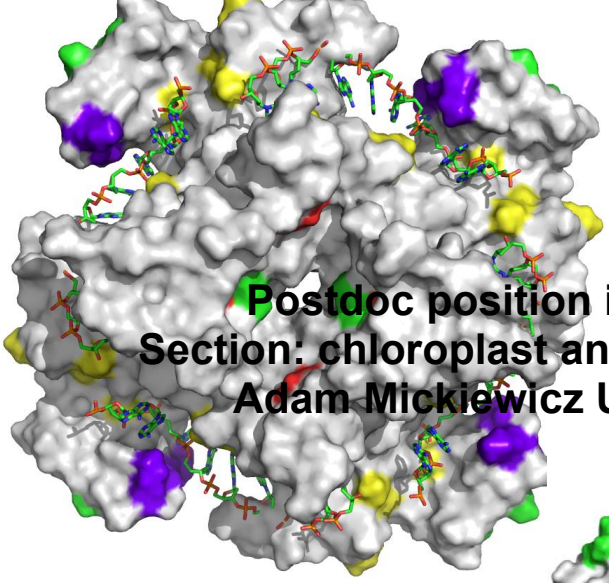
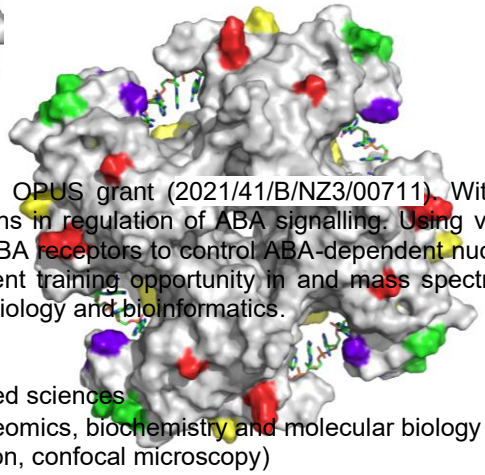
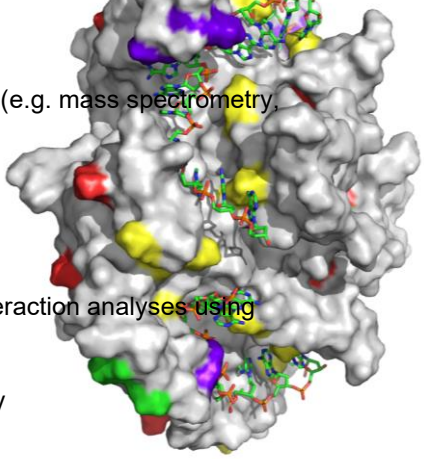


Postdoc position in Plant Proteomics
Section: chloroplast and mitochondrial proteins
Adam Mickiewicz University in Poznan





The position is funded by the NCN OPUS grant (2021/41/B/NZ3/00711). Within this project we aim to elucidate the role of WHIRLY proteins in regulation of ABA signalling. Using various approaches, we will analyse WHIRLIES cross talk with ABA receptors to control ABA-dependent nuclear gene expression. This postdoc position provides an excellent training opportunity in and mass spectrometry, molecular biology, protein biochemistry, plant systems biology and bioinformatics.

Requirements:
1. Doctoral degree in biology or related sciences
2. Hands-on experience in plant proteomics, biochemistry and molecular biology (e.g. mass spectrometry, molecular cloning, plant transformation, confocal microscopy)
3. Publishing achievements in the field of plant biology
4. Experience in conducting research projects
5. Very good communication skills in English

Scope of tasks:
• Generation of GFP/RFP/YFP-fusion lines of candidate proteins, and protein interaction analyses using confocal microscopy
• Analysis of protein degradation using cell free and in vivo degradation assay
• Analysis of protein ubiquitination and phosphorylation using mass spectrometry
• Generation, selection, and characterization of *Arabidopsis thaliana* mutants
• Analysis of kinase and phosphatase activities in mutants and overexpression lines
• RNAseg, CHIP-qPCR and EMSA analyses

Employment conditions:
• Type of contract: full-time via NCN funding (OPUS programme, principal investigator: prof UAM dr hab Agnieszka Ludwików)
• Duration of contract: 3 years (start date is negotiable)

We offer:
• Working in an ambitious team which collaborates with international groups
• Flexible working hours
• Attendance at national and international plant biology conferences

Application procedure and deadline
Required documents:
• CV including scientific achievements and a list of publications
• Cover letter

Application deadline: January 30th, 2024, the selected candidates will be invited for a scientific interview.
Contact: prof UAM dr hab Agnieszka Ludwików (ludwika@amu.edu.pl)
http://ibmib.amu.edu.pl/en/department-of-biotechnology/