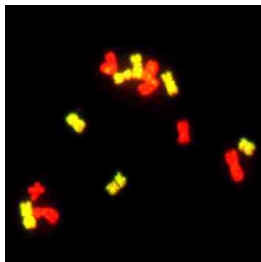
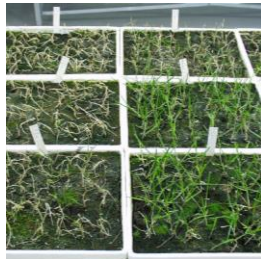




Exploiting genetic diversity of forages to fulfil their economic and environmental roles



Bavarian State Research Center for Agriculture
Institute for Crop Science and Plant Breeding



Section: Fodder Crops and Amenity Grasses
"Festulolium Working Group"

Monday the 6th of September

9:00-9:40	Opening of conference - welcome speeches Stephan Hartmann Convener Welcome Stephan Sedlmayer President LfL David Kopecký Chairman of the Eucarpia Fodder Crops and Amenity Grasses Section
9:40-10:10	Coffee break
10:10-11:10	Johannes Isselstein: <i>Reconciling the goals – grass breeding for an improved grassland husbandry</i> (k)
11:10-11:35	Break
11:35-16:25	Session 1: Natural diversity – a valuable source for breeding
11:35-12:05	Caroline Brophy: <i>Making the most of multi-species mixtures: the role of species and functional diversity in intensively managed grasslands</i> (i)
12:05-12:35	Andreas Graner: <i>Activation of ex situ collections: promises kept and pending</i> (i)
12:35-13:05	Stephan Weise: <i>Data management for preserving genetic diversity: Experiences and challenges</i> (i)
13:05-14:00	Lunch
14:00-14:20	Marie Pegard: <i>New insights on the genetic structure of lucerne with GBS markers</i> (r)
14:20-14:40	Silvia Bachmann-Phabe: <i>Phenotyping Drought Tolerance and Root Morphology in Perennial Ryegrass</i> (r)
14:40-15:00	Jose Luis Blanco-Pastor: <i>Genomic and phenotypic diversity for adaption to fu-ture climate in natural populations of perennial ryegrass</i> (r)
15:00-15:30	Coffee break
15:30-15:35	Vincent Colas: <i>Variability for organic matter digestibility at heading date in a collection of perennial ryegrass genotypes</i> (f)
15:35-15:40	Stefano Zanotto: <i>Red clover adaptation to a Nordic climate</i> (f)
15:40-15:45	Yue Hu: <i>Phosphorus utilisation capacity of forage legumes from recycling products</i> (f)
15:45-15:50	Beat Boller: <i>A single genotype of the triploid hybrid Festuca apennina × Festuca pratensis expands over two hectares</i> (f)
15:50-16:25	Session 1 discussion
16:25-16:45	Coffee break
16:45-17:45	Board meeting

