Programe, Tuesday, 13.05.2008

All sessions	
17:00 – 19:00	**Registration at IBB PAS**
18:00-	**Barbeque Welcome Party at IBB PAS**

Programe, Wednesday, 14.05.2008

Session I: **Significance of S nutrition and metabolites in agriculture and plant response to environmental stresses;** Chairpersons: Silvia Haneklaus, Ineke Stulen	
8:45-9:00	Opening (*A. Sirko; Luit J. De Kok*)
9:00-9:30	**Nigel Halford:** Invited talk - The link between sulfur and acrylamide risk in cereals and potato
9:30-9:50	**Silvia Haneklaus:** Sulfur Induced Resistance (SIR): biological and environmentally sound concept for disease control
9:50-10:10	**Elke Bloem:** From seed to cure: aspects of cultivation, preparation and administration of *Tropaeolum majus* L.
10:10-10:30	**Ewald Schnug:** Influence of sulfur fertilization on the insect inventory in oilseed rape during the vegetation period
10:30-10:50	Coffee and Tea
10:50-11:10	**Maria Müller:** Cysteine as limiting factor for glutathione synthesis during virus infection in plants
11:10-11:30	**Dirk Wesenberg:** Cadmium induced thiol peptides in *Chlamydomonas reinhardtii* strains
11:30-11:50	**Corinna Bleuel**: Intracellular cadmium detoxification mechanisms in the moss *Physcomitrella patens*
11:50-12:10	**Karine Vandermeiren:** Impact of tropospheric ozone on food and feed quality of Brassica species (OFFQ)
12:10-12:30	**Heinz Rennenberg:** Significance of copper for the uptake and detoxification of atrazine by poplar tree species
12:30-12:50	*General Discussion*
12:50-14:00	Lunch and Poster Viewing
Session II: **Uptake and metabolism of sulfur and its interactions with other pathways** Chairpersons: Malcolm J. Hawkesford, Luit De J. Kok	
14:00-14:30	**Rachel Amir:** Invited talk - Higher levels of lysine, threonine or cysteine affect the level of methionine in higher plants
14:30-14:50	**Aleksandra Koralewska**: Regulation of uptake and distribution of sulfate in *Brassica*
14:50-15:10	**Peter Buchner**: The sulfate transporter gene family in wheat – is it different compared to Arabidopsis?
15:10-15:30	**Cornelia Herschbach**: Distinct differences of two sulfate transporter from *Populus tremula* x *P. alba* that are expressed in phloem tissues
15:30-15:50	**Silvia Tavares**: Sulfate transporters in Vitis: roles and expression
15:50-16:10	Coffee and Tea
16:10-16:30	**Helen Zuber**: Examination of the role of sulfate transporters expressed in seeds by using Arabidopsis T-DNA mutants
16:30-16:50	**Colette Matthewman**: Characterisation of the ATP sulfurylase gene family in *Arabidopsis thaliana*
16:50-17:10	**Sarah Mugford**: Characterisation of the APS kinase gene family in *Arabidopsis thaliana*
17:10-17:30	**Sara Amancio**: The up-regulation of *Vitis vinifera* sulfur assimilation by sulfate depletion decreases from cells to roots and to leaves
17:30-17:50	**Stefania Astolfi**: S resupply to S-deficient barley plants allows restoration of their capability to cope with Fe shortage
17:50-18:10	*General Discussion*
18:10-19:30	Poster Viewing

