

Dr Izabela Pawłowicz

Laboratory of Cytogenetics

e-mail: ipaw@igr.poznan.pl

tel: (+48 61) 65 50 276

Field of specialization:

plant molecular biology

Research interests:

1. Studies on molecular response of *Festuca* species to dehydrative stresses.
2. Transcriptomic analysis of aquaporin genes in response of water stress in *Festuca* species.
3. Protein level analysis of PIP and TIP aquaporins during water deficit and cold acclimation in *F. arundinacea* and *F. pratensis* plants.

Training abroad:

France, Laboratoire d'Ecophysiologie de la Photosynthese DSV, DEVM, CEA/Cadarache (Dr. P. Rey)

National projects:

1. Project of Ministry of Science and Higher Education (no N N303 807640): "Analysis of aquaporin gene expression changes during dehydrative stress in the selected *Festuca* species", 2011-2014.

Main publications:

Pawłowicz I. (2010). Udział akwaporyn w transporcie wody u roślin. Post. Nauk Rol. 1/2010: 27-38.

Pawłowicz I., Rapacz M. (2010). Genotype differences in drought tolerance of photosynthetic apparatus in *Festuca arundinacea* Schreb. are connected with Cu-Zn SOD protein accumulation. Zesz. Problem. Post. Nauk Rol. 545: 191-197.

Pawłowicz I., Rapacz M., Bocianowski J. (2008). Identification of AFLP markers linked with low-temperature resistance in introgressions transferred from *Festuca arundinacea* to *Lolium multiflorum*. Plant Breeding and Seed Science 58: 3-10.1.

Yin Z., **Pawłowicz I.**, Bartoszewski G., Malinowski R., Malepszy S., Rorat T. (2004). Transcriptional expression of a *Solanum sogarandinum* pGT::Dhn10 gene fusion in cucumber, and its correlation with chilling tolerance in transgenic seedlings. CMBL 9: 891-902.

Pawłowicz I., Grygorowicz W.J., Rorat T. (2004). DHN10 dehydrin is not expressed in transgenic *Solanum* species plants when the Dhn10 gene is fused to a glucosyl transferase promoter. CMBL 9: 947-961.