome (DGMIM), foundation member of the European Mast Cell and Basophil Research Network (EMBRN), speaker of the scientific advisory board of the Max Rubner-Institute (MRI) in Karlsruhe, member of the Health Panel Baden-Württemberg, editorial board "Allergologie", "International Allergology", "Clinical Immunology", "European Journal of Clinical Nutrition" and "Clinical Nutrition".

Editor of the Journal „Aktuelle Ernährungsmedizin“; President of the DGEM.

Clinical-scientific core areas:

Obesity and obesity associated diseases; Gastrointestinal barrier, mucosal immunology & neurogastroenterology; Probiotics and functional food; Mast cell research, Food allergy and intolerance



**Howarth Bouis**

Dr. Howarth Bouis directs a global research program that develops and disseminates nutrient-rich staple food crops to reduce Hidden Hunger globally. Since 1993, he has sought to promote biofortification within the CGIAR, among national agricultural research centers, and in the human nutrition community. His past research focused on understanding how economic factors affect food demand and nutrition outcomes, particularly in Asia. 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. He holds a joint appointment at the International Food Policy Research Institute (Washington, D.C.) and the International Center for Tropical Agriculture (CIAT) (Cali, Colombia).



**Tommy Cederholm**

Tommy Cederholm is Professor of Clinical Nutrition at Uppsala University since 2005 and Senior Consultant in Geriatric Medicine at the Uppsala University Hospital, Sweden. His research field relates to energy, fat and protein interactions with catabolism, inflammation and nutritional status in elderly, chronically ill and demented subjects. He started his career in Internal Medicine 1980, but has since 1995 worked as a senior consultant in Geriatrics. His research sums up to 130 peer-reviewed articles, 60 other articles and book-chapters, 170 international abstract presentations and 10 finalized PhD student supervisions. Since Sept 2012 he serves as the treasurer of ESPEN. He was in the organizing committee of the ESPEN Congress in Stockholm 1999, was the chairman of the Swedish branch of ESPEN (SWESPEN) 2005-2012, the Scientific Chair for the 2011 ESPEN Congress in Gothenberg, Sweden, and serves on the editorial boards of many international nutrition and geriatric journals. Nationally he serves as an expert for the National Food Administration as well as for the National Board of Health and Welfare. He is member of The Swedish Royal Academy of Science, as well as of the Swedish Royal Academy of Agriculture and Forestry.



**Parul Christian**

Professor, Dept. of International Health, Coordinator for Academic Programs, Program in Human Nutrition, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD.

#### OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS

Advisory Board, Thrasher Research Fund.

Counselor (elected), International Nutrition Council, American Society of Nutrition.

Advisory Group, NY Academy of Sciences and Sackler Institute, for focus area #2b:

Unresolved issues of nutrition in the life cycle.

Associate Editor, BMC, Pregnancy; Associate Editor, Journal of Nutrition and Metabolism;

NIH Peer Review Committee: Iron and Malaria, ad hoc reviewer.

#### HONORS

Alumni Achievement Award, M.S. University of Baroda, Foods and Nutrition Department, India.

Pollin Research Fellow (recognition)

Delta Omega Honorary Society of the Johns Hopkins School of Hygiene and Public Health

The Johns Hopkins School of Hygiene and Public Health, Harry D. Kruse award

The American Institute of Nutrition, Society for International Nutrition Research - Student prize

#### RESEARCH BACKGROUND AND INTERESTS

For over 15 years my research has focused on the role of nutrition, specifically micronutrient deficiencies, in influencing maternal, infant and child survival, health, and development in the developing world. I have worked in South Asia in India, Nepal, Bangladesh and Pakistan during this time. In India my research was related to evaluating the impact of a large integrated nutrition program. Subsequently, my research, carried out in Nepal, and Bangladesh has been related to the role of micronutrient supplementation during pregnancy in reducing low birth weight and mortality. In Nepal I lead a project which evaluated the impact of iron and zinc supplementation to children either in utero or in young preschool on cognitive function during school age. Currently, I am PI of a trial in Bangladesh, which aims to test the efficacy of complementary food supplementation in improving child growth and reducing stunting. I have also conducted prospective cohort studies to examine the long term impact of micronutrient interventions on early biomarkers of chronic diseases in rural Nepal. As part of the Child Health Epidemiologic Reference Group I am involved in estimating the contribution of fetal growth restriction to childhood undernutrition. Future research will involve evaluating the impact of two large nutrition programs in Malawi and Mozambique.



**John E. Courtney**

ASN's Executive Officer interacts with the elected Officers of the Society in order to manage the business affairs of the Society and the scientific journals, maintain a relationship with the Federation of American Societies for Experimental Biology (FASEB), coordinate public affairs activities, and provide support for the selection and scheduling of the scientific program at the annual meeting (Experimental Biology). During his tenure as the Chief Executive, Courtney has developed innovative programs in education & professional development, launched new nutrition publications and expanded activities and services to 72 countries around the world. During this unprecedented level of growth for the society, ASN revenue has more than doubled, membership has increased by over 90%, and ASN has become a central resource where policymakers, government funders and thought leaders go to get the latest information on nutrition research and practice. ASN publishes the number one and number two ranked journals in the field, holds the largest nutrition science annual meeting in world, and is a leader in nutrition public policy and advocacy.

Dr. Courtney also serves on the Board of Directors and Treasurer of US Pharmacopeia, the world's largest pharmaceutical standards setting organization that seeks to improve the health of people around the world through public standards and related programs that help to ensure the quality, safety and benefit of medicines and food.

Prior to his current position at ASN, Dr. Courtney was the President and Chief Executive Officer of the Clinical Research Forum and the Clinical Research Foundation. The Clinical Research Forum was formed in 1996 to discuss the unique and complex challenges to clinical research in academic health centers.

Dr. Courtney previously held the position of Chief Staff Officer/Chief Financial and Administrative Officer with the American Diabetes Association and related affiliates The American Diabetes Association Research Foundation, The American Diabetes Advocacy Association, and the American Diabetes Association Property Title Holding Company.

Dr. Courtney also has exceptional leadership experience in the university arena where he was a leader at The American University and where he also completed his Ph.D. program. Dr. Courtney also serves on the faculty of The University of Maryland, University College where he teaches business classes, serves as peer reviewer, mentors new faculty, and developed the curriculum for one of the first web based courses offered in the United States.

Dr. Courtney holds a Ph.D. in Educational Administration from The American University where his academic study included strategy development and implementation and continuous quality improvement. He also holds a Masters Degree in Business from Hood College. He is a frequent presenter at conferences and trade meetings and has led seminars on Non-Profit Governance and Strategic Planning.



**Adam Drewnowski**

Dr. Adam Drewnowski is the Director of the Center for Public Health Nutrition and Professor of Epidemiology at the School of Public Health, University of Washington. He is also the Director of the UW Center for Obesity Research, which addresses the environmental, social and economic aspects of the obesity epidemic. Dr. Drewnowski is Adjunct Professor of Medicine and joint Member of the Fred Hutchinson Cancer Research Center in Seattle.

Dr. Drewnowski obtained his MA degree in biochemistry at Balliol College, Oxford, and PhD degree in psychology at The Rockefeller University in New York. His studies on hunger, appetite, and satiety have helped the food industry develop innovative foods and beverages for better weight and health. Dr. Drewnowski is the author of the Nutrient Rich Foods Index, which helps consumers to identify affordable healthy foods. His Seattle Obesity Study (S.O.S.), funded by the National Institutes of Health, examines links between obesity and social disparities, diet quality, and diet cost. Dr. Drewnowski is the 2012 winner of the Prix Benjamin Delessert; public trustee of ILSI North America and ILSI Global, and board member of the ILSI Research Foundation. He is a member of the Standing Committee to Prevent Childhood Obesity of the Institute of Medicine, National Academy of Sciences.



**Ursula Eid**

Dr. Ursula Eid has a master degree in Home Economics based on her studies at the Universities in Stuttgart-Hohenheim, Germany and Wageningen, The Netherlands. She finalized her Ph.D. at Hohenheim University. As a post graduate student she spent one year at Oregon State University, USA. She was teaching and researching at the Department of Household and Consumer Economics in Hohenheim and worked three years in Eritrea, East-Africa, on behalf of German Development Cooperation.

For 20 years she was Member of the German Parliament for the Green Party and served for 7 years as Deputy Minister for Economic Cooperation and Development and for 5 years as Personal Advisor on African Affairs to the German Chancellor.

Currently she is Vice-President of the German Africa Foundation, member of the German National Council for Sustainable Development, member of the Council of the University of Hohenheim and Vice – Chair of the UN Secretary General's Advisory Board on Water & Sanitation (UNSGAB) <http://www.unsgab.org/member.html>

Since 2011 she is Honorary Professor at the University of Applied Sciences in Osnabrück in the field of Sustainable Resource Management with special focus on Water management and Sanitation.



**Hanns-Christoph Eiden**

#### PRESENT EMPLOYMENT

Co-Facilitator of the Donor Network of the Scaling-Up-Nutrition-Initiative

President of the Federal Office for Agriculture and Food

Former Employments

Head of the “EU Affairs and International Relations” sub-division

Head of the “EU Budget, Agricultural Funding, Administration and Control System” Section (Departments 615 and 616)



Head of the “EU Budget, Agricultural Funding, Administration and Control System” Dept.  
 Head of the Department of “Market Structure, State Aid and Sales Promotion”  
 Head of the Cabinet, Parliament and Protocol Matters Department  
 Personal Consultant of Federal Minister Borchert  
 Personal Consultant of Federal Minister Kiechle  
 National Expert at Directorate General for Agriculture of the EU Commission  
 (Quality Policy, Reunification)  
 Consultant in the Department of Dairy Industry Affairs  
 (EU Market Regulations and Food Legislation Issues)  
 Entry into the Federal Ministry of Food, Agriculture and Forestry



**Andreas Fangmeier**

#### SCIENTIFIC EMPLOYMENT

Professor of Plant Ecology and Ecotoxicology,  
 Institute of Landscape and Plant Ecology, Universität Hohenheim, Germany

#### RESEARCH ACTIVITIES

Current work is focussed on these areas:

- Crop physiology (with focus on ecophysiology, growth, yield formation, senescence)
- Climate change impact research (with focus on responses of terrestrial ecosystems and agroecosystems to climatic change, in particular atmospheric CO<sub>2</sub> enrichment, alone and in combination with other environmental stresses and resources)
- Carbon cycling in ecosystems (with focus on involving stable carbon isotopes)
- Nitrogen cycling in ecosystems  
 (with focus on atmospheric nitrogen deposition and its effects)
- Biomonitoring and bioindication of anthropogenic pollution and stress, in particular air pollution

Presently ongoing major projects from external funding:

- Senescence and nitrogen remobilization at plant level as affected by carbon and nitrogen source variation (Research Unit 948 of the DFG, see <http://dfg-for948.ipk-gatersleben.de/> for further information)

- Effects of climate change on yield and yield quality of selected crops – understanding the mechanistic background of CO<sub>2</sub>, heat and drought effects on wheat Yield and quality of crops for food and feed as affected by regional climate change (Research Unit 1695 of the DFG, see <https://klimawandel.uni-hohenheim.de/> for further information)
- Modeling Material Flows and Production Systems for Sustainable Resource Use in Intensified Crop Production in the North China Plain (International Research Training Group 1070 of the DFG, Subproject 1.3, see <https://rtgchina.uni-hohenheim.de/> for further information)
- Reaction of energy plants to climate change: increasing temperature, reduced precipitation and CO<sub>2</sub> “fertilization” (Fachagentur Nachwachsende Rohstoffe / BMLEV)

#### PUBLICATIONS

Up to now, Fangmeier has published c. 100 papers in international peer-reviewed Journals. For a list of current publications, please visit <https://ecology.uni-hohenheim.de/65601.html?typos3state=allPublications&person=3088>



**Charles Godfray**

Charles Godfray is a population biologist whose research includes experimental and modelling studies of many different organisms including crop pests and the insect vectors of human disease. He has been Hope Professor in the Zoology Department at Oxford University since 2006 and before that spent 20 year at Imperial College London, latterly as Director of the NERC Centre for Population Biology. He was elected a Fellow of the Royal Society in 2001, made a CBE in 2010, is an honorary research fellow at the Natural History Museum and at Rothamsted Research, and is a member of the Natural Environment Research Council. He was President of the British Ecological Society between 2009 and 2011 and has been a Trustee of the Royal Botanic Gardens at Kew. He chaired the Lead Expert Group of the UK Government's Foresight project on the Future of Food and Farming which reported in Jan 2011, is a member of the Strategy Advisory Board for the UK research council's Global Food Security Programme, and directs the Oxford Martin Programme for the Future of Food at Oxford University.





**Harald Grethe**

#### EDUCATION

Habilitation in agricultural economics at Humboldt University of Berlin. Title of thesis: Auswirkungen von Außenhandelspolitiken der EU gegenüber Entwicklungsländern und Abbildung von Politiken und Märkten in Gleichgewichtsmodellen.

Dr. sc. agr. (international equivalent: Ph.D.) from Georg-August-University Göttingen. Topic of dissertation: Effects of Including Agricultural Products in the Customs Union between Turkey and the EU – A Partial Equilibrium Analysis for Turkey. First supervisor Prof. Dr. S. Tangermann, second supervisor Prof. Dr. S. v. Cramon-Taubadel. Grade “very good”.

Study of agricultural sciences at the Georg-August-University Göttingen. Specialisation in agricultural economics. Topic of diploma thesis: Agriculture in the New Euro-Mediterranean Agreements – an Analysis of Trade Preferences. Grade “very good”. Final degree Dipl.-Ing. agr. (international equivalent: M.Sc.), grade “very good”.

#### CURRENT POSITION

Professor of Agricultural and Food Policy, Universität Hohenheim.

#### POLICY CONSULTANCIES

Member of the Bioeconomy Strategy Group at the Ministry of Science, Research and the Arts Baden-Württemberg. Speaker of the Economics and Social Sciences cluster.

Chair of the Scientific Advisory Board on Agricultural Policy at the Federal Ministry of Food, Agriculture and Consumer Protection, Germany (member since 02/2012).

Founding member of the consortium “Expert Network for Agro-Economic Modelling” (ENgA-GE) (consortium with University of Hohenheim, Stuttgart; LEI, the Hague; VTI, Brunswick and Eurocare, Bonn).

Member of the iMAP Modelling Reference Group at the Institute of Prospective Technology Studies (IPTS) of the European Commission



**John Hoddinott**

John Hoddinott is a Deputy Division Director at the International Food Policy Research Institute, Washington DC. He has more than 90 refereed publications, including articles in economics journals (Economic Journal, Oxford Economic Papers, Journal of Development Economics), medicine (the Lancet) and nutrition (American Journal of Clinical Nutrition, Journal of Nutrition) that include studies of the long-term consequences of early childhood malnutrition, the causes of poverty and food insecurity, and the evaluation of interventions designed to reduce poverty and undernutrition in developing countries. Born in Canada, he has a BA in Economics from the University of Toronto and a doctorate in economics from the University of Oxford.



**John Humphrey**

John Humphrey is a Professorial Fellow at the Institute of Development Studies (IDS) in Brighton, in the UK. He was one of the originators of global value chain theory and a founder of the global value chain initiative. He has researched and published extensively on global value chains, contributing both theoretical papers and the analysis, with particular attention paid to the global food industry, with a particular focus in recent years on value chains and food standards. He has provided consultancy services to a broad range of international organisations on value chain issue.

More recently, John Humphrey has been applying value chain expertise and perspectives to the challenges of issue of linking agriculture and nutrition provided. He has provided services to USAID and to the UK Department for International Development, and has been working with the Global Alliance for Improved Nutrition (GAIN) to develop value chain approaches to promoting agriculture-nutrition linkages.

#### EMPLOYMENT

Professorial Fellow, Institute of Development Studies, University of Sussex.



**Timothy Allan Johns**

Professor of Human Nutrition, School of Dietetics and Human Nutrition, McGill University, Ste. Anne de Bellevue, Canada.

#### PROFESSIONAL EMPLOYMENT

Director of Canadian Field Studies in Africa (CFSIA)  
Professor of School of Dietetics & Human Nutrition  
Honorary Research Fellow of Bioversity International (formerly International Plant Genetic Resource Institute (IPGRI))

#### PROFESSIONAL AWARDS/FELLOWSHIPS/DISTINCTIONS

University Research Fellowship, NSERC  
Distinguished Dissertation Award, Council of Graduate Schools/  
University Microfilms International  
Edmund H. Fulling Award, Society for Economic Botany  
Postdoctoral Fellowship, NSERC  
Rackham Predoctoral Fellowship, U. of Michigan  
Postgraduate Fellowship, NSERC  
Dean's Honour List, McMaster University



**Eileen Kennedy**

Dr. Kennedy is Professor of Nutrition and Former Dean of the Friedman School of Nutrition Science and Policy at Tufts University. Prior to this, Dr. Kennedy was Adjunct Professor, Columbia University, Mailman School of Public Health. From 1994 to 2001 Dr. Kennedy served in senior positions in the Clinton Administration. She was the founding executive director of the USDA, Center for Nutrition Policy and Planning, the organization responsible for the Dietary Guidelines for Americans and the Food Guide Pyramid. Dr. Kennedy was also Deputy Under Secretary for Research, Education and Economics. In that capacity she was responsible for overseeing the four technical agencies in USDA with budgets of \$2.2 billion.

Dr. Kennedy has served on the United Nations' Advisory Group on Nutrition, the White House Biotechnology Council, IOM, Board on Global Health and other boards. She was the co-chair with the U.S. Surgeon General of the National Nutrition Summit. Her research focuses on the effects of governmental and non governmental public health policies and programs on health, nutrition, food security and welfare, with a particular emphasis on women and children.



**Berthold V. Koletzko**

Berthold V. Koletzko is Professor of Paediatrics and Head, Division of Metabolic and Nutritional Medicine at Dr. von Hauner Children's Hospital, University of Munich Medical Centre, München, Germany. He trained at Univ. of Münster Medical School and in paediatric depts. at Baragwanath Hospital, Johannesburg Soweto, South Africa; Detmold Hospital, Germany; Kilimanjaro Christian Medical Centre, Moshi, Tanzania; Univ. of Düsseldorf Children's Hospital, Germany; and Hospital for Sick Children, Univ. of Toronto, Canada. His clinical and research work focusses on metabolism and nutrition in children and their mothers. He published 644 journal articles (10275 times cited, Hirsch index 53), 180 book chapters and 26 books. Bert's scientific leadership roles include President Elect, European Society Paediatric Gastroenterology Hepatology Nutrition (ESPGHAN); Managing Director, Early Nutrition Academy; Chair, Committee on Nutrition, German Soc Paediatrics; Chair, Child Health Foundation; Board of Directors, International Soc Study Fatty Acids Lipids; and Coordinator of several research networks (EU Projects CHOP [FP5], PIANO [FP5], Early Nutrition Programming Project [FP6]; EarlyNutrition Project, 2012-2017 [FP7]; Multidisciplinary Early Modification of Obesity Risk (German Government); Curriculum Health Promotion (German Government), ESPEN Network Project on Malnutrition and Outcome in Hospitalized Children in Europe; Meta-Growth (2013-2017, European Research Council). He is member of the Central Grant Review Board Medicine, German Research Council; Scientific advisor, Forum Early Childhood Education, German Federal Government; Managing Council, National Platform on Nutrition and Physical Activity; Chair of the Scientific Board, National Network for Young Families, German Federal Government; Member, National Breastfeeding Committee; and has advised the Committee Environment, Health & Consumer Protection, EU Parliament; the Scientific Committee on Food, European Commission; the World Health Organisation; and United Nations University. Scientific honors received include Hans Adolf Krebs Award, German Soc Nutrition; Petenyi Geza Award, Hungarian Soc Paediatrics; Corresponding Membership, Swiss Soc Paediatrics;

Honorary Chair, Medical Faculty Free Univ. Brussels; Konstantin Horemis Award, Pan-Hellenic Soc Paediatrics; Honorary Membership, Polish Soc Paediatric Gastroenterology Nutrition; Dr. Sreemanta Banerjee Award, The Bengal Obstetric Gynaec Soc; Freedom to Discover Award, Bristol Myers Squibb Foundation; Honorary Medal, Children's Memorial Institute, Warsaw; Infant and Toddler Nutrition Research Award, ESPGHAN; Rank Lecture Award, The Nutrition Society; and Arved Wretling Lecture Award, ESPEN.



