

# Registration

**Deadline: 25 September 2007**

I / We will attend the

- Symposium, 10 October**
- Reception and Dinner, 10 October**
- Excursion Guided Tour Esslingen, 11 October**

Name \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

Postal Code/City \_\_\_\_\_

Tel./Fax \_\_\_\_\_

E-Mail \_\_\_\_\_

Please register online at  
[www.lsc.uni-hohenheim.de](http://www.lsc.uni-hohenheim.de)  
or send your registration by

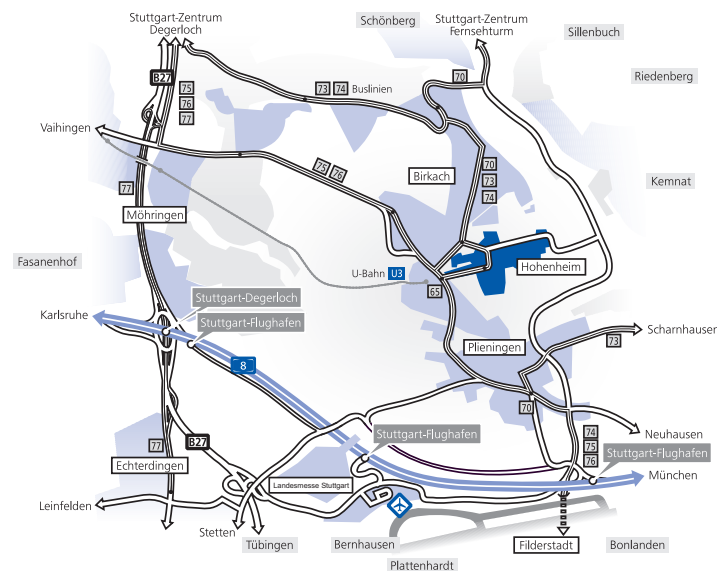
E-Mail [lsc@uni-hohenheim.de](mailto:lsc@uni-hohenheim.de)  
Fax +49-711-459-24347  
Mail Universität Hohenheim  
Life Science Center (760)  
70593 Stuttgart, Germany

## LIFE SCIENCE CENTER SYMPOSIUM

### CONTACT

**Universität Hohenheim | Life Science Center**  
70593 Stuttgart | Germany

**Local organisation** | Prof. Dr. Andreas Fangmeier |  
Prof. Dr. Anne Valle Zárate | Dr. Caroline Liepert | Dr. Andreas Klumpp |  
Tel.: +49-711-459-23043 | Fax: +49-711-459-23044 |  
aklumpp@uni-hohenheim.de



**Venue** | Universität Hohenheim | Schloss | Aula

**Conference fee** | No fees will be charged

**How to get there** | For more information and maps see  
[www.uni-hohenheim.de/kompakt/lageplan.htm](http://www.uni-hohenheim.de/kompakt/lageplan.htm)

**Accommodation** | For assistance please contact  
organisers or Stuttgart Marketing | Tel. +49-711-2228233 |  
[www.stuttgart-tourist.de](http://www.stuttgart-tourist.de)

**Sponsors** | Universitätsbund Hohenheim e.V. | Vater  
und Sohn Eiselen-Stiftung | Ministerium für Wissenschaft,  
Forschung und Kunst Baden-Württemberg

UNIVERSITÄT HOHENHEIM



## Life Science Center Symposium

**20 Years Rehovot-Hohenheim Cooperation**

10-11 October 2007



Gestaltung: Zentrales Marketing



# Invitation

In 1987, the Faculty of Agriculture, Food and Environmental Quality Sciences of The Hebrew University of Jerusalem in Rehovot and the Faculty of Agricultural Sciences of the Universität Hohenheim initiated a close and successful scientific collaboration, with support by the Land Baden-Württemberg. This cooperation aims at improving agricultural methods, enhancing food security and promoting sustainable use of natural resources by joint projects in basic and applied sciences. Over the years, about 40 bilateral projects in the field of life sciences have received start-up funding, increasingly incorporating also partners from Hohenheim's Faculty of Natural Sciences. Based on this success story, the two universities now established a formal partnership aiming at further intensifying their cooperation in research and education.

To celebrate the 20<sup>th</sup> anniversary of this unique collaboration, the Life Science Center, a central inter-faculty research network of the Universität Hohenheim, is hosting this scientific symposium. Its aim is to report on the results of joint projects, to present innovative research ideas and to serve as a platform for new partnerships. You are cordially invited to participate in the scientific presentations and discussions and to enjoy our social and cultural programme!

