Max Rubner Conference 2011

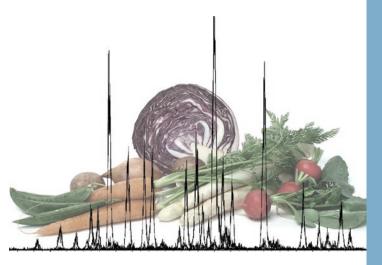
Food Metabolomics

We are pleased to announce the first international conference on Food Metabolomics to be held from 9-11 October, 2011, at the Max Rubner-Institut, the German Federal Research Institute of Nutrition and Food, in Karlsruhe, Germany.

Food is undoubtedly an exceedingly complex and dynamic biochemical system. The chemical composition of each food, characterized by a pattern of hundreds or even thousands of compounds, is influenced by many factors, including origin and variety, environment, production and processing procedures or even storage conditions. Consequently, the chemical composition of a food determines its quality in terms of nutritional value, health benefit as well as sensory characteristics and provides the scientific basis for food safety assessment.

Metabolomics attempts to analyze comprehensively the complete set of small molecule metabolites present in a biological system such as a food. This Omics-approach will therefore be an excellent tool to evaluate food quality as well as food safety. The Max Rubner Conference seeks to cover the whole range of metabolomics applications in food sciences and research and will bring together those scientists interested in this future-orientated analytical technology. Leading international experts will define the state-of-the-art in this field and will present advantages as well as limitations of the various metabolomics methods.

We invite you to participate in this inspiring conference, to meet colleagues from other institutions and countries, to discuss common problems and to inform yourself about the latest developments in food metabolomics. We are looking forward to meeting you in Karlsruhe!



Max Rubner-Institut

Federal Research Institute of Nutrition and Food

Haid-und-Neu-Straße 9 76131 Karlsruhe, Germany





Accommodation

A link to hotels in Karlsruhe: www.karlsruhe.de/stadt/tourismus/uebernachtung

Conference language

All contributions will be in English.

Conference venue

The conference will be held at the Max Rubner-Institut, Federal Research Institute of Nutrition and Food, Haid-und-Neu-Straße 9, Karlsruhe, Germany.

Postercall

You are invited to submit an abstract for the poster session. Deadline for abstracts: September 1, 2011. Contact: institut.og@mri.bund.de

Evening event - dinner

There will be a complimentary dinner on October 10, 2011, for 60 guests. Separate registration is required (see registration form). Seats will be assigned to the first 60 participants (date of receipt of registration applies).

Payment

All payments should be made in EUR by bank transfer. Sorry, no credit card payments. Please indicate your name!

International bank transfer	German bank transfer
IBAN: DE08 7500 0000 0075 0010 07	Dt. Bundesbank Regensburg
BIC: MARKDEF 1750	BLZ: 750 000 00
	Konto-Nr.: 750 010 07
Reason for transfer:	Verwendungszweck:
1063 1001 7427 BEW 03037309	1063 1001 7427 BEW 03037

Registration fee

The fee covers participation in the sessions of the conference, abstract book, meals and drinks at the get-together, at lunch and during coffee breaks.

	Before Sept 9	After Sept 9
Academia	230 EUR	250 EUR
Industry	400 EUR	450 EUR
Students*	90 EUR	120 EUR

(* Please fax or mail a copy of student ID)

Cancellation policy

Registration fees will be refunded, if written cancellation is received before September 9, 2011. No Refunds will be made after this date.



