

# Laboratory of Biochemical Genetics

**Leader: Prof. Bolesław Salmanowicz**

**Staff:**

**Dr Monika Langner  
Ewa Dopiera**

**PhD students:**

**Sławomir Franaszek, M.Sc.**

**Research topics:**

- Development of protein and molecular markers to assess important functional traits of wheat and triticale cultivars and breeding materials
- Assessment of varietal identity and biodiversity of cereals using electrophoretic, chromatographic and molecular methods,
- Investigation of the effect of genotype x environment interactions on variation in quantitative composition of storage proteins in cereals (wheat, triticale, barley, and oat),
- Analysis of variability qualitative traits in introgressive lines of wheat and triticale with fragments of wild species of *Triticum*, *Aegilops* and *Agropyron* genom,
- Application of rheological methods to assess flour properties at the early stage of selection of wheat and triticale breeding materials.