# Programme



## Wednesday, 10 October 2007

Welcome and Opening	
09:00	Welcome by the Rector Prof. Dr. Hans-Peter Liebig
09:15	Welcome Addresses by Prof. Dr. Eli Feinermann, Dean, Faculty of Agriculture, Food and Environmental Quality Sciences, The Hebrew University of Jerusalem Prof. Dr. Andreas Fangmeier, Head of the Life Science Center
09:30	The Hohenheim-Rehovot Faculty Collaboration Programme, Sam Saguy (Rehovot) and Anne Valle Zárate (Hohenheim)
09:45	FP7: Rules for participation and forthcoming calls for proposals, Dieter Dollase, KoWi, EU Liaison Office of the German Research Organisations, Brussels Dieter Dollase and Heike Strelen (German Research Foundation) will be available for meetings all day.
Session 1 Biomolecular Signals and Genomics. Chairs: Gerd Weber (Hohenheim) / Hanokh Czosnek (Rehovot)	
10:00	The physiological basis of perennial flower induction, Jens Wünsche (Hohenheim), Alon Samach (Rehovot) and Martin Hegele (Hohenheim)
10:20	The role of metallo-proteinases in plant development, Zach Adam (Rehovot) and Andreas Schaller (Hohenheim)

10:40	A novel basis of ammonia toxicity: ammonia triggers photodamage of photosystem II in the cyanobacterium <i>Synechocystis</i> PCC 6803, Karl Forchhammer and Miriam Drath (Tübingen)
11:00	Coffee/Tea Break
11:25	Virus resistance in plants expressing insect chaperonins (proposals for EU projects), Hanokh Czosnek (Rehovot)
11:40	Evolutionary conservatism in the biogenesis of mitochondrial outer membrane proteins, T. Waizenegger (München), S.J. Habib (München), F.E. Nargang (Edmonton), W. Neupert (München) and Doron Rapaport (Tübingen)
12:00	Neural crest cell migration in avian and amphibian embryos: signaling pathways and effector molecules, Martin Blum (Hohenheim) and Dalit Sela-Donenfeld (Rehovot)
12:20	Insect olfaction: reception of pheromones, Yael Heifetz (Rehovot) and Heinz Breer (Hohenheim)
12:40	Lunch at the Refectory (Mensa)
Session 2 Quality and Biofunctionality of Food. Chairs: Walter Vetter (Hohenheim) / Ram Reifen (Rehovot)	
14:00	Methods in proteomics and genomics at the Life Science Center core facility, Jens Pfannstiel and Armin Huber (Hohenheim)

14:15	Molecular design of a novel chickpea seed enzyme reactor for application in infant formula, Sam Saguy (Rehovot) and Lutz Fischer (Hohenheim)
14:35	The effect of weight load, growth and locomotor activity on the bone biomechanics in broilers and turkeys, Ron Shahaar (Rehovot) and Werner Bessei (Hohenheim)
14:55	Influence of RBP4 on vitamin A metabolism, leptin and inflammation markers in selected tissues of the mouse: studies with RBP knockout mice (proposals for EU projects), Ram Reifen (Rehovot) and Donatus Nohr (Hohenheim)
15:15	Coffee/Tea Break
Session 3 Ecosystems and Resource Management. Chairs: Thilo Streck (Hohenheim) / Betty Schwartz (Rehovot)	
15:40	Development and use of moving soil-moisture sensors for on-line irrigation control, Rony Wallach (Rehovot) and Cornelius Jantschke (Hohenheim)
16:00	Silica enrichment in Mediterranean soils, Karl Stahr (Hohenheim)
16:20	Structure and functions of agricultural landscapes under global climate change – processes and projections on a regional scale, Thilo Streck (Hohenheim)

16:40	Response of Eastern Mediterranean vegetation to global change – first lessons learned from GLOWA Jordan River project, Katja Tielbörger (Tübingen)
17:00	Binding of xenobiotics to dissolved organic matter originated from treated wastewater: effect on mobility of pollutants in soil (proposals for EU projects), Benny Chefetz (Rehovot)
17:20	Perspectives of future cooperation in the frame of bilateral funding programmes and EU FP7, Anne Valle Zárate (Hohenheim) and Sam Saguy (Rehovot)
19:00	Reception with musical surprise
20:00	Conference Dinner

## Thursday, 11 October 2007

9:00	Workshops, discussion of planned EU projects, and running and future cooperation projects
12:30	Lunch at the Refectory (Mensa)
14:00	Departure for Excursion Guided tour through the medieval town of Esslingen