**Michael B. Krawinkel**

German citizen, married, two children, based in Frankfurt, Germany. Permanent professor of human nutrition with focus on international nutrition and pediatrics, Justus-Liebig-university, Giessen. Visiting professor of the universities of Vienna and the Hebrew university of Jerusalem, Rehovot, Israel.

Advisor and consultant for German Federal Ministry of economic cooperation and development (BMZ), German Federal Ministry of Nutrition, Agriculture and Consumer Protection (BMELV), German Kreditanstalt fuer Wiederaufbau, KfW Entwicklungsbank, German Agency for technical (now: international) Cooperation (GTZ (now: GIZ)), German Agro Action, World Health Organization (WHO), Geneva, and Food and Agriculture Organisation (FAO), Rome. Recent publications on breastfeeding, diversity of diets, bioactive components of vegetables. Ongoing research on bitter melon (with AVRDC/Taiwan), complementary feeding of infants (with FAO, University of Malawi and Mahidol University, Thailand).



**Mathias Mogge**

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 14 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.



**David Nabarro**

David Nabarro trained as medical doctor, worked for six years in South Asia, East Africa and Iraq and taught for six years at the London and Liverpool Schools of Tropical Medicine.

In 1990 he served as Chief Health and Population Adviser in UK Overseas Development Administration (ODA) then in 1997 he became Director for Human Development in the UK Government's Department for International Development (DFID).

In 1999 joined the World Health Organization (WHO) to lead Roll Back Malaria: he moved to Health Action in Crises in 2002.

In September 2005 he joined the UN Secretary-General as Senior Coordinator for Avian and Pandemic Influenza. In January 2009 he also became Coordinator of the UN system's High Level Task Force on Global Food Security; in October 2009 he was nominated as the Secretary General's Special Representative for Food Security and Nutrition and – in December 2011 – he was appointed Coordinator of the Scale Up Nutrition (SUN) Movement.



**Matin Qaim**

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.



**A. Catharine Ross**

Catharine Ross received her undergraduate education at the University of California at Davis (B.S., zoology, 1970) graduate training at Cornell University, Ithaca, NY (M.N.S., 1972, in nutrition and Ph.D., 1976, in Biochemistry, Molecular & Cell Biology), and postdoctoral training in the Department of Medicine, Columbia University, 1976-78. Currently, she is Professor of Nutrition and occupant of the Dorothy Foehr Huck Chair in the Department of Nutritional Sciences, Pennsylvania State University, University Park, PA.

Dr. Ross has received recognition from professional societies, including: The Osborne and Mendel Award from the American Society for Nutritional Sciences, 2001; National Academy of Sciences, 2003; Fellow, American Association for the Advancement of Science, 2003. She has served on scientific review panels and editorial committees including NIH study sections, the Food and Nutrition Board, Institute of Medicine. She is senior editor of the textbook "Modern Nutrition in Health and Disease" and serves as editor-in-chief of The Journal of Nutrition. She chaired the Institute of Medicine 2011 Committee on Dietary Reference Intakes for Calcium and Vitamin D. In 2012, she received the Outstanding Investigator award from the American Society for Nutrition Nutrient-Gene Interaction Research Interest Group.

She has conducted research in the area of retinoid metabolism and homeostasis since the mid-1970s, and in the area of vitamin A/retinoids as regulators of immune function since the late 1980s. She has published over 190 papers, reviews and book chapters, mostly focused on the biochemistry of vitamin A and other lipids.



**Kripa Raghavan**

Kripa Raghavan is a Project Manager at NICHD/NIH. In this role Ms. Kripa manages the Biomarkers of Nutrition for Development (BOND) project, designed to harmonize the selection, use and interpretation of nutritional biomarkers, and B-24 project, designed to evaluate the evidence base to support the inclusion of infants and children from birth to 24 months of age in the Dietary Guidelines for Americans. Ms. Kripa received her Master's in Nutrition from the University of Madras, India and Master of Public Health from Johns Hopkins Bloomberg School of Public Health. Her research interests includes, micronutrient deficiencies in developing countries, nutritional biomarkers, nutritional transitions in developing countries and maternal nutritional status and its impact on infant's short-term and long-term outcomes. She has worked in India and has conducted nutritional assessment studies in rural, tribal and under-privileged communities.



**Daniel J. Raiten**

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) National Institutes of Health (NIH).

Educated in history and political science, Dr. Raiten received his doctorate in Human Nutrition from Penn State University and followed that with a postdoctoral fellowship at the Child Study Center of Yale University Medical School.

Dr. Raiten is the program official for the nutrition portfolio within the Pediatric Growth and Nutrition Branch (PGNB)/of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) of the National Institutes of Health (NIH). In addition to his role as program officer he is the project leader for two NICHD project funded jointly by NICHD, the Bill and Melinda Gates Foundation and members of the global food and nutrition community: 1) iron and malaria project: to address factors affecting the safety and effectiveness of iron interventions for prevention and treatment of iron deficiency; 2) Biomarkers of Nutrition for Development (BOND); designed to support discovery, development and implementation of nutrient specific biomarkers across the range of uses represented by the global food and nutrition enterprise. He has also recently assumed the role of project leader and Secretariat for a USDA/DHHS effort to explore the evidence to include infants and children from birth to 24 months in future iterations of the Dietary Guidelines for Americans.

Other responsibilities include serving as the Secretariat for two bilateral programs between US and India; one on Contraception and Reproductive Health Research (CRHR) and the other on Maternal and Child Health and Human Development Research (MCHDR). Dr. Raiten also serves on numerous domestic and international committees including service as a member of the WHO Nutrition Guidelines Advisory Group (NUGAG).



**Marie T. Ruel**

Marie T. Ruel is Director of the Poverty, Health, and Nutrition Division at the International Food Policy Research Institute. She has worked for more than 25 years on policies and programs to alleviate poverty and malnutrition in developing countries. Her current research focuses on the evaluation and strengthening of a wide range of integrated, multi-sectoral development programs in the area of social protection and agriculture and at building the evidence on their role in reducing maternal and child malnutrition globally. She has served on various international expert committees, such as the National Academy of Sciences, the International Zinc in Nutrition Consultative Group, and the Society for International Nutrition Research. She recently led the development of a large CGIAR program on Agriculture for Improved Nutrition and Health. Before joining IFPRI in 1996, she was head of the Nutrition and Health Division of the Institute of Nutrition of Central America and Panama/Pan American Health Organization in Guatemala. She earned her PhD in international nutrition at Cornell University.



**Elina Cornelia Johanna Rouw**

#### PROFESSIONAL EDUCATION

Specialization: Child Health Care Physician  
Medical degree, equivalent of American MD  
Medical School, Free University Amsterdam, Netherlands  
Secondary School 's Gravenhage, Netherlands

#### PROFESSIONAL BREASTFEEDING EDUCATION

Attendance conferences Academy Breastfeeding Medicine: Washington, Chicago, Denver, Niagara Falls, Göppingen (regional meeting), Vienna (regional meeting), Dearborn  
Attendance scientific conferences ILCA/VELB, AZLS: Friedrichshafen, Innsbruck, Basel, Minden, Maastricht, Vienna, Berlin  
Attendance scientific conferences mother support group "Arbeitsgemeinschaft Freier Stillgruppen" Köln and "Vereniging Borstvoeding Natuurlijk" Wageningen/Utrecht  
Course Teacher Breastfeeding education for health care workers Zeist, Netherlands

#### PROFESSIONAL EXPERIENCE

Private Practice Physician Mother and Child Health Care, practicing Dutch model in German health care system  
Board of Directors Academy of Breastfeeding Medicine  
Member of the German National Breastfeeding Committee



**Alfred Sommer**

Dr. Sommer is an inaugural Johns Hopkins University Gilman Scholar, a Johns Hopkins University Distinguished Service Professor, and Dean Emeritus of the Johns Hopkins Bloomberg School of Public Health. He is a Professor of Epidemiology and International Health at the Johns Hopkins Bloomberg School of Public Health and Professor of Ophthalmology at the Johns Hopkins University School of Medicine. He served as Dean of the Bloomberg School from 1990-2005.



Sommer has published 5 books and over 300 scientific articles and has chaired scientific and advisory committees of the National Institutes of Health, the World Health Organization, UNICEF, the Micronutrient Forum (formerly the International Vitamin A Consultative Group), the Edna McConnell Clark Foundation, the American Academy of Ophthalmology, and the World Economic Forum.

He has received numerous awards, including the Albert Lasker Award for Clinical Research; the Pollin Prize for Pediatric Research; the Helmut Horten Medical Research Award; the Charles A. Dana Award for Pioneering Achievements in Health; the Prince Mahidol Award (from His Majesty the King of Thailand); the Warren Alpert Foundation Prize; the Joseph E. Smadel Award of the Infectious Diseases Society of America; the Danone International Prize for Nutrition; the Lucien Howe Medal of the American Ophthalmological Society; the Bristol-Meyers Squibb/Mead Johnson Award for Distinguished Achievement in Nutrition Research; and the Duke Elder International Gold Medal for Contributions to Ophthalmology.

He has delivered over 30 named lectureships, including the Jackson Memorial Lecture (American Academy of Ophthalmology), Duke Elder Oration (Royal College of Ophthalmologists), De Schweinitz Lecture (College of Physicians, Philadelphia), Dohlman Lecture (Harvard Medical School), Doyne Lecture (Oxford Ophthalmologic Congress), and the Kimura Lecture (University of California, San Francisco), among others.

