

Phenospex PlantEye f600 Microscan: Quick-start

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The PlantEye f600 Microscan is a DFG-funded instrument, through the Collaborative Research Center TRR 341 “Plant Ecological Genetics” and is accessible to all research groups within the TRR341. Access to the phenotyping platform is managed by the following persons.

CONTACT:

For the device in Cologne: **Renan Granado**, Universität zu Köln, Biozentrum, Zülpicher Str. 47b, Room: 3.407, 50674 Köln, rgranado@uni-koeln.de

For the device in Düsseldorf: **Marie Knopf**, HHU, Institut für Botanik, Universitätsstr. 1, Gebäude 26.14 Etage/Raum 01.71, 40225 Düsseldorf, marie.knopf@hhu.de

They will assist with set up, first connexion, training and usage of the device.

- An initial training is mandatory before first access to the phenotyping platform. After the initial training, a user can independently book, pick up and use the Phenospex PlantEye
- An online booking calendar is used to create, modify and delete reservations of the PlantEye : <https://booked.uni-koeln.de/trr341planteye>. Users have to create a user account.
- It is recommended to read the User Guideline before first use of the device.
- For TRR341 groups not within the University of Cologne, we ask you to plan the use of the Phenospex long enough in advance with the responsible persons.
- There is no computer/laptop affiliated to the PlantEye, users have to use their own laptop.
- HortControl, the interface software of the PlantEye, does not need to be installed on your computer. It is a web-based software, which is Google Chrome compatible.
- Connecting to the PlantEye: device connected through LAN port of the laptop. Set an IP address for the laptop (automatic or manual). Connect to HortControl by entering IP address <http://192.168.177.250> in browser
- When setting up a new experiment in HortControl, your name should be included (Familyname_firstname_XXX) to the name of your experiment
- A **check-in sheet** is attached to the PlantEye. Please fill in your name, AG, TRR341 Project ID, the reserved block numbers, your experiment name, and the check-in and check-out times.
- After data acquisition, it is recommended for users to download their data directly on their laptop for data security and backup