

CURRICULUM VITAE

Personal information

Name: Kateryna Pierzynowska (Goncharova)
Title: PhD
PN: 19880531-4260
Gender: Female
Citizenship: Ukrainian; Permanent Resident Permit: Sweden
Marital status: Married
Children: 1, born September 2016.
Email: Kateryna.A.Goncharova@gmail.com

Education

- 2016 Doctoral degree in the field of Animal Science, Agricultural sciences, the National Research Institute of Animal Production, Balice, Poland, PhD thesis topic: The physiological role of the exocrine pancreas and the brain structure and function in studies on pig model.
- 2015 Doctoral degree in the field of Human and Animal Physiology, Biological Sciences, the Bogomoletz Institute of Physiology, Kyiv, Ukraine, PhD thesis topic: The influence of enteral microbial enzymes on behaviour and of the CA1 hippocampal area neurons regeneration in aging Mongolian Gerbils.
- 2011 Master degree in the field of Cytology, Histology and Developmental Biology, Biological Sciences, Taras Shevchenko National University, Kyiv, Ukraine. Master thesis topic: Neuroprotective effects of preconditioning and post-conditioning in the modeling of ischemic brain injury (Diploma with honours).
- 2009 Bachelor degree in Biology, Taras Shevchenko National University, Kyiv, Ukraine (Diploma with honours).

Employment

- 2015-present Consultant in soft skills and entrepreneurship at "Edoradca" Innovation Center, Tczew, Poland.
- 2015- present Biomedical consultant at Alcresta Ltd, USA.
- 2015-present Biomedical consultant at Anara AB, Sweden.
- 2015 - 2016 PhD student in the National Research Institute of Animal Production, Balice, Poland (100%).
- 2011-2014 PhD student and Research Assistant in the Department of Cytology, Bogomoletz Institute of Physiology, Ukrainian Academy of Sciences, Kyiv, Ukraine (75% research, 25% teaching).

Postdoc stays

2016 – present Postdoctoral fellow/Researcher in Department of Biology Lund University, Sweden – member of Gut Group, support for the position was received from Anara AB, Sweden. Lund University is not institution where both doctoral theses were presented.

Foreign languages:

- Russian, Ukrainian – native speaker, English – fluently, Polish – fluently, Swedish – intermediate.

Total number of publications:

Original journal articles – 11, popular science articles – 4, conference proceedings – 25. (Total IF = 26.39, HI = 4 (Web of Science))

Industrial Grants

I. Ensuring of fat absorption in different systemic sicknesses - study on pig model. Grants from Allena Ltd, Boston, USA

Particular studies within the grant:

Testing the efficacy of microbial lipases for digestion of long chain polyunsaturated fatty acid (LCPUFA) in the infant formula in young pigs with total pancreatic insufficiency

Main publications:

A piglet with surgically induced exocrine pancreatic insufficiency as an animal model of newborns to study fat digestion. Goncharova K, Pierzynowski SG, Grujic D, Kirko S, Szwiec K, Wang J, Kovalenko T, Osadchenko I, Ushakova G, Shmigel H, Fedkiv O, Majda B, Prykhodko O. British Journal of Nutrition. Volume 112(12), pages 2060-2067. Published: 2014. 5-year IF – 3.572, Total number of citation excluding self-citations – 0

Diet supplemented with pancreatic-like enzymes of microbial origin restores the hippocampal neuronal plasticity and behaviour in young pigs with experimental exocrine pancreatic insufficiency. Goncharova K, Ushakova G, Kovalenko T, Osadchenko I, Skibo G, Pierzynowski SG. Journal of Functional Foods. Volume 14, pages 270-277.

Published 2015. 5-year IF – 3.859. Total number of citation excluding self-citations – 0

Testing the efficacy of immobilized *Rhizopus oryzae* lipase for digestion of long chain polyunsaturated fatty acid (LCPUFA) in the infant formula fed young pigs with total pancreatic insufficiency

Increased total Fat and long chain polyunsaturated fatty acid absorption in pigs with exocrine pancreatic insufficiency fed a formula pre-hydrolyzed with a novel point-of-care lipase (ALCT-460). Martin CR, Grujic D, Goncharova K, Szwiec, K, Kirko S, Pierzynowski S, Freedman SD. Pediatric Pulmonology. Volume: 49. Supplement: 38. Pages: 408-408. Meeting Abstract: 525.

Published: 2014. 5-year IF - 2.597. Total number of citation excluding self-citations - 0

Project title: PK and efficacy study in EPI pigs fed with G-tube EFIC prehydrolysed Peptamen AF

In-line digestive enzyme cartridge (EFIC (tm)), as a part of enteral feeding, facilitates effective fat absorption and increases omega 3 plasma levels in pig model of exocrine pancreatic insufficiency (EPI). Grujic, D; Maki, J; Olshaw, B; Mosiichuk, N; Parshykov, O; Yatzenko, T; Pierzynowski, S. Pediatric Pulmonology. Volume: 50. Pages: 405-406. Supplement: 41. Meeting Abstract: 563,

Published: OCT 2015. 5-year IF - 2.597. Total number of citation excluding self-citations - 0

The long term positive effect of G-Tube feeding with an in-line enzyme cartridge (EFIC (Tm)) on the tissue levels of Dha and Epa in pig model of exocrine pancreatic insufficiency (EPI). Grujic, D; Olshaw, B; Maki, J; Kirko, S; Prykhodko, O; Osadchenko, I; Kovalenko, T; Pierzynowski, S. Pediatric Pulmonology. Volume: 50. Pages: 406-406. Supplement: 41. Meeting Abstract: 564.

Published: OCT 2015. 5-year IF - 2.597. Total number of citation excluding self-citations - 0

Testing safety, tolerance and efficacy of enteral feeding with pre-term PREFIC hydrolyzed infant formula in a porcine model with gastrointestinal and pancreatic immaturity that mimics pre-term infants, BF-04 study