Sommer is a member of both the National Academy of Sciences and the Institute of Medicine, is Past President of the Association of Schools of Public Health, is Chair of the Board of the Albert and Mary Lasker Foundation, and holds the 19th Chair of the Academia Ophthalmologica Internationalis. He is a corporate Director of Becton Dickinson and of T. Rowe Price.



**Brian Thompson**

#### CAREER HIGHLIGHTS

Brian Thompson is a nutritionist with over 30 years of international development experience related to agriculture, fisheries, forestry, food aid, nutrition, health and rural development. He currently is coordinator of FAO's Secretariat for the preparations for and the organization of the International Conference on Nutrition twenty years later (ICN+21). He is also Senior Nutrition Officer for nutrition security and policy in the Nutrition Division of FAO and Co-Team Leader for Strategic Objective H "Improving food security and better nutrition". He holds a

B.Sc. honours degree in Human Physiology from the University of London and an M.Sc. in Human Nutrition from the London School of Hygiene and Tropical Medicine, UK. In 2010-12 he participated in FAO's intensive Management Development programme receiving one-on-one coaching aimed at enhancing management and leadership skills, particularly in the area of inspiring and motivating others to encourage excellent team performance.

#### PRESENT EMPLOYMENT

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, Rome, Italy  
Nutrition Officer (P5) currently is coordinator of FAO's Secretariat for the preparations for and the organization of the International Conference on Nutrition twenty years later (ICN+21). Head of the Nutrition Security and Policy Group dealing with food and nutrition policies and programmes, household food security and community nutrition, micronutrient malnutrition and nutrition in emergencies and Co-Team Leader of SO-H. He played a leading role in the development of FAO's policy on nutrition.



**Marc van Ameringen**

Executive Director, Global Alliance for Improved Nutrition.

A Canadian national, Marc Van Ameringen has spent more than twenty years working in the field of international development. He is the Executive Director of the Global Alliance for Improved Nutrition (GAIN), which supports programs aimed at reducing malnutrition through a focus on sustainable, market based solutions which increase access to affordable, nutritious foods for the poor. Under his leadership, GAIN has become a major alliance of business, governments and international organizations working to implement nutrition programs in more than 30 countries at scale. These innovative market-driven programs are improving the lives of over 600 million people, of which more than half are women and children.

Prior to joining GAIN, Marc was Vice President of the Canada-based Micronutrient Initiative (MI) where he was responsible for coordination, planning and management of programs. Before this, he was Special Advisor to the G8 Summit within the Canadian Government's Department of Foreign Affairs and International Trade, assisting the G8 in responding to the New Partnership for Africa's Development (NEPAD) initiative. From 1992 to 2002, Marc was a Director based in Africa for the International Development Research Centre (IDRC).



Marc has served on several World Economic Forum Councils including the Council on Global Food Security and the Global Agenda Council on Nutrition. He is a past member of the steering committee of the Scaling Up Nutrition (SUN) Movement and has held several Board positions of development institutions.



**Joachim von Braun**

Joachim von Braun is Director of the Center for Development Research (ZEF), Bonn University, and Professor for economic and technological change. He was Director General of the International Food Policy Research Institute (IFPRI) based in Washington, DC, U.S.A. from 2002 to 2009. von Braun's main research interests are in economic development and policy, food and nutrition security, trade, science and technology policy. He serves on boards of publishers of journals, as well as international advisory bodies of research, corporate, and policy organizations, as well as Councils of the EU and the German Government. He is Vice-President of the NGO "Welthungerhilfe", member of German Academies, Fellow of the American Association for the Advancement of Sciences, and member of the Pontifical Academy of Sciences of the Vatican. He was President of the International Association of Agricultural Economists (IAAE). 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.



**Patrick Webb**

Dean for Academic Affairs, Alexander MacFarlane Professor of Public Policy

#### EXPERTISE

Nutrition policy and interventions; humanitarian action; food systems and value chain analysis; food safety and quality; public-private interactions promoting nutrition.

ExperienceLeadership and management experience at senior levels – in the UN system, as an acting division director at IFPRI, and managing a world-class graduate school in Boston. Over 25 years of global policy-relevant research and teaching. Lived 6 years in Africa (Ethiopia, Niger, The Gambia), and worked extensively across Asia and Latin America. Wide range of high-level interactions with governments, academic institutions and donor organizations globally, including: work at ministerial levels in countries like Indonesia, Vietnam, North Korea, Kenya, Haiti, Nepal, Bangladesh and Ethiopia; negotiating UN positions among the 170+ national and organizational representatives involved in the World Food Summit in 1996; served as a member of the UN Hunger Task Force (2003-2006) reporting to Kofi Annan; oversaw negotiations of 23-country Delhi Declaration (2003) on mother and child nutrition; advising the B&M Gates Foundation on agricultural policy and global nutrition strategies; and serving on multiple governance and advisory boards. In addition to senior management responsibilities at the Friedman School, including direct interaction with Tufts' president and provosts and participation in university-wide senior management committees, Webb oversees formal institutional collaboration with academic institutions across the US (e.g. Harvard, Purdue, Tuskegee, Johns Hopkins), and in other countries around the world (e.g. Hohenheim and Bonn in Germany, University of London, Roma III, as well as Mahidol in Thailand, the Institute of Medicine in Nepal, etc.) Webb's co-authored book on Famine in Africa (Johns Hopkins University Press, 1999) sold out of first edition and went into a second run. Other publications: involvement in 25 books and more than 60 journal articles and 27 significant professional reports.

#### PRESENT EMPLOYMENT

Academic Dean and Professor, Friedman School of Nutrition Science and Policy, also Professor at the Fletcher School of Law and Diplomacy, Tufts.

#### FORMER EMPLOYMENTS

Chief, Nutrition Service, Policy, Strategy and Programme Support  
Division of the World Food Programme of the United Nations (WFP, Rome)  
Program Director, Food Policy Program, Friedman School, Tufts University.  
Visiting Professor – Josef G. Knoll Stiftungsgastprofessor –  
Hohenheim University, Stuttgart (Germany)  
Senior Policy Analyst – UN World Food Programme (WFP), Rome  
Division Director (acting) – the International Food Policy Research Institute (IFPRI)  
Research Fellow – International Food Policy Research Institute (IFPRI)



**Keith P. West**

Keith P. West, Jr., Dr. P.H., R.D. is the inaugural 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. Dr. West has worked in international nutrition for 35 years, concentrating on the prevention of vitamin A and other micronutrient deficiencies and their health consequences in children and women through the conduct of community trials. He has worked extensively in Bangladesh, Nepal and Indonesia where he founded large, population-based nutrition research projects. He earned his Master's and Doctoral Degrees in Public Health at the Johns Hopkins University. Professor West was the 2007 recipient of the American Society of Nutrition's International Nutrition Prize and has published over 170 scientific articles, reviews and chapters, including a book on "Vitamin A Deficiency: Health, Survival, and Vision" he coauthored with Alfred Sommer.



**Volker Wulfmeyer**

#### PROFESSIONAL EXPERIENCE

First representative of the University of Hohenheim elected as member of the Heidelberg Academy of Sciences and Humanities ([www.haw.uni-heidelberg.de](http://www.haw.uni-heidelberg.de))

Scientific Advisory Group of the Global Atmospheric Watch (GAW) Shanghai Urban Research Meteorology and Environment (GURME) program

Scientific Working Group on Meteorology and Measurement Techniques of the Federal Ministry of Transport, Building and Urban Development (BMVBF) inaugurated in connection with volcanic ash emissions

Executive Board of the Competence Center "Water – Earth System Science (WESS)" of the Universities Tübingen, Stuttgart and Hohenheim as well as the Helmholtz Center for Environmental Research (UFZ), Leipzig ([www.wess.info](http://www.wess.info))

Executive Committee of DFG Research Unit 1695 "Structure and Functions of Agricultural Landscapes under Global Climate Change" of the German Research Foundation (DFG) (<https://klimawandel.uni-hohenheim.de/home>)

International Scientific Advisory Board of the Terrestrial Environmental Observatoria TERENO of the Helmholtz Association

WWRP Working Group on Mesoscale Weather Forecasting Research (MWFR)  
Editor-in-Chief of the Meteorologische Zeitschrift, the journal of the Meteorological Societies of Austria, Germany, and Switzerland, Internet: <https://www120.uni-hohenheim.de>

#### MAJOR RESEARCH AREAS

High-resolution weather forecasting and regional climate simulations; soil-vegetation-atmosphere feedback; boundary layer turbulence and transport; initiation of convection; quantitative precipitation forecasting; 3-d, ground-based, scanning lidar temperature, humidity and wind measurements; GPS and radar remote sensing; variational and ensemble-based data assimilation.



**Michael B. Zimmermann**

Michael B. Zimmermann received his M.D. from Vanderbilt University School of Medicine, where he was president of the AOA Medical Honor Society. He did his postgraduate medical training at the University of California in San Francisco, and was a post-doctoral fellow at the University of California at Berkeley, where he received a M.Sc. in Nutritional Science. He is a dual citizen of Switzerland and the USA. He is currently Professor and Head of the Human Nutrition Laboratory in the Department of Health Sciences and Technology, at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland. He is also a Visiting Professor at Wageningen University in the Netherlands, where he holds an endowed Chair in International Health and Micronutrients. Prof. Zimmermann is the Executive Director of the International Council for the Control of the Iodine Deficiency Disorders (ICCIDD) Global Network and Editor of the IDD Newsletter. His research expertise is nutrition and metabolism, including micronutrient deficiencies in developing countries. He has published over 140 peer-reviewed papers, many in the area of iodine and iron deficiency. His research on iodine deficiency has won the Mead Johnson Prize for Nutrition Research, from the American Society for Nutritional Sciences, the Endocrine Society & Pfizer International Award for Excellence in Published Clinical Research in the Journal of Clinical Endocrinology and Metabolism and the International Research Award of the American Society of Endocrinology.

