

Dr Katarzyna Czyż

Institute of Plant Genetics, Polish Academy of Sciences

ACADEMIC AND RESEARCH CAREER

- 2016 Adjunct, Institute of Plant Genetics, Polish Academy of Sciences, Poznań, Poland
- 2015 Ph.D. Institute of Plant Genetics, Polish Academy of Sciences, Poznań, Poland
- 2009 M.Sc. University of Adam Mickiewicz in Poznań, Poland
- 2007 B.Sc. University of Adam Mickiewicz in Poznań, Poland

MAJOR RESEARCH PROJECTS

- 2016 National Science Centre, Sonata UMO 2016/21/D/NZ8/01300, “Genome dynamics underlying nodulation capacity of early diverging legumes” – principal investigator
- 2016 National Science Centre, Opus 2016/21/B/NZ9/01875, “Origins and spread of the capacity towards synthesis of bioactive macrolactones in higher fungi” – co-investigator
- 2013 National Science Centre, Etiuda UMO 2013/08/TNZ2/00796, “Molecular and genetic analysis of selected genes involved in atmospheric nitrogen fixation in narrow-leafed lupin (*Lupinus angustifolius* L.)” – principal investigator

RESEARCH VISITS

- 2016 England, Kew Botanical Gardens, Haywards Heath, Sussex – research visit
- 2015 Australia, University of Western Australia, School of Plant Biology, Perth – research internship
- 2011 France, Evolution des Génomes et Spéciation, Université de Rennes – research visit

PUBLICATION (5 MAJOR PUBLICATIONS, LAST 5 YEARS)

Czyż KB, Książkiewicz M, Koczyk G, Szczepaniak A, Podkowiński J, Naganowska B (2020). A tale of two families: whole genome and segmental duplications underlie glutamine synthetase and phosphoenolpyruvate carboxylase diversity in narrow-leafed lupin (*Lupinus angustifolius* L.). *Int. J. Mol. Sci.* 2020, 21(7), 2580.

Susek K, Bielski W, **Czyż KB**, Hasterok R, Jackson SA, Wolko B, Naganowska B (2019). Impact of chromosomal rearrangements on the interpretation of lupin karyotype evolution. *Genes* 2019, 10(4), 259.

Szczepaniak A, Książkiewicz M, Podkowiński J, **Czyż KB**, Figlerowicz M, Naganowska B (2018). Legume cytosolic and plastid acetyl-coenzyme—a carboxylase genes differ by evolutionary patterns and selection pressure schemes acting before and after whole-genome duplications. *Genes* 2018, 9(11), 563.

Nelson MN, Książkiewicz, Rychel S, Besharat N, Taylor CM, **Wyrwa K**, Jost R, Erskine W, Cowling WA, Berger JD, Batley J, Weller JL, Naganowska B, Wolko B (2017). The loss of vernalization requirement in narrow-leafed lupin is associated with a deletion in the promoter and de-repressed expression of a *Flowering Locus T* (FT) homologue. *New Phytol.* 2017, 213, 220–232.

Wyrwa K, Książkiewicz M, Szczepaniak A, Susek K, Podkowiński K, Naganowska K (2016). Integration of *Lupinus angustifolius* L. (narrow-leafed lupin) genome maps and comparative mapping within legumes. *Chromosome Res.* 2016, 24, 355–378.