CV Daniel Zