

In 2016 I obtained PhD degree in experimental medicine from the Department of Biochemistry at Medical University of Lodz under the supervision of prof. Jakub Fichna. In my studies I focus on the functional and inflammatory disorders of the gastrointestinal (GI) tract, as well as metabolic disorders, such as type 2 diabetes (T2DM). I am also interested in the regulation of G protein signaling in the gut, including RGS proteins, opioid, cannabinoid as well as serotonin receptors, their ligands and degrading enzymes in the pathophysiology of the GI-related diseases. In my research I mainly use animal models of GI disorders, as well as abdominal pain and T2DM. The goal of my research is to characterize novel molecular mechanisms that may be targeted in the treatment of GI and metabolic disorders. My scientific work so far resulted in publication of 39 original papers and 23 review articles with total H index = 19 (sum of times cited 1028). I have also been invited to give oral presentations about my research at several international conferences, including the European Opioid Conference 2013 held in Guildford, UK, VIth Joint Meeting on Medicinal Chemistry 2013 Lublin, Poland and United European Gastroenterology Week 2016, Vienna, Austria.

I was a member of the Young Talent Group of the United European Gastroenterology.

I am a current member of the Young Academy of the Polish Academy of Sciences.

I completed fellowships in the following research centers:

Neurobiology Research Unit, University of Copenhagen, Copenhagen, Denmark.

Chemistry and Medical Neuroengineering Independent Unit, Medical University of Lublin, Lublin, Poland.

Department of Neuroscience, The Scripps Research Institute, Jupiter, FL, USA.

Vanderbilt University Medical Center, Nashville, TN, USA.