MSCA PF HOSTING OFFER 2026 – ELTE, PLASTID BIOLOGY LAB

Name of the host institution	*ELTE Eötvös Loránd University*
Faculty *<opcionális; egyetem esetén>*	*Faculty of Science*
Name of the supervisor	*Katalin Solymosi*
Organisational Unit / Research Group	*Institute of Biology, Department of Plant Anatomy, ELTE Plastid Biology Lab*
Research Team	*Our research team has expertise in plastid biology and plant stress biology and in using methods like plant physiology, biophysics, biochemistry, proteomics, cell biology (ultrastructure), functional plant anatomy and developmental biology. Our main focus is on understanding chloroplast differentiation and the role of plastids in plant development, plant interaction with the environment ('plant immunity') and abiotic stress responses (focusing on light, salt, flooding and drought stress and subsequent recovery) in the wider contexts of sustainable agriculture and climate change. We also focus on various agricultural practices including the use of microalgal biostimulants to increase plant stress resilience towards these stressors. Our research team is composed of the following researchers:* - *Katalin Solymosi, Ph.D. habil.* - *Annamária Kósa-Vági, Ph.D.* - *Éva Sárvári, Ph.D.* *Around 4-5 BSc, MSc and PhD students are also involved in our group's activities.* *For more information contact us or see here: katalinsolymosi.elte.hu* *~~Ongoing/closed~~ ~~P~~projects involve a previous OTKA FK on salt and drought stress on the structure of plastids, an ongoing NKKP Advanced Grant on possible alleviation and recovery of salt and drought stress in crops, a Hungarian-Bulgarian bilateral grant~~s on understanding the desiccation tolerance of Haberlea rhodopensis, and COST SUSTAIN (CA22144) project on saline agriculture.*
Project experiences (EU / international)	*We have several ongoing international collaborations (see here). We are involved in COST SUSTAIN (CA22144) project on saline agriculture and applied for MSCA DN projects with part of the same network.*
Research Interests	*We expect the successful candidate(s) to conduct their research topics within the field of plastid biology. The project can cover any field of plastid biology, including the role of plastids in plant immunity (e.g. regulation of plastid structure and function within epidermal cells) and in abiotic (e.g. drought and salt stress) and biotic stress responses of plants. Other topics related to basic understanding of plastid development in plants and*

	algae are also welcome. The main purpose of the fellowship is to qualify researchers for work in higher academic positions within their disciplines, to develop inter- and transdisciplinary skillsets, as well as expertise in science policy and science outreach.
ORCID (link)	*0000-0001-5246-2547*
Contact e-mail	*katalin.solymosi@ttk.elte.hu*