Wednesday 19.07 - Violet room

9:20	Küpper	Mechanisms of trace elements uptake, within-plant mobility and storage by metal hyperaccumulators
9:50	Clemens	Natural variation and mechanisms of metal hyperaccumulation and metal hypertolerance in Arabidopsis halleri
10:10	Schat	Are zinc, nickel and cadmium hyperaccumulation and hypertolerance species-wide in Noccaea caerulescens?
10:30	Coffee break	
11:00	Hanikenne	Intraspecific variation of Zn hyperaccumulation in Arabidopsis halleri populations
11:20	Verbruggen	Intraspecific variation in cadmium hypertolerance and accumulation in Arabidopsis halleri
11:40	Gong	Mechanisms of Cd hyper-accumulation in the newly identified hyperaccumulator Sedum plumbizincicola
12:00	Kavcic	Getting insights into Cd hyperaccumulation and hypertolerance mechanisms in Noccaea praecox by X-ray spectroscopy techniques
12:10	Gosti	Evolutionary insight onto plant zinc tolerance provided by Defensins”
12:20	Lunch break	
13:30	Schroeder	Systems Level Approaches Towards Understanding Heavy Metal Response and Resistance Mechanisms in Plants
13:50	Mendoza	Cadmium and iron uptake, allocation and sensing (or mis-sensing) in Arabidopsis”
14:10	Posters and coffee break	
15:50	Furini	Analysis of a MYB transcription factor induced by cadmium and modulated by calcium
16:00	Zhao	Engineering arsenic hyperaccumulation in Arabidopsis thaliana
16:20	Wan	Multi-metal hyperaccumulating Pteris vittata L. and its co-hyperaccumulating mechanisms

Thursday 20.07 - Violet room

9:20	Aarts	Population genomics of heavy metal adaptation of Noccaea caerulescens
9:50	Frérot	Genetics and evolution of tolerance to zinc pollution in the pseudometallophyte Arabidopsis halleri (Brassicaceae)
10:10	Merlot	Diversity and Evolution of the Molecular Mechanisms Involved in Nickel Hyperaccumulation in Plants
10:30	Coffee break	
11:00	Babst-Kostecka	Adaptation of Arabidopsis halleri to metal-polluted soils: linking environmental, genomic, and phenotypic information
11:10	Sterckeman	Phenotyping 60 Populations of the Hyperaccumulator Noccaea caerulescens
11:30	Jacobs	Phytoextraction of trace metals with Noccaea caerulescens in field trials: improving metal uptake with cultural practices
11:40	Chen	Arsenic hyperaccumulator Pteris vittata extrudes phytic acid to promote mineral dissolution and nutrient and arsenic uptake
11:50	Martínez-Sánchez	Results of a phytoremediation study in a zone highly polluted by mining wastes

Posters – Wednesday, 19.07, D-floor, North Foyer

Antosiewicz	Engineering Zn and Cd content in shoots involves tissue-specific modification of endogenous genes
Barabasz	Search for mechanisms responsible for Cd-dependent Zn root-to-shoot translocation
Derakhshi	Study of boron bioaccumulator potential by haloalkaliphilic bacteria in a saline and alkaline soil
Jacobs	Phytoextraction of trace metals with Noccaea caerulescens in field trials: improving metal uptake with cultural practices
Kozhevnikova	Histidine-mediated transport and accumulation of nickel and zinc in hyperaccumulators and non-accumulators from Brassicaceae family
Li	Estimating availability of Cd and Zn to Sedum plumbizincicola in various soil types in the major contaminated regions of China
Lopata	Searching for local adaptation of Arabidopsis halleri - a reciprocal transplant experiment
Małkowski	Is Arabidopsis arenosa a hyperaccumulator of Cd and Zn? An investigation on A. arenosa and A. halleri growing at site highly contaminated with heavy metals in southern Poland
Noller	Evaluating the relation between soil chemical and microbiological characteristics and Ni accumulation in the hyperaccumulator Noccaea goesingensis
Pauwels	Demographic history of the trace metal hyperaccumulator Noccaea caerulescens (J. Presl and C. Presl) F. K. Mey. in Western Europe
Seregin	Zinc and nickel tissue distribution in accumulating and non-accumulating species of Brassicaceae family
Silveira Rabêlo	Proper sulfur supply increased the GSH concentration in the leaves of Panicum maximum but did not affect the cadmium content
Szopiński	Ecophysiolology of Arabidopsis halleri: chlorophyll a fluorescence parameters as the major bioindicator of environmental pressure and heavy metals toxicity
Visioli	Towards an enhanced understanding of the rhizosphere and endosphere of the Ni hyperaccumulator Noccaea caerulescens
Wenzel	Chemical mapping of arsenic speciation reveals distinct pattern of cycling and redox reactions in the rhizosphere of hyperaccumulator ferns
Yuan	The accumulation of rare earth elements (REEs) in Phytolacca americana, a REE hyperaccumulator