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

### **Allen, Lindsay H.**

University of California,  
Department of Nutrition,  
Davis, USA

### **Andersson, Maria**

Swiss Federal Institute of Technology (ETH)  
Zurich, Department of Health Sciences  
and Technology (D-HEST),  
Zurich, Switzerland

### **Asch, Folkard**

University of Hohenheim,  
Institute of Plant Production and  
Agroecology in the Tropics and Subtropics,  
Stuttgart, Germany

### **Barry, Gerard**

International Rice Research Institute (IRRI),  
Los Baños,  
Laguna, Philippines

### **Berger, Jacques**

Institute of Research for Development (IRD),  
Montpellier, France

### **Besler, H. Tanju**

Hacettepe University Health Science  
Faculty, Nutrition and Dietetics Department,  
Sihhiye/Ankara, Turkey

### **Bhutta, Zulfiqar A.**

AGA KHAN University,  
Karachi, Pakistan

### **Biesalski, Hans K.**

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

### **Birner, Regina**

University of Hohenheim, Institute of  
Agricultural Economics and Social Sciences  
in the Tropics and Subtropics,  
Stuttgart, Germany

### **Bischoff, Stephan C.**

University of Hohenheim,  
Institute of Nutritional Medicine,  
Stuttgart, Germany

### **Blüthner, Andreas**

BASF, Ludwigshafen, Germany

### **Bouis, Howarth**

Harvest Plus, Washington, D.C., USA

### **Boy, Erick**

Harvest Plus, Washington, D.C., USA

### **Cakmak, Ismail**

Sabanci University, Biological Sciences &  
Bioengineering Program, Faculty of  
Engineering & Natural Science,  
Turkey

### **Cederholm, Tommy**

Uppsala University, Sweden

### **Cercamondi, Colin**

Swiss Federal Institute of Technology (ETH)  
Zurich, Switzerland

### **Christian, Parul**

Johns Hopkins' Bloomberg, School of  
Public Health, Center for Human Nutrition,  
Department of International Health,  
Baltimore, USA

### **Christinck, Anja**

Seed4change, Gersfeld, Germany

### **Courtney, John**

American Society for Nutrition (ASN),  
Rockville Pike, USA

### **Dabbert, Stephan**

University of Hohenheim, Rector,  
Stuttgart, Germany

### **De Pee, Saskia**

World Food Programme (WFP),  
Tufts University, Medford, USA

### **Dove, Richard**

World Vision, Milton Keynes, UK

### **Drewnowski, Adam**

University of Washington, Nutritional  
Science, Seattle, USA

### **Eggersdorfer, Manfred**

DSM Nutritional Products,  
Kaiseraugst, Switzerland

### **Eid, Ursula**

Parliamentarian State Secretary (retired),  
Berlin, Germany

### **Eiden, Hanns-Christoph**

Federal Office for Agriculture and Food,  
Bonn, Germany

### **Fangmeier, Andreas**

University of Hohenheim,  
Institute of Landscape and Plant Ecology,  
Stuttgart, Germany

### **Garrett, Greg**

Global Alliance for Improved Nutrition  
(GAIN), Large-Scale Food Fortification,  
Geneva, Switzerland

### **Godfray, Charles**

University of Oxford, Department of Zoology,  
Oxford, United Kingdom

### **Gola, Ute**

Institute for Nutrition and Prevention GmbH,  
Berlin, Germany

### **Graeve, Lutz**

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

### **Grethe, Harald**

University of Hohenheim, Institute of  
Agricultural Policy and Agricultural Markets,  
Stuttgart, Germany

**Grüneberg, Wolfgang**

International Potato Center (CIP),  
Lima, Peru

**Haschke, Ferdinand**

Nestlé Nutrition Institute,  
Vevey, Switzerland

**Heidhues, Franz**

University of Hohenheim, Institute of  
Agricultural Economics and Social Sciences  
in the Tropics and Subtropics,  
Stuttgart, Germany

**Hoddinott, John**

Poverty Health and Nutrition Division,  
International Food Policy Research Institute,  
Washington, USA

**Houghton, Lisa**

University of Otago,  
Department of Human Nutrition,  
New Zealand

**Humphrey, John**

University of Sussex,  
Institute of Development Studies,  
Brighton, UK

**Ignasius Radix A.P. Jati**

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

**Jaenicke, Hannah**

Project Management and Evaluation,  
Grafschaft-Gelsdorf, Germany

**Jallier, Vincent**

Global Alliance for Improved Nutrition  
(GAIN),  
Geneva, Switzerland

**Janssen, Sigrid**

Stiftung Menschen für Menschen,  
Karlheinz Böhm's Äthiopienhilfe,  
Munich, Germany

**Johns, Timothy**

School of Dietetics and Human Nutrition,  
McGill University,  
Quebec, Canada

**Jordan, Irmgard**

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

**Kalandyak, Oleksandra**

SOFT Tulip Foundation,  
Lviv, Ukraine

**Katsvairo, Lister**

Harvest Plus, Rwanda

**Kennedy, Eileen T.**

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

**Koletzko, Berthold**

Dr. v. Hauner Paediatric Hospital,  
University Clinics Munich,  
Munich, Germany

**Krawinkel, Michael B.**

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

**Krämer, Klaus**

Sight and Life,  
Basel, Switzerland

**Lambert, Christine**

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

**Lemma, Ferew**

Office of the Minister,  
Federal Ministry of Health,  
Addis Abeba, Ethiopia

**Lewandowski, Iris**

University of Hohenheim,  
Institute of Crop Science,  
Stuttgart, Germany

**Menkir, Abebe**

International Institute of Tropical Agriculture  
(IITA), Nigeria

**Mogge, Mathias**

Deutsche Welthungerhilfe e.V.,  
Bonn, Germany

**Mönch-Pfanner, Regina**

Global Alliance for Improved Nutrition  
(GAIN), Singapore

**Mühlhoff, Ellen**

Food and Agriculture Organization  
of the United Nations (FAO),  
Nutrition Education and Consumer  
Awareness Group,  
Nutrition and Consumer Protection Division,  
Rome, Italy

**Nabarro, David**

Special Representative on Food Security  
and Nutrition for the United Nations,  
Geneva, Switzerland

**Neufeld, Lynette**

Sight and Life,  
Micronutrient Forum,  
Basel, Switzerland

**Niang, Salif Romana**

Malo Inc., Tulsa,  
Oklahoma, USA

**Nohr, Donatus**

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

**Qaim, Matin**

Department of Agricultural Economics  
and Rural Development,  
Göttingen, Germany

**Raghavan, Kripa**

Eunice Kennedy Shriver National Institutes of Child Health and Human Development, National Institutes of Health, Rockville, MD, USA

**Raiten, Daniel J.**

Eunice Kennedy Shriver National Institutes of Child Health and Human Development, National Institutes of Health, Rockville, MD, USA

**Reimer, Wolfgang**

Ministry of Rural Affairs and Consumer Protection, Ministry Director, Stuttgart, Germany

**Ross, A. Catherine**

Department of Nutritional Sciences, The Pennsylvania State University, Pennsylvania, USA

**Rouw, Elina**

Academy of Breastfeeding Medicine (ABM), Well Baby Clinic, Bühl, Germany

**Ruel, Marie T.**

International Food Policy Research Institute (IFPRI), Washington, USA

**Schattschneider, Dirk**

Federal Ministry for Economic Cooperation and Development, Representative of the Ministry of Development, Berlin, Germany

**Scherbaum, Veronika**

University of Hohenheim, Competence Center Gender and Nutrition, Stuttgart, Germany

**Sies, Helmut**

Heinrich Heine University, Düsseldorf, Germany

**Sommer, Alfred**

University of Boston, USA

**Stenmark, Judith**

International Osteoporosis Foundation, Nyon, Switzerland

**Ströbele, Nanette**

University of Hohenheim, Institute of Molecular and Applied Nutritional Psychology, Stuttgart, Germany

**Talsma, Elise**

Improved Nutrition through Staple Foods in Africa (INSTAPA), Wageningen Agricultural University, Netherlands

**Tang, Guangwen**

Carotenoids and Health Laboratory, Jean Mayer USDA HNRCA at Tufts University, Boston, USA

**Thompson, Brian**

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

**van Ameringen, Marc**

Global Alliance for Improved Nutrition (GAIN), Geneva, Switzerland

**Virchow, Detlef**

University of Hohenheim, Food Security Center, Stuttgart, Germany

**Virk, Parminder**

Harvest Plus, Washington, D.C., USA

**von Braun, Joachim**

Center for Development Research (ZEF), University of Bonn, Department of Economic and Technological Change, Bonn, Germany

**Webb, Patrick**

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

**Weber, Peter**

DSM Nutritional Products, Kaiseraugst, Switzerland

**West, Keith**

John's Hopkins Bloomberg School of Public Health, Baltimore, USA

**Whiteford, Margo**

International Federation for Spina Bifida and Hydrocephalus, Brussels

**Wieser, Simon**

Winterthur Institute of Health Economics, School of Management and Law, University of Applied Sciences, Winterthur, Switzerland

**Winichagoon, Pattanee**

Institute of Nutrition, Mahidol University (INMU), Salaya, Nakhon Pathom Thailand

**Wulfmeyer, Volker**

University of Hohenheim, Institute of Physics and Meteorology, Stuttgart, Germany

**Zamora, Oscar B.**

University of the Philippines Los Baños, Laguna, Philippines

**Zeilani, Mamane**

Nutriset S.A.S., Malamay, France

**Zimmermann, Michael B.**

Swiss Federal Institute of Technology (ETH) Zurich, Department of Health Sciences and Technology (D-HEST), Zurich, Switzerland

**Zittermann, Armin**

Heart and Diabetes Center, North-Rhine Westfalia, Ruhr University Bochum, Bad Oeynhausen, Germany

**Zöfel, Katrin**

Deutschlandfunk, Germany



## LIST OF FREE PRESENTATION SPEAKERS (WITHOUT TITLES)

### **Ackatia-Armah, R.S.**

Boston University School of Medicine,  
Boston, USA

### **Ahmed, F.**

Food & Nutrition Department,  
MOH Kuwait, Kuwait

### **Bashir, E.**

Institute of Plant Breeding,  
Seed Science and Population Genetics,  
University of Hohenheim,  
Stuttgart, Germany

