

Potential Supervisor at the KUL Doctoral School

Research profile	
Name, surname, postdoctoral degree or a professor degree in a discipline	Hieronim Golczyk, dr hab. prof. KUL.
Scientific discipline: (according to disciplines offered by the KUL Doctoral School)	Biological sciences: cytogenetics, genetics.
Research profile: www address, Research Gate profile or Academia.edu profile	https://www.researchgate.net/profile/Hieronim-Golczyk
Research interests (areas of scientific research currently conducted)	Genetics and cytogenetics, structure and evolution of the nuclear genome, including DNA, chromatin, chromosomes and extranuclear genomes (e.g. plastid DNA - cpDNA). Repetitive DNA. Meiosis. Chromosome rearrangements. Molecular techniques (PCR) and cytomolecular techniques, i.e. a combination of molecular genetics, cytology/anatomy, cytochemistry and microscopic imaging.
Three most important publications within four calendar years (2019-2022)	<p><u>Golczyk H</u>, Hřibová E, Doležel J, Cuadrado A, Garbsch F, Greiner S, Janeczko M, Szklarczyk M, Maslyk M, Kubiński K. 2022. Migration of repetitive DNAs during evolution of the permanent translocation heterozygosity in the oyster plant (<i>Tradescantia</i> section <i>Rhoeo</i>). <i>Chromosoma</i> 129: 227–242. DOI: 10.1007/s00412-020-00740-x</p> <p>Greiner S, <u>Golczyk H</u>, Malinova I, Pellizzer T, Bock R, Börner T, Herrman RG. 2020. Chloroplast nucleoids are highly dynamic in ploidy, number, and structure during angiosperm leaf development. <i>Plant Journal</i> 102: 730-746. DOI: 10.1111/tbj.14658.</p> <p>Sobanski J., Giavalisco P., Fischer A., Kreiner J.M., Walther D, Schöttler M.A., Pellizzer T., <u>Golczyk H.</u>, Obata T., Bock R., Sears B.B., Greiner S. 2019. Chloroplast competition is controlled by lipid biosynthesis in evening primroses. <i>Proceedings of the National Academy of Sciences of the U.S.A.</i> 116: 5665-5674. DOI: 10.1073/pnas.1811661116</p>
Successful research grant applications at least at a nationwide level (max.6 grants):	<p>2016 r.–2019 r. " Grant NCN 2015/19/B/NZ2/01692. John Paul II Catholic University of Lublin – principal investigator.</p> <p>2007 r.–2010 r. Grant MNiSW N301 116 32/4008. Jagiellonian University – principal investigator.</p>
principal investigator	<p>2016 r.–2019 r. " Grant NCN 2015/19/B/NZ2/01692. John Paul II Catholic University of Lublin – principal investigator.</p> <p>2007 r.–2010 r. Grant MNiSW N301 116 32/4008. Jagiellonian University – principal investigator.</p>
investigator	2005r.–2008r. Grant MNiSW 2 P04C 072 29, Jagiellonian University – investigator.

	2005r.–2007r. Grant MNiSW 2 P06A 047 29, Agricultural University in Cracov– investigator. 2001r.–2004r. Grant MNiSW nr 6 P04C 005 21, Jagiellonian University – investigator.
Experience in PhD supervision	
Number of PhD already promoted	
Number of currently supervised PhD students	
Number of currently supervised PhD students before opening doctoral dissertation/program	
Number of currently supervised PhD students at the KUL Doctoral School	
Offer and requirements for candidates	
Potential PhD project topics which the supervisor would like to supervise	Repetitive sequences of DNA at the molecular and chromosomal level – their organization and meaning. Structure and evolution of genomes of selected taxa at the molecular (DNA) and chromosomal level.
Number of PhD students the supervisor would like to supervise	2
Requirements for candidates (e.g., research interests; current achievements; scientific, social or linguistic competences)	Diligence, conscientiousness, interest in research work.
Place for PhD individual work offered (e.g., laboratory, common room)	Laboratories of the Institute of Biological Sciences, including room 4.05, -1.14.
Fundings for PhD research offered	grants
Contact (e-mail, link to the Teams meetings)	Contact by e-mail: hieronim.golczyk@kul.pl