Three PhD Positions in Plant Lipid Biology in the new research team led by dr Agnieszka Zienkiewicz, Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University, Poland

Three PhD positions are available at the Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University, Torun, Poland. All positions are related to the topic of plant lipids metabolism (lipid droplets degradation) in two model plants *Arabidopsis thaliana* and *Brachypodium distachyon*.

**PhD project 1** will include: protein expression and purification in different hosts, analysis of protein substrate specificity, protein cellular localization

**PhD project 2** will include: protein expression and purification in different hosts, analysis of protein substrate specificity, generation of transgenic plants by CRISPR/Cas9 system, lipid analysis by GC-FID

**PhD project 3** will include: protein-protein interaction (yeast two hybrid system, co-immunoprecipitation), lipid analysis by GC-FID, protein cellular localization (microscopy)

Required initial knowledge and skills of the PhD candidates:
- master degree in biology, biotechnology or biochemistry
- profound theoretical knowledge in molecular and cell biology
- experience in working with molecular biology (cloning, transformation techniques, RT-qPCR)
- good English skills, spoken and written

Required documents:
- Cover letter
- Curriculum vitae (including the publishing house/journal, year of publication, and page number)
- Copy of higher education diploma
- Document(s) confirming knowledge of English
- Declaration of consent to the processing of personal data contained in
the job offer for the needs of the recruitment process, in accordance with the Regulation (EU) 2016/679 of the European Parliament and of The Council od 27 April 2016 (L119/1).

All the positions are available from 1.01.2021. Documents should be submitted via e-mail: agazel@umk.pl before October 31, 2020 with a note in the email subject: PhD project 1, 2 or 3. For additional information about the research projects please contact: agazel@umk.pl.