### **Bellad, R.**

Pediatrics, J N Medical College,  
Belgaum, India

### **Bose, S.**

Geography, A-Zone steel township,  
Durgapur, India

### **Cakmak, I.**

Sabanci University,  
Istanbul, Turkey

### **Chowdhury, M.**

Geography and Environmental Studies,  
University of Chittagong,  
Chittagong, Bangladesh

### **Combelles De Morais, C.**

Institute of Population and Social Research,  
Mahidol University,  
Salaya, Thailand

### **Cuesta, J.**

World Bank, Washington, USA

### **Dame, J.**

Department of Geography,  
South Asia Institute,  
University of Heidelberg,  
Heidelberg, Germany

### **De Steur, H.**

Department of Agricultural Economics,  
Ghent University,  
Ghent, Belgium

### **Dias Bartolomeu Abadio Finco, F.**

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

### **Dongho Dongmo, F.**

Biochemistry, University of Douala,  
Douala, Cameroon

### **Ecker, O.**

Development Strategy and  
Governance Division, International Food  
Policy Research Institute,  
Washington, USA

### **Emami, M.**

Agricultural mechanization, Science and  
Research Branch Islamic Azad University,  
Tehran, Islamic Republic of Iran

### **Farhana, MST D.**

Nutrition, Eminence,  
Dhaka, Bangladesh

### **Galetti, V.**

Department of Food, Nutrition and Health,  
Eidgenössische Technische Hochschule  
(ETH) Zürich,  
Zurich, Switzerland

### **Gupta, R.**

Dir Health, DGAFMS office,  
Min. of Defence,  
Government of India,  
New Delhi, India

### **Hunt, J.R.**

Division of Human Health,  
International Atomic Energy Agency,  
Vienna, Austria

### **Idiku, F.O.**

Agricultural Economics and Extension,  
University of Calabar,  
Calabar, Nigeria

### **Jayatissa, R.**

Medical Research Institute,  
Ministry of Health,  
Gangodawila, Bangladesh

### **Kaganda, J.**

Nutrition Education and Training,  
Tanzania Food and Nutrition Centre,  
Dar Es Salaam,  
United Republic of Tanzania

### **Kalandyak, O.**

Early Intervention,  
Rehabilitation Centre "Dzherelo",  
Lviv, Ukraine

### **Kehlenbeck, K.**

Tree Genetic Resources and Domestication,  
ICRAF,  
Nairobi, Kenya

### **Keleman, A.**

School of Forestry / Dept. of Anthropology,  
Yale University,  
New Haven, USA

### **Kirui, O.K.**

Economics and Technological Change  
(ZEF B),  
Center for Development Research (ZEF),  
Bonn, Germany

### **Lopez-Teros, V.**

Nutrition, Centro de Investigación en  
Alimentación y Desarrollo,  
Hermosillo, Mexico

### **Masilela, T.**

Centre for Rural Community Empowerment,  
University of Limpopo,  
Polokwane, South Africa

### **Mathiassen, A.**

Food Security Analysis,  
World Food Programme  
Rome, Italy

**Mayer, A.-M.**

Concern Worldwide,  
Dublin, Ireland

**Mclean, J.**

The Micronutrient Project,  
University of British Columbia,  
Vancouver, Canada

**Mkumbwa, T.**

Helen Keller International  
Dar Es Salaam, United Republic of Tanzania

**Musita, C.**

Community Nutrition,  
Great Lakes University of Kisumu,  
Kisumu, Kenya

**Nyanga, N.**

Community Nutrition,  
Great Lakes University of Kisumu,  
Kisumu, Kenya

**Ojo, D.**

Horticultural Research Institute (NIHORT),  
Ibadan, Nigeria

**Pangaribowo, E. H.**

Economic and Technological Change,  
Center for Development Research,  
University of Bonn,  
Bonn, Germany

**Rasmussen, S.K.**

Dept. Plant and Environmental Sciences,  
University of Copenhagen,  
Frederiksberg, Denmark

**Saheli, B.**

Political Science,  
Centre for South Asian Studies,  
New Delhi, India

**Stuetz, W.**

Nutritional Toxicology, CWS,  
Jakarta Selatan, Indonesia

**Suryantan, J.**

Global Health and Nutrition Advisor, Global  
Health and Nutrition Advisor

**Tiwari, P.C.**

Geography, Kumaon University,  
Nainital, India

**Tulobaev, A.**

Veterinary Faculty,  
Kyrgyz-Turkish University "Manas"  
Bishkek, Kyrgyzstan

**Uchendu, F.**

Department of Health Sciences Nutrition,  
National Open University of Nigeria,  
Lagos, Nigeria

**Ukegbu, P.**

Dept. of Human Nutrition and Dietetics,  
Michael Okpara University of Agriculture,  
Umuahia, Nigeria

**Wang, Y.**

ILSI Focal Point in China,  
Chinese Center for Disease Control  
and Prevention,  
Beijing, China



## LIST OF POSTER PRESENTERS (WITHOUT TITLES)

### **AbdelBary, D.**

Rice Technology Training Center,  
Field Crops Research Institute,  
Alexandria, Egypt

### **Aboussaleh, Y.**

Life Sciences, Ibn Tofail University,  
Kenitra, Morocco

### **Abu, B.**

Nutrition and Dietetics,  
University of the Free State,  
Bloemfontein, South Africa

### **Abubakar, B.**

Research and Administration, KDA,  
Lagos, Nigeria

### **Aeberli, I.**

Human Nutrition Laboratory St. John's  
Research Institute, ETH Zurich St. John's  
National Academy of Health Sciences,  
Zurich, Switzerland

### **Alamgir, M.**

Health & Nutrition, Save the Children,  
Rangpur, Bangladesh

### **Ali, E.**

Operational Research,  
Medecins Sans Frontieres-Luxembourg,  
Luxembourg, Luxembourg

### **Amenu, W.T.**

Public Health, University,  
Hawassa, Ethiopia

### **Anyasi, T.**

Food Science and Technology,  
University of Venda,  
Thohoyandou, South Africa

### **Belay, G.D.**

FORESTREY (Agroforestry and Soil  
management) Forestry, Hawassa University,  
Hawassa Addis Abeba, Ethiopia

### **Bhadra, M.R.**

New Hope Media & Consultants,  
Dhaka, Bangladesh

### **Brnic, M.**

Institute of Food, Nutrition and Health,  
ETH Zurich,  
Zurich, Switzerland

### **Bürger, A.**

Angewandte Genetik und Pflanzenzüchtung,  
University of Hohenheim,  
Stuttgart, Germany

### **Chen-Rui, G.**

Department of Nutrition and Food Safety,  
Hubei Center for Disease Control  
and Prevention,  
Wuhan, China

### **De Steur, H.**

Department of Agricultural Economics,  
Ghent University,  
Ghent, Belgium

### **Egamberdieva, D.**

Faculty of Biology and Soil Science,  
National University of Uzbekistan,  
Tashkent, Uzbekistan

### **Eitzenhöffer, R.**

Community Nutrition,  
University of Hohenheim,  
Stuttgart, Germany

### **Emami, M.**

Agricultural mechanization, Science and  
Research Branch Islamic Azad University,  
Tehran, Islamic Republic of Iran

### **Erhardt, J.**

SEAMEO-REFCON,  
University of Indonesia,  
Jakarta, Indonesia

### **Ezeagu, I.**

Medical Biochemistry,  
University of Nigeria, Enugu Campus,  
Enugu, Nigeria

### **Farhana, MST D.**

Nutrition, Eminence,  
Dhaka, Bangladesh

### **Fosso, A.**

Namibian Horticulture Trust,  
Windhoek, Namibia

### **Georges, O.**

Institut für Agrarpolitik und Marktforschung,  
Justus-Liebig University of Giessen,  
Giessen, Germany

### **Gerber, N.**

Center for Development Research,  
University of Bonn, Bonn, Germany

### **Ghahderijani, M.**

Agricultural mechanization, Science and  
Research Branch Islamic Azad University,  
Tehran, Islamic Republic of Iran

### **Govindan, V.**

Global Wheat Program, International Maize  
and Wheat Improvement Center (CIMMYT),  
Texcoco, Mexico

### **Grieb, B.**

FiBL Projekte GmbH,  
Bad Dürkheim, Germany

### **Gupta, R.**

Dir Health, DGAFMS office,  
Min. of Defence, Government of India,  
New Delhi, India

### **Haile, M.**

Center for Development Research (ZEF),  
ZEFb, University of Bonn,  
Bonn, Germany

### **Haileslassie, H.**

College of Pharmacy and Nutrition,  
University of Saskatchewan,  
Saskatoon, Canada

### **Hartmann, L.**

Department of Geosciences,  
University of Frankfurt,  
Frankfurt, Germany

**Hetti Hewage, A.**

Slimming, VLCC Healthcare Lanak Pvt Ltd,  
Colombo 7, Sri Lanka

**Hooshmand, S.**

Food Science and Nutrition  
S.N.D.T Women's University,  
Tehran, Islamic Republic of Iran

**Inayati, D.A.**

Institute for Social Sciences in Agriculture,  
Institute of Gender and Nutrition,  
University of Hohenheim,  
Stuttgart, Germany

**Islam, Md.M.**

Centre for Nutrition & Food Security,  
ICDDR, B,  
Dhaka, Bangladesh

**Jati, I.R.A.P.**

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

**Kalkuhl, M.**

Center for Development Research (ZEF)  
ZEFb, University of Bonn,  
Bonn, Germany

**Kornher, L.**

ZEF, Bonn, Germany

**Lambert, C.**

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

**Mannhardt, S.M.**

Gesundheitsmanagement, CEO,  
Schliengen, Germany

**Mirzaei, F.**

Animal Production Management,  
Animal Science Research Institute of Iran,  
Karaj, Islamic Republic of Iran

**Mkwiri, I.**

Forestry Production Research,  
Tanzania Forestry Research Institute,  
Kibaha, United Republic of Tanzania

**Musita, C.**

Community Nutrition,  
Great Lakes University of Kisumu,  
Kisumu, Kenya

**Mustafa, F.**

Food Science, Mosul University,  
Mosul, Iraq

**Namukasa, C.**

Nutrition and Food Security,  
Hunger Fighters Uganda,  
Kampala, Uganda

**Nasyrova, F.**

Molecular Biology/Biotechnology,  
Institute of Botany,  
Plant Physiology and Genetics, TAS,  
Dushanbe, Tajikistan

