

**Personal data:**

Name: Alexandra Pál

Date of birth: 17.07.1990.

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Telephone: 06309521388

Address: 6725 Szeged

Education:

2005-2009 Rózsa Ferenc Grammar school, Békéscsaba

2009-2013 University of Szeged, Biologist BSc

2014-2016 Szent István University, Agricultural biotechnologist

2020-PhD studies, Doctoral School of Biology, University of Szeged, successful complex exam.

Competencies:

Precision, problem solving ability

Hardworking

Ability to work independently

Flexibility, adaptability

Open-minded to educate myself

Language skills:

German - level „C” language exam, 2007.

English - intermediate (B1+)

Other skills:

MS Office (Excel, Word, PowerPoint)

Driving license „B” category, 2007.

Professional experiences:

During my undergraduate BSc studies I examined the intestinal nervous system's pathological lesions in animals with diabetes and Crohn's disease. I used light and electron microscopic as well as molecular biological methods.

During my MSc studies I worked with polyethylene glycol-induced, drought tolerant wheat to upgrade the characteristics values of it (crop breeding) at Cereal Research, Non-profit Ltd in Szeged.

Scientific activities:

2020-

- Szeged Biological Research Centre - Research Assistant, Institute of Plant Biology
- Practical knowledge of molecular biology methods:
 - Polymerase chain reaction (PCR)
 - RNA/DNA Preparation
 - Cloning
 - Genotyping
 - Agarose gel electrophoresis
- Carrying out research tasks
- Design and implementation of greenhouse experiments

Some publications:

Complete articles

- N. Bódi, Zs. Jancsó, P. Talapka, A. Pál, M. Poles, M. Bagyánszki, E. Hermes, É. Fekete (2014) Gut region-specific rearrangement of the cellular and subcellular compartments of nitric oxide synthase isoforms after chronic ethanol consumption in rats. *Histology and Histopathology*
- P. Talapka, L. Nagy, A. Pál, M. Poles, M. Bagyánszki, L. G. Puskás, É. Fekete, N. Bódi (2014) Alleviated mucosal and neuronal damage at the acute phase of recurrent inflammation in a rat model of Crohn's disease.
- M. Bagyánszki, Z. Novák, N. Bódi, H. Orvos, A. Pál, É. Fekete (2009) Structural differences in the umbilical vein wall after full-term and preterm delivery. *Anatomia, Histologia, Embryologia*

Abstracts published in print

Conference presented in Hungarian

- Poles M. Z., Talapka P., Varga G., Pál A., Bagyánszki M., Kaszaki J., Fekete É., Boros M., Bódi N. (2014) Exogén metán hatása a myentericus nitreg neuronok kvantitatív sajátosságaira és a bélcsatorna motilitására mesenterális ischaemia-reperfúzió alatt kísérletes patkánymodellben. Tavaszi Szél Konferencia, Debrecen, Magyarország
- M. Z. Poles, N. Bódi, P. Talapka, G. Varga, A. Pál, M. Bagyánszki, J. Kaszaki, É. Fekete, M. Boros (2014) Effects of methane inhalation on the nitregic myenteric neurons and intestinal motility during mesenteric ischemia-reperfusion in rats. Doctoral Student Conference, Szeged, Magyarország
- Talapka P., Nagy L., Pál A., Puskás LG., Poles M., Bagyánszki M., Fekete É., Bódi N. (2013) Strukturális és molekuláris változások Crohnbeteg patkányok bélidegrendszerében. Tavaszi Szél, Sopron, Magyarország / 14. Kolozsvári Biológus Napok, Kolozsvár, Románia
- Poles M., Bódi N., Talapka P., Varga G., Tőkés T., Pál A., Bagyánszki M., Kaszaki J., Fekete É., Boros M. (2013) Exogén metán hatása a myentericus nitreg neuronok denzitására mesenterális ischaemia-reperfúzió alatt. A Magyar Élettani, Farmakológiai és Mikrocirkulációs Társaságok 2013. évi Közös Tudományos Kongresszusa, Budapest, Magyarország

Poster at international conferences

- Alexandra Pál, Edit Tímár, Rui M. Lima, Mohamad Anas Al Bouni, Sándor Jenei, Hilda Tiricz, Gabriella Endre and Éva Kondoros (2023)
Exploring the function of the MtnodGRP3C gene in the development of Nitrogen fixing nodules
15th European Nitrogen Fixation Conference (ENFC) Naples, Italy
- Saifi, F ; Fodor, L ; Horvath, B ; Kovacs, S ; Pal, A ; Biro, BJ ; Chen, Y ; Chen, R ; Kalo, P ; Domonkos, A (2021)
Two members of a nodule-specific cysteine-rich (NCR) gene cluster are required for symbiotic interaction in *Medicago truncatula*
MTA MBTB Köztestületi tagok fóruma, Az MTA Agrártudományok Osztálya, Mezőgazdasági Biotechnológiai Tudományos Bizottságának nyílt ülése, poster
- P. Talapka, L. Nagy, A. Pál, L. G. Puskás, M. Poles, M. Bagyánszki, É. Fekete, N. Bódi (2014)
Experimentally provoked recurrent inflammation improves mucosal healing and restoration of impaired morphology of myenteric neurons in a rat model of Crohn's disease.
IBRO Workshop, Debrecen, Hungary
- N. Bódi, Zs. Jancsó, Zs. Giricz, A. Pál, P. Talapka, M. Poles, M. Bagyánszki, E. Hermes, É. Fekete (2014) Changes of lysyl-oxidase expression in myenteric ganglia in different gut segments of streptozotocin-induced untreated and insulin-treated diabetic rats.
IBRO Workshop, Debrecen, Hungary
- N. Bódi, P. Talapka, G. Varga, T. Tőkés, M. Z. Poles, A. Pál, M. Bagyánszki, J. Kaszaki, É. Fekete, M. Boros (2013) Inhaled methane is preventing an increase in nitrergic myenteric neuron density and enhanced oxidative and nitrosative stress after mesenteric ischemia-reperfusion in rats. 21st United European Gastroenterology Week, Berlin, Germany
UEG. Journal 1 (Suppl 1) A393.
- P. Talapka, L. Nagy, A. Pál, L. G. Puskás, M. Poles, M. Bagyánszki, É. Fekete, N. Bódi (2013)
Experimentally provoked recurrent inflammation improves mucosal healing and restoration of impaired morphology of myenteric neurons in a rat model of Crohn's disease. 21st United European Gastroenterology Week, Berlin, Germany.
UEG Journal 1 (Suppl 1) A205.

Poszter magyar konferenciákon

- N. Bódi, Zs. Jancsó, Zs. Giricz, A. Pál, P. Talapka, M. Poles, M. Bagyánszki, E. Hermes, Fekete (2013) Changes of lysyl-oxidase expression in different gut segments of streptozotocin-induced untreated and insulin-treated diabetic rats. Biomedica Minikonferencia, Szeged, Magyarország