



Scientific workshop

**“High-throughput measurement protocols in plant physiology”**



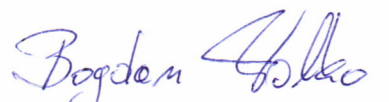
Institute of Plant Genetics PAS, Poznań, Strzeszyńska 34  
11 December 2012, 10:00 a.m.

POLAPGEN and PROPLAN consortia and the Institute of Plant Genetics, Polish Academy of Sciences, invite to a one-day scientific workshop devoted to the topic of modern plant phenotyping methods. The speakers will describe the current phenotyping needs of large plant genomics projects, the state of the art technologies in the area of plant phenotyping, and already working applications of such technologies. Possible activities of Polish research units will be discussed.

**Program**

10.00 – 10.10	Opening	Paweł Krajewski, IPG PAS Poznań
10.10 – 10.20	<b>PROPLAN: Photosynthetic capacity and transpiration efficiency in conventional, <i>acacia</i> and <i>afila</i> genotypes of field pea at the leaf- and whole-plant level</b>	Magdalena Gawłowska, IPG PAS Poznań
10.20 – 10.30	<b>POLAPGEN: A project on biotechnology for breeding cereals with increased resistance to water deficiency</b>	Anetta Kuczyńska, IPG PAS Poznań
10.30 – 10.50	<b>POLAPGEN: Analyzing the changes in the functioning of the photosynthetic apparatus of drought treated spring barley plants</b>	Katarzyna Żmuda, Department of Plant Physiology, University of Agriculture, Kraków
10.50 – 11.20	<b>High-throughput phenotyping – a boost for genomics in the 21st century</b>	Stefan Schwartz, LemnaTec, Germany
11.20 – 11.50	<b>Using non-destructive high-throughput phenotyping to assess drought tolerance in barley</b>	Kerstin Neumann, Leibniz- Institut für Pflanzengenetik und Kulturpflanzenforschung Gatersleben, Germany
12.00 – 12.45	Lunch Break	
12.45 – 13.15	<b>The application of chlorophyll fluorescence and related techniques to high-throughput phenotyping of photosynthetic properties</b>	Jeremy Harbinson, Wageningen University, The Netherlands
13.15 – 13.45	<b>Plant phenotyping at the Jülich Plant Phenotyping Centre</b>	Roland Pieruschka, EPPN and German Plant Phenotyping Network, Jülich Plant Phenotyping Centre, Germany
13.45 – 14.15	Discussion	

Participation in the workshop is free, but no travel expenses can be covered by the organizers. Registration is required – please send an e-mail with your name and affiliation until **7<sup>th</sup> December 2012** to Magdalena Gawłowska, [mgaw@igr.poznan.pl](mailto:mgaw@igr.poznan.pl), tel. 48 61 6550291.



prof. dr hab. Bogdan Wolko  
IPG PAS, Director