



# iDiv Annual Conference 2025

## Tuesday 30 September 2025

### Molecular Biodiversity and Evolution - Lecture Hall XXII (14:00 - 15:30)

-Conveners: Michael Gerth

time	[id] title	presenter
14:00	[4] Causes and consequences of recombination landscape variation in plants	DREISSIG, Steven
14:15	[17] Bimodal centromeres in pentaploid dogroses shed light on their unique meiosis	Prof. RITZ, Christiane
14:30	[91] Effects of fertilization and drought stress on the diversity and composition of the phytomicrobiome in seeds and seedlings	Mr PELZER, Robin Jan
14:45	[96] Field to Function: Gene Regulation and Microbial Communities Shape Phenotypic Variation in Arabidopsis thaliana Across Natural Habitats	LAUBINGER, Sascha
15:00	[28] Do it yourself at home, call for support abroad: Native and non-native populations differ in their belowground responses to drought	ROSCHKE, Christoph
15:15	[15] Pollen and anther morphological variation was shaped by domestication in rye ( <i>Secale cereale</i> L.).	WAESCH, Christina
15:18	[34] Progress and future directions of biogeographical comparisons of plant–fungal interactions in invasion contexts	THOMA, Arpad Erik
15:19	[61] Combined ecological transcriptomics and phenomics uncover novel gene functions in Arabidopsis thaliana	MJEMA, Eneza Yoeli

### Molecular Biodiversity and Evolution - Lecture Hall XXII (16:00 - 17:30)

-Conveners: Michael Gerth

time	[id] title	presenter
16:00	[58] Tiny genomes, hidden patterns – bacterial symbionts in insects	MANTHEY, Christin
16:15	[79] What doesn't kill you makes you...more diverse? The microbiome of wild, wounded <i>Drosophila melanogaster</i> investigated using metabarcoding and oxford nanopore sequencing.	PREUSS, Leopold
16:30	[14] Correcting the Molecular Bias: Optical High Throughput and Gene Copy Number Calibration for Realistic Protistan Abundance Estimates	Dr MÖBIUS, Nadine
16:45	[102] Comparative landscape genetics of grassland insects reveals that ecotones, and to a lesser degree landscape-scale meadow management, support genetic diversity in agricultural landscapes	WILD, Christopher
17:00	[68] Advancing the phylogenetics on the iconic Andean tree genus <i>Polylepis</i> (Rosaceae)	OLIVAR, Jay Edneil
17:03	[89] Unraveling plant-microbe interactions across space, time, and environmental contexts	Dr BONATELLI, Maria