**Ningrum, A.**

Food Science, BOKU,  
Vienna, Austria

**Nube, M.**

Centre for World Food Studies (SOW-VU),  
Amsterdam, Netherlands

**Oke, M.**

Agric Services, AgricLink Multipurpose  
Cooperative Society Limited,  
Federal Capital Territory, Nigeria

**Oladele, I.**

Agricultural Economics and Extension,  
North West University Mafikeng,  
Mmabatho, South Africa

**Osei, A.**

Asia Pacific Regional Office,  
Helen Keller International,  
Phnom Penh, Cambodia

**Owusu-Kyem, A.**

Agricultural Medicine, University of  
Saskatchewan, Saskatoon, Canada

**Peiris, R.**

Provincial Ayurveda Department,  
Sabaragamuwa, Ayurveda Hospital,  
Rathnapura, Sri Lanka

**Purwestri, R.C.**

University of Brawijaya,  
Malang, Indonesia

**Rajasinghe, L.**

Nutrition and Food Science,  
Wayne State University,  
Detroit, USA

**Sandalinas, F.**

UNICEF Regional Office for West and  
Central Africa,  
Dakar, Senegal

**Saravanabavananthan, S.**

Nutrition, VLCC Healthcare Lanka (Pvt) Ltd,  
Colombo, Sri Lanka

**Sharifi, K.**

Research, Social and Health Development  
Program, Kabul, Afghanistan

**Talukder, M.R.R.**

International Centre for Diarrhoeal  
Disease Research, Dhaka, Bangladesh

**Talukder, S.H.**

Eminence, Dhaka, Bangladesh

**Tolossa, A.**

East Africa Regional Office, World Vision  
International, Nairobi, Kenya

**Valledor, M. del P.**

International Law, Universidad Rey Juan  
Carlos, Madrid, Spain

**Vewonyi, A.M.**

Health Ministry, National Nutrition Service,  
Lomé, Togo

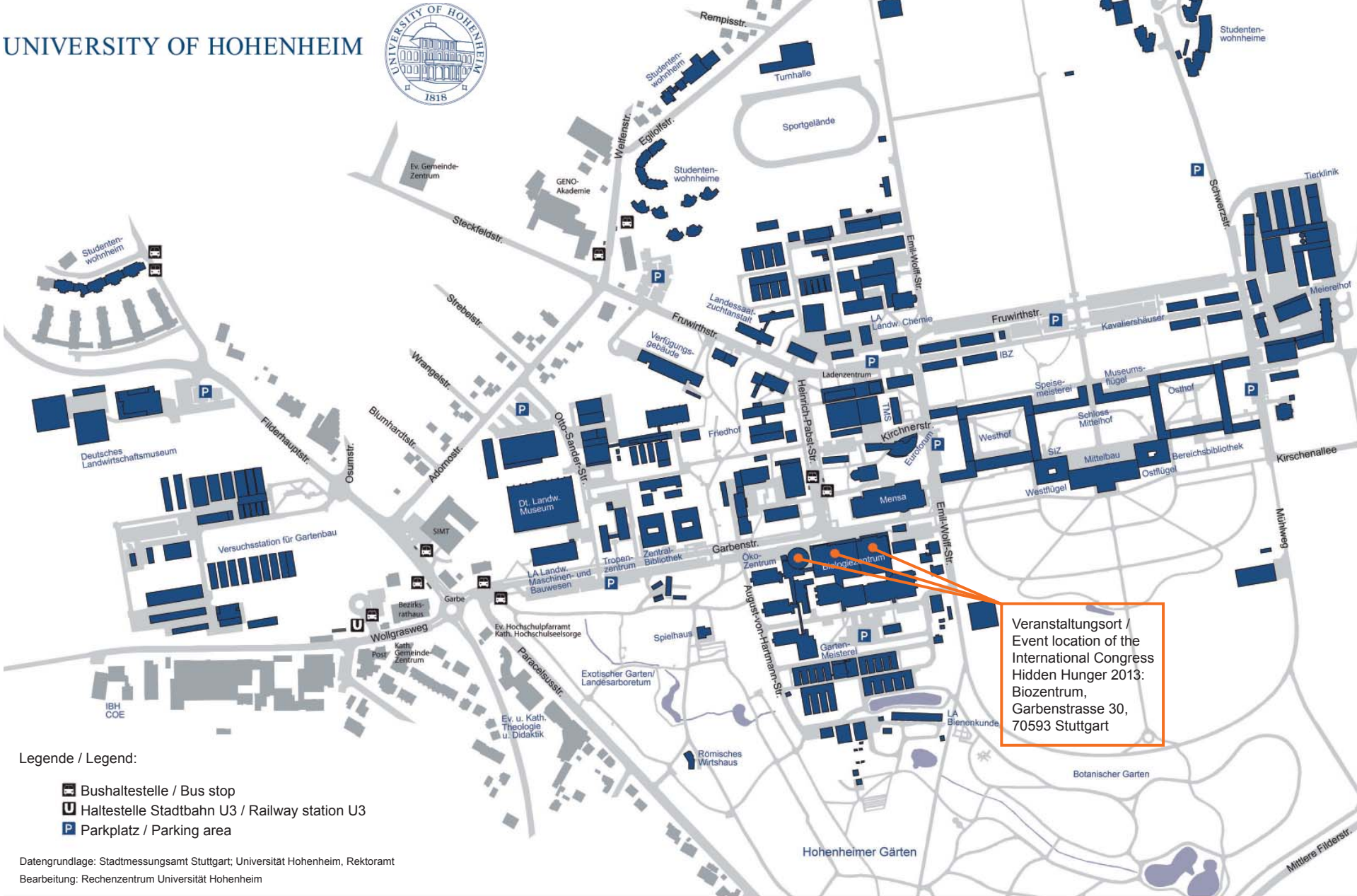
**VinodKumar, M.**

Micronutrients,  
Sundar Serendipity Foundation,  
Chennai, India



SITE PLAN

UNIVERSITY OF HOHENHEIM

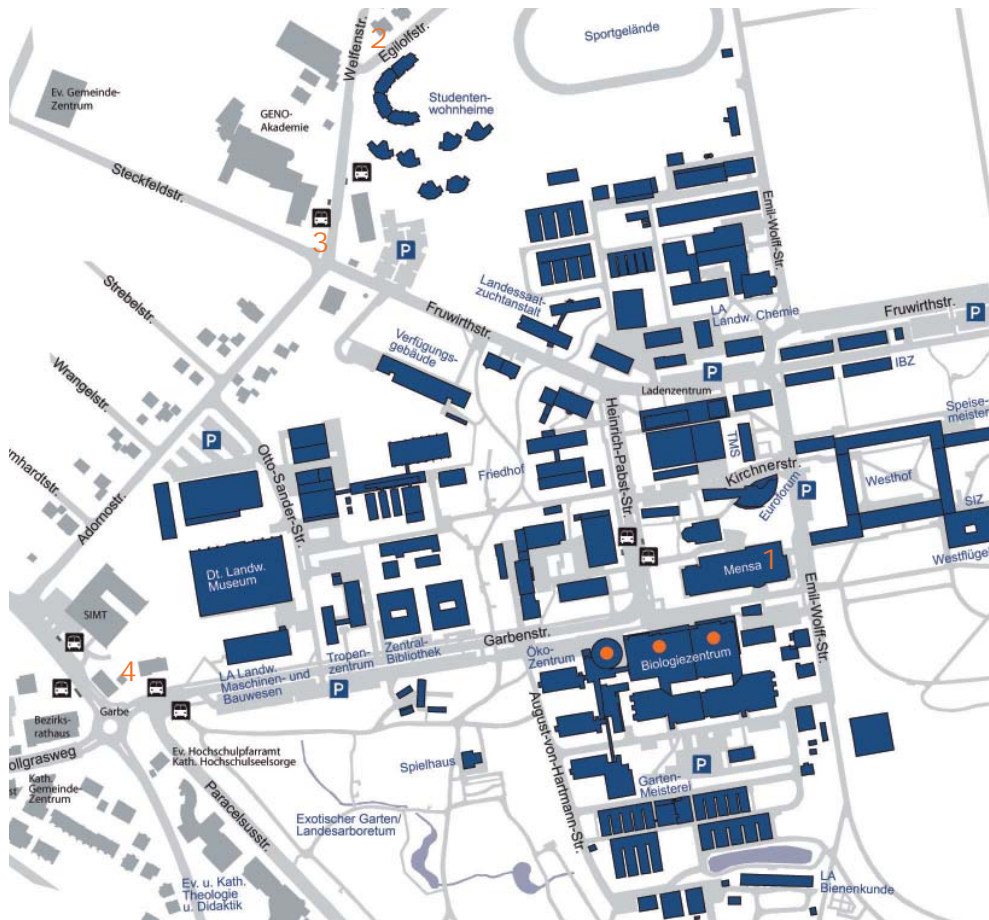


Legende / Legend:

- Bushaltestelle / Bus stop
- Haltestelle Stadtbahn U3 / Railway station U3
- Parkplatz / Parking area

Datengrundlage: Stadtmessungsamt Stuttgart; Universität Hohenheim, Rektorat  
Bearbeitung: Rechenzentrum Universität Hohenheim



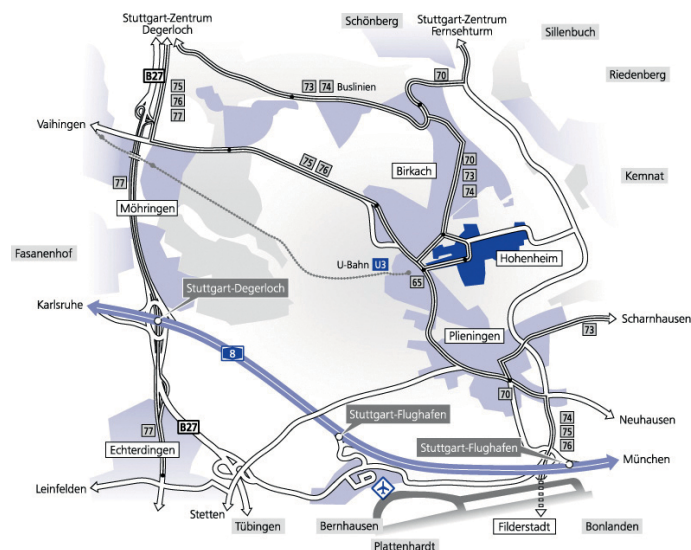


### Possibilities for eating

- 1 Mensa of the University of Hohenheim
- 2 Restaurant Franziska (Welfenstrasse)
- 3 Restaurant Pulcinella (Welfenstrasse)
- 4 Restaurant Garbe (Garbenstrasse)



## HOW TO REACH US



### 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 kilometres 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.

### Coming by train:

#### Public transport from Stuttgart rail station:

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

Or: Take the U5 or U6 underground/ tram line (leaving from low level station) towards Leinfelden or Möhringen. At Möhringen station change for U3 towards Plieningen. Exit train at Plieningen Garbe. From here Universität Hohenheim can be reached on foot or by bus number 65 towards Oberürkheim (stopping at Hohenheim university).

#### Taxi from Stuttgart rail station:

Fare approx. 20-25 Euros.

Time: approx. 25 mins.

### Coming by airplane:

#### Public transport from Stuttgart airport:

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

Or: Take bus numbers 73/75 from “Plieningen Post” towards Degerloch. Exit at “Garbe”.

#### Taxi from Stuttgart airport:

Taxi: Fare approx. 15 Euros.

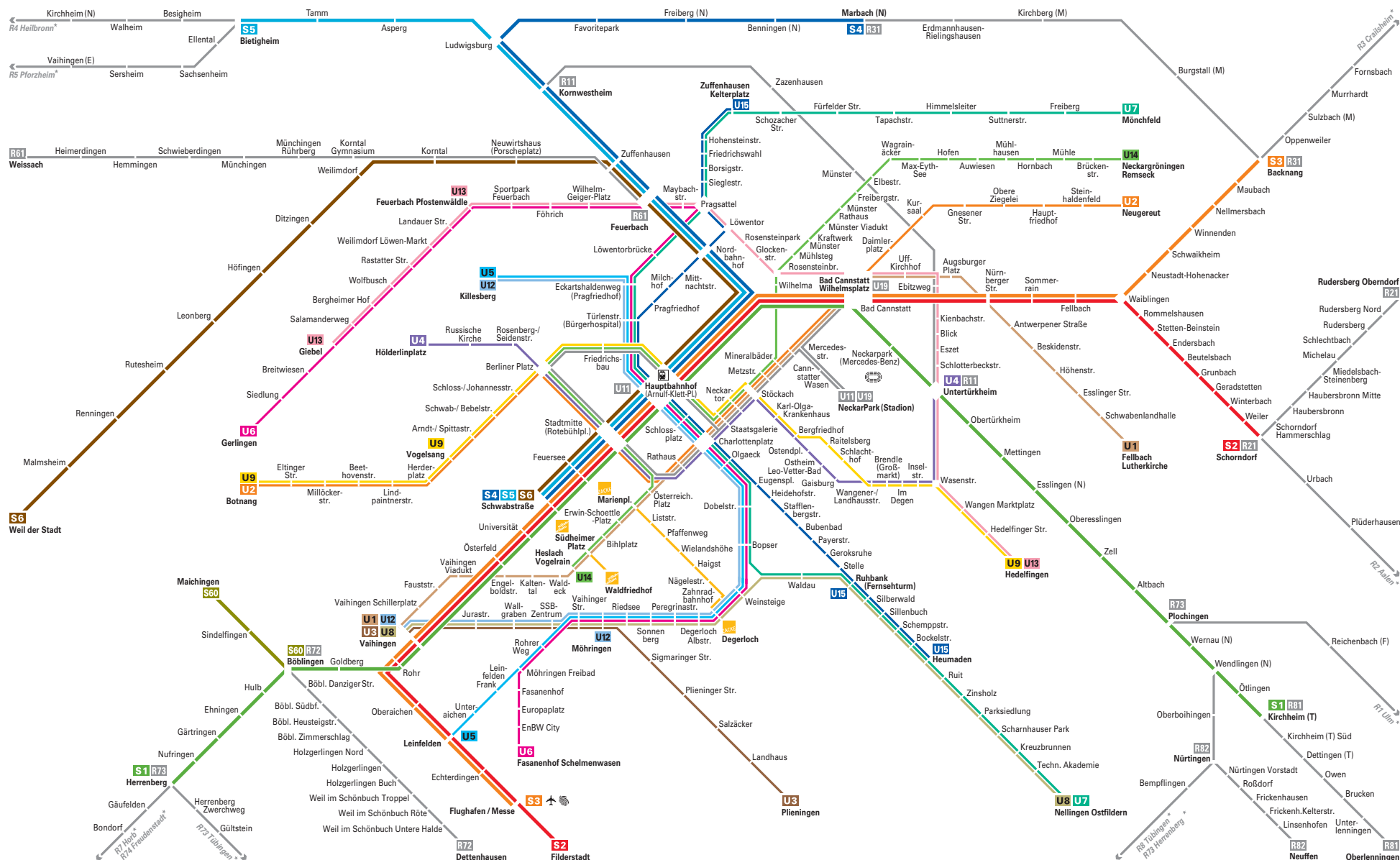
Time: approx. 15 mins.

### Coming by bicycle:

Universität Hohenheim is easily reachable 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.



## Verbund - Schienennetz



\* nicht im VVS-Tarif

Verkehrs- und Tarifverbund Stuttgart GmbH

www.vys.de

Tel. 0711 19449

© VVS 12.2010

#### LOCAL ORGANIZING COMMITTEE

**Prof. Dr. Folkard Asch**

Institute of Plant Production and Agroecology  
in the Tropics and Subtropics

**Prof. Dr. Regina Birner**

Institute of Agricultural Economics and Social  
Sciences in the Tropics and Subtropics

**Prof. Dr. Stephan C. Bischoff**

Institute of Nutritional Medicine / Prevention

**Dr. Ursula Eid**

Parliamentarian State Secretary (retired) Berlin

**Prof. Dr. Harald Grethe**

Institute of Agricultural Policy and Agricultural  
Markets

**Prof. Dr. Dr. Franz Heidhues**

Institute of Agricultural Economics and Social  
Sciences in the Tropics and Subtropics

**Dr. Manfred Kern**

Bayer CropScience AG Monheim

**Prof. Dr. Iris Lewandowski**

Institute of Crop Science

**Prof. Dr. Uwe Ludewig**

Institute of Crop Science

**Prof. Dr. Joachim Müller**

Institute of Agricultural Engineering

**Prof. Dr. Nanette Ströbele**

Institute of Nutritional Medicine

**Dr. Veronika Scherbaum**

Competence Center Gender and Nutrition

**Dr. Detlef Virchow**

Food Security Center

**Prof. Dr. Manfred Zeller**

Institute of Agricultural Economics and Social Sciences  
in the Tropics and Subtropics

#### INTERNATIONAL BOARD AND PROGRAM COMMITTEE

**Prof. Dr. Lindsay Allen**

USDA, ARS Western Human Nutrition Research  
Center University of California Davis, USA

**Prof. Dr. Zulfiqar A. Bhutta**

AGA KHAN University Karachi, Pakistan

**Prof. Dr. Dr. Joachim von Braun**

ZEF – Zentrum für Entwicklungsforschung,  
Center for Development Research University of  
Bonn, Department of Economic and Technological  
Change Bonn, Germany

**Prof. Dr. Parul Christian**

Department of International Health Johns Hopkins  
Bloomberg School of Public Health  
Baltimore, USA

**Prof. Dr. Adam Drewnowski**

UW Center for Obesity Research University of  
Washington Seattle, USA

**Prof. Dr. Charles Godfray**

University of Oxford Department of Zoology Oxford,  
UK

**Prof. Dr. John Hoddinott**

Poverty Health and Nutrition Division International  
Food Policy Research Institute  
Washington DC, USA

**Prof. Dr. John Humphrey**

Institute of Development Studies Brighton, UK

**Janet R. Hunt**

Division of Human Health International Atomic  
Energy Agency Vienna

**Prof. Dr. Timothy Johns**

School of Dietetics and Human Nutrition McGill  
University Ste. Anne de Bellevue, Canada

**Prof. Dr. Eileen T. Kennedy**

Tufts University Friedman School of Nutrition and  
Policy Boston, USA

**Prof. Dr. Berthold Koletzko**

Ludwig-Maximilians Universität Munich Division of  
Metabolic Diseases and  
Nutritional Medicine Dr. v. Hauner  
Children's Hospital Munich, Germany

**Dr. Klaus Krämer**

SIGHT AND LIFE Basel, Switzerland

**Prof. Dr. Ruth K. Oniang'o**

Food Security and Nutrition Thematic Working  
Group Nairobi, Kenya

**Prof. Dr. Matin Qaim**

Department of Agricultural Economics  
and Rural Development,  
Göttingen, Germany

**Dr. Marie T. Ruel**

International Food Policy Research Institute  
Washington D.C., USA

**Prof. Dr. Patrick Webb**

Tufts University Friedman School of Nutrition and  
Policy Boston, USA

**Prof. Dr. Keith West**

John's Hopkins Bloomberg School of Public Health  
Baltimore, USA



Source: University of Hohenheim

PUBLISHER AND CONTENT  
Institute of Biological Chemistry and Nutrition  
University of Hohenheim

COMPILATION AND LAYOUT  
Dipl. Biol. Jana Tinz  
Institute of Biological Chemistry and Nutrition  
University of Hohenheim

DIGITAL EDITING AND GRAPHIC DESIGN  
Kreative Projekte, Birgit Sturm

PREPRESS  
CONVERSIO, André Stenzler

PRINT  
Geldsetzer & Schäfers GmbH

February 2013



Source: Dr. Veronika Scherbaum, University of Hohenheim