Programe, Thursday, 15.05.2008

Session III: Evolution of the pathway, variety of S metabolites and their significance; Chairpersons: Ewald Schnug, Agnieszka Sirko	
8:45-9:15	**Robert Grimble:** Invited talk - The impact of dietary sulfur amino acid intake on immune function in health and disease
9:15-9:35	**Mariusz Aleksander Bromke:** Sulfur metabolism in marine diatoms
9:35-9:55	**Andrzej Paszewski**: Sulfur metabolism in fungi: pathways and regulation
9:55-10:15	**Stanislav Kopriva**: Sulfur assimilation in lower plants and algae: Surprising lessons from sequenced genomes
10:15-10:35	**Ralf Mendel:** Sulfite oxidase as a key enzyme for protecting plants against sulfur dioxide
10:35-10:45	***Time reserved for organizers***
10:45-11:00	Coffee and Tea
11:00-11:20	**Jutta Papenbrock:** Reduced sulfur in the plant cell – enzymatic formation and functional roles
11:20-11:40	**David Dixon**: Identification of novel sulfur-containing metabolites bound to arabidopsis glutathione transferases
11:40-12:00	**Valérie Page** Metabolism of sulfonated aromatic compounds in plants
12:00-12:20	**Bernd Zechman**: Effects of modified cysteine contents on subcellular glutathione metabolism
12:20-12:40	**Chengbin Xiang**: Autoregulation of glutathione synthesis at translational level by glutathione itself
12:40-13:00	**Anna Koprivova**: Control of root growth by glutathione
13:0 0-13:20	*General Discussion*
13:20-14:30	Lunch and Poster Viewing
14:30-19:00	Warsaw sightseeing trip (optional)
19:00	Workshop Dinner

Session IV: Sensing, signaling and regulation of sulfur metabolism (I); Chairperson: Kazuki Saito	
8:45-9:15	**Toru Fujiwara:** Invited talk - Toward comprehensive understanding of regulatory network of sulfur metabolism –
9:15-9:35	**Holger Hesse**: Transcriptional factors relevant to auxin signaling coordinate broad-spectrum metabolic shifts including sulfur metabolism
9:35-9:55	**Masami Hirai:** Omics-based identification of the genes involved in methionine-derived glucosinolate biosynthesis
9:55-10:15	**Michael Hubberten**: Local and systemic response of sulfur starvation
10:15-10:35	**Agnieszka Sirko:** Investigating the role of genes induced by a short-term sulfur starvation: pleiotropic effects of modification the *UP9* expression level
10:35-10:55	Coffee and Tea
10:55-13:00	Oral Poster Presentations
13:00-14:30	Lunch and Poster Viewing
Session IV: Sensing, signaling and regulation of sulfur metabolism (II); Chairperson: Heinz Rennenberg	
14:30-14:50	**Clarissa Lancilli:** Using gene trap to develop plant bioindicators for sulfur nutritional status
14:50-15:10	**Lucie Dubousset**: The remobilization of leaf N and S compounds of oilseed rape in response to sulfate deficiency depends on nitrate availability in soil
15:10-15:30	**Derek Lydiate:** Uptake, translocation and metabolism of selenium in *Arabidopsis thaliana*
15:30-15:50	Coffee and Tea
15:50-16:10	**Koichi Sugimoto**: Regulation of sulfolipid and phospholipid metabolism under sulfur starved conditions in green alga *Chlamydomonas reinhardtii*
16:10-16:30	**Ruediger Hell**: Cellular redox homoeostasis and gutathione reduction in *Arabidopsis thaliana*
16:30-16:50	**Corina Heeg**: Analysis of the O-acetylserine(thiol)lyase gene family demonstrates compartment-specific differences in the regulation of cysteine synthesis
16:50-17:10	**Kazuki Saito**: Roles of gene families of *O*-acetylserine thiol-lyase and serine acetyltransferase in Arabidopsis: Just redundancy or hidden secret?
17:10-17:30	**Markus Wirtz**: Monitoring of protein-protein interaction in the cysteine synthase complex in vivo
17:30-16:50	*General Discussion*
17:50-18:20	***Closing remarks and General discussion***

Excursion to the sulfur mine K.S."Osiek" (optional)

The sulfur mine K.S. "Osiek" is the only working sulfur mine in the world using the modified Frasch hot water method, in which the native sulfur is melted underground and brought to the surface by compressed air. The hot water from the nearby power plant is utilized in "Osiek" and after being used in the sulfur-melting process it is returned back to the power plant (maintained in a closed circulation).