Deutsches Pflanzen Phänotypisierungs-Netzwerk e.V.
DPPN

WS 6 DPPN Phenotyping Workshop

18 September, 14:30 - 16:30 (Room 4)

Plant phenotyping is an emerging science that links genomics with plant ecophysiology and agronomy. The relationship between the genes, the environment and the phenotype of a plant determines the structure, function and efficient utilization of resources of that plant and ultimately its performance. While molecular and genetic methods experienced significant advances in recent years, quantitative phenotype analysis became the limiting factor.

The German Plant Phenoytyping Network (DPPN) was established in 2012 by the Forschungszentrum Jülich (FZJ), the Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Gatersleben and the Helmholtz Munich (HMGU) to implement and extend state-of-the-art phenotyping infrastructures in Germany. A broad range of platforms is accessible to German users through the DPPN-ACCESS program supported by the BMBF. A next call for access is open: Submission deadline 29.10.2024. Further calls will be launched approximately every 6 months.

What to expect?

14:30	Plant Phenotyping as a scientific tool and the role of DPPN: How to get access to the phenotyping infrastructures of the DPPN	Simone Gatzke, DPPN e.V. (c/o Forschungszentrum Jülich)
Keynote Lecture		
14:45	How frequently are we phenotyping plant-plant interactions	Tsu-Wei Chen, Humboldt Universität zu Berlin
Overview talks: DPPN Access		
15:15	Root and tiller phenotyping to identify new variation for barley breeding	Andreas Maurer, Martin-Luther-Universität Halle-Wittenberg
15:30	Magnetic Resonance Imaging (MRI)-based Image Guided Sampling to study starch storage dynamics in yam tuber development	Janina Epping, Universität Münster
15:45	Phenotyping plants in IPK´s PhenoSphere: Natural growth and development achieved through dynamic environment simulation	Marc Heuermann, IPK Gatersleben
16:00	VOC-based phenotyping of plants under stress	Jana Barbro Winkler, Helmholtz Munich
16:15	Conclusion	

Intended audiences:

Everyone who is interested in phenotyping, all career stages are welcome! No participation limits and no participation fees!

https://dppn.plant-phenotyping-network.de/

dppn@plant-phenotyping-network.de

IPK LEIBNIZ INSTITUTE HELMHOLTZ MUNICH JÜLICH Forschungszentrum