Programme

Max Rubner Conference 2011 Food Metabolomics

October 9-11, 2011 Karlsruhe, Germany

Max Rubner-Institut
Federal Research Institute of Nutrition and Food

Programme

Sunday, October 9, 2011

15:00-16:00	Registration and Coffee
16:00-16:30	Welcome Address Gerhard Rechkemmer, President Max Rubner-Institut
Session 1	Opening Lectures Chair: Bernhard Watzl, MRI, Karlsruhe/DE
16:30-17:15	Metabolomics: Principles and Potentials Warwick Dunn, University of Manchester, Manchester/GB
17:15-18:00	Metabolite Profiling — a Versatile Tool for the Assessment of Food Quality and Safety Karl-Heinz Engel, TU München, Munich/DE
18:00	Get-Together

Monday, October 10, 2011

Session 2	Methods in Metabolomics: Advantages and Limitations Chair: Sabine E. Kulling, MRI, Karlsruhe/DE
08:30-09:00	Mass-Based Metabolomics Katja Dettmer, University of Regensburg, Regensburg/DE
09:00-09:30	NMR-Based Metabolomics Burkhard Luy, KIT, Karlsruhe/DE
09:30-10:00	Data Processing and Data Analysis Tools in Metabolomics Joachim Selbig, University of Potsdam, Potsdam/DE
10:00-10:30	Databases in Metabolomics David Wishart, University of Alberta, Edmonton/CA
10:30-11:00	Coffee Break
Session 3	Metabolomics in Food Safety and Food Quality Chair: Karsten Niehaus, Universität Bielefeld, Bielefeld/DE
11:00-11:40	Metabolomics of Genetically Modified and Non-transgenic Crops Derek Stewart, The James Hutton Institute, Dundee/GB
11:40-12:20	Metabolomics Approach to Residue and Contaminant Analysis Michel Nielen, RIKILT Institute of Food Safety, Wageningen, NL
12:20-13:30	Lunch Break
13:30-14:10	Metabolomics of Food Safety-Relevant Fungi Thomas Ostenfeld Larsen, Technical University of Denmark, Lyngby/DK

14:10-14:50	Mass Spectrometry Based Metabolomics of Plant Resistance Against Pathogen Attack Ajjamada C. Kushalappa, McGill University, Ste-Anne-de-Bellevue/CA
14:50-15:30	Metabolomics to Characterize and Study the Quality of Fleshy Fruits Annick Moing, INRA, Bordeaux/FR
15:30-16:45	Coffee Break and Guided Poster Session
17:00	Departure for Dinner Burg Windeck, Black Forest (www.burg-windeck.de)

Tuesday, October 11, 2011

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Session 4	Metabololomic Applications to Assess Food Quality Chair: David Wishart, University of Alberta, Edmonton/CA
08:30-09:10	Influence of Postharvest Conditions on the Metabolite Profile of Fruits James Peter Mattheis, USDA ARS, Wenatchee, US
09:10-09:50	Applications of Metabolomics in Food Processing Ric de Vos, Wageningen University, Wageningen/NL
09:50-10:15	NMR-based Quality Control of Food: From Research Application to High Throughput Screening Hartmut Schäfer, Bruker, Rheinstetten/DE
10:15-10:40	Organic vs Conventional Farming of Wheat: Influence on Metabolite Profiles Georg Langenkämper, Max Rubner-Institut, Detmold/DE
10:40-11:10	Coffee Break
Session 5	Metabolomics and Nutrition Chair: Gerhard Rechkemmer, MRI, Karlsruhe/DE
11:10-11:50	Metabolite Profiling and Phenol-explorer as Tools to Characterize Phytochemical/Polyphenol Intake Augustin Scalbert, IARC, Lyon/FR
11:50-12:30	Metabolomics as a Tool to Characterize Food Intake John Draper, University of Wales, Aberystwyth/GB
12:30-13:10	Use of Metabolite Profiling for the Detection of Biomarkers in Cohort Studies Dagmar Drogan, German Institute of Human Nutrition, Potsdam/DE

Registration Form

Max Rubner Conference 2011

Title		
Last Name		
First Name		
Organization		
Address		
Phone		
E-Mail		
Fax		
Vegetarian meal for lunch	yes	no
Registration for complimentary dinner	yes	no
Vegetarian meal for dinner	yes	no
Signature		
Signature		
Registration is complete upon receipt of payment.		

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