(k)eynote / (i)nvited / (r)egular talk / (f)lash presentation

Tuesday the 7th of September

9:00-13:05	Session 2: Characterizing genetic diversity – the basis for selection
9:00-9:30	Bruno Studer: <i>Understanding forage grass genomes beyond single nucleotide variation – an example on self-incompatibility</i> (i)
9:30-10:00	Kristina Jaskune: <i>Climate change adaptation in forage grasses: from phenotype to genotype</i> (i)
10:00-10:30	Coffee break
10:30-10:50	An Ghesquiere: <i>Using marker assisted parental analysis to move to full sib selection in breeding perennial ryegrass</i> (r)
10:50-11:10	Lea Frey: <i>Elucidating the genetic control of southern anthracnose resistance in red clover</i> (r)
11:10-11:30	Katie Hetherington: <i>Genotyping-by-sequencing (GBS) of white clover (<i>Trifolium repens</i>) F₁ families as pools</i> (r)
11:30-11:45	break
11:45-12:05	Roland Geyer: <i>Development of a metabolic profiling method for ryegrass phenotyping and breeding on drought tolerance</i> (r)
12:05-12:10	Johannes Huber: <i>Genetic analysis of drought stress tolerance in perennial ryegrass (<i>Lolium perenne</i> L.)</i> (f)
12:10-12:15	Bernadette Julier: <i>Optimisation of GBS protocols for efficient genotyping of forage species</i> (f)
12:15-12:20	Jie Kang: <i>snpGBS: A Simple and Flexible Bioinformatics Workflow to Identify SNPs from Genotyping-by-Sequencing Data</i> (f)
12:20-12:25	Florian Goettelmann: <i>Pooled sequencing reveals genome regions involved in resistance to bacterial wilt in Italian ryegrass</i> (f)
12:25-12:30	Rossana Henriques: <i>Assessing photoperiod regulation of early development in perennial ryegrass varieties grown in vitro</i> (f)
12:30-13:05	Session 2 discussion
13:05-14:00	Lunch
14:00-16:30	Festulolium WG Workshop
14:00-14:30	Marc Ghesquiere: (a) <i>Development of KASPar markers in Festulolium hybrids</i> (b) <i>Detection of genome-specific SNP polymorphism in the Festuca/Lolium complex</i> (i)
14:30-14:50	Arek Kosmala: <i>Alterations in leaf lipidome under water deficit and re-watering in Lolium multiflorum/Festuca arundinacea introgression forms distinct in drought tolerance</i>
14:50-15:10	David Kopecky: <i>High-throughput identification of F1 Lolium x Festuca hybrids using flow cytometry</i>
15:10-15:30	Mike Humphreys: <i>AberRoots - a new Festulolium cultivar</i>
15:30-16:30	Festulolium WGW discussion
16:30-17:00	Coffee break
17:00-17:30	Business meeting

Wednesday the 8th of September

9:00-13:05	Session 3: Strategies to optimally exploit genetic diversity	
9:00-9:30	Åshild Ergon: <i>Can we define a persistent red clover ideotype for mixtures with grasses?</i>	(i)
9:30-10:00	Susanne Barth: <i>Enhancing Genetic Diversity through new Breeding Techniques</i>	(i)
10:00-10:30	Coffee break	
10:30-10:50	Tim Vleugels: <i>Inheritance of self-fertility in tetraploid red clover</i>	(r)
10:50-11:10	Marie Pegard: <i>Genomic prediction of lucerne forage yield and quality</i>	(r)
11:10-11:30	Mallikarjuny Rao Kovi: <i>Impact of genetic relatedness on the genomic prediction accuracies in timothy (Phleum pratense L.)</i>	(r)
11:30-11:45	break	
11:45-12:05	Agnieszka Konkolewska: <i>Feature selection for genomic prediction of perennial ryegrass forage quality</i>	(r)
12:05-12:25	Jenny Peter: <i>Italian Ryegrass - Higher Seed Yield through Targeted Selection for Low Seed Shattering</i>	(r)
12:25-12:30	Yuhong-Shi: <i>Better utilization of Lolium perenne in biorefineries based on its chemical composition</i>	(f)
12:30-13:05	Session 3 discussion	
13:05-14:00	Lunch	
14:00-15:50	Session 4: "Minor" and "new" species – solution for future challenges	
14:00-14:30	Fred Eickmeyer: <i>Shall we add some flowers or even add some weeds – will this be the solution for business of seeds?</i>	(i)
14:30-14:50	Ashild Ergon: <i>Potential for developing improved rhizobium inoculants and lucerne varieties for efficient symbiosis in sustainable agriculture</i>	(r)
14:50-14:55	Tomas Vymyslicky: <i>New approaches to the establishment of mixed cultures of alfalfa with grasses</i>	(f)
14:55-15:15	break & voting	
15:15-15:45	Session 4 discussion	
15:45 - 16:05	Awards of the best talks	
16:05 - 16:25	General conclusions and meeting closure	