



Department of Evolutionary Neuroethology

2 - 5 September, 2010 Chemical Ecology 2010 Mini-Symposium

Symposium: Max-Planck-Institute for chemical Ecology, large seminar room

Hotel: Hotel IBIS
Teichgraben 1, 07743 Jena
Tel.: 03641-81 30, Fax: 03641-81 33 33

Thursday, September 2

ca. 13:20 pick up at the train station (by Veit Grabe and Regina Stieber)

17:00 Prof. Tom Baker Why Most Male Olfactory Receptor Neurons Are Tuned to the Most Abundant Sex Pheromone Components

18:30-19:45 *Drink at Bill's for PhD students*

20:00 *Dinner*

Friday, September 3

ca. 08:00 pick up at hotel (by Linda Kübler and Regina Stieber)

09:00 - 09:10 Prof. Bill Hansson Welcome

09:10 - 09:30 Vasileios Bitas Volatile compounds as means of communication and host manipulation by the soilborne pathogenic fungus *Fusarium oxysporum*

09:30 - 09:50 Elisabeth Eilers The sweet-and-sour taste of light stressed plants

09:50 - 10:10 Wen-Po Chuang Caterpillar saliva: Does it induce herbivore defenses in maize?

10:10 - 10:30 *Coffee Break*

10:30 - 10:50 Latha Mukunda Dissecting ion channels *in vivo*

10:50 - 11:10 Michael Domingue Sexual dimorphism of arrestment and gregariousness in the bed bug (*Cimex lectularius*) in response to cuticular extracts

11:10 - 11:30 Alexandra Schmidt Fly to odors: New behavioral assays for *Drosophila* and *Manduca*

11:30 - 11:50	Justin George	Reduction in Olfactory Receptor Neuron Responsiveness is Correlated with Reduction in Host-Finding behavior in Fungus-Infected Mosquitoes (Diptera: Culicidae)
11:50 - 12:10	Nico Funk	The function of MsexOR-2 in pheromone transduction
12:10 - 12:30	Christy Harris	Positive associative learning experiences supersede herbivore-induced plant volatiles in generalist parasitoid host-finding
12:30 - 14:00	<i>Lunch</i>	
14:00 - 14:20	Katrin Groh	How transition from water to land affects odor perception in hermit crabs
14:20 - 14:40	Rupesh Kariyat	How does host plant genetic diversity and inbreeding affect plant-insect interactions?
14:40 - 15:00	Christine Mißbach	Evolution of insect olfactory receptors
15:00 - 15:20	<i>Coffee Break</i>	
15:20 - 15:40	Abu Farhan	Effects of starvation on olfactory sensitivity in <i>Drosophila melanogaster</i>
15:40 - 16:00	Scott Portman	How does host plant quality effect gene expression and dispersal in Lepidopteran herbivores?
16:00 - 16:20	Hany Dweck	Evolution of olfaction in <i>Drosophila mojavensis</i> cluster
16:20 - 16:40	Cornelia Bühlmann	Desert ants use nest odours for homing
16:40 - 17:00	Lori Shapiro	Cucurbits, cucumber beetles, and bacterial wilt disease: A chemical ecology perspective
17:00 - 17:20	Melanie Marr	Sexual communication in <i>Spodoptera frugiperda</i>
19:00	<i>Dinner</i>	
20:00	Prof. Bill Hansson	Evolutionary Neuroethology Evening talk including lab tours

Saturday, September 4

Excursion to Weimar

Sunday, September 5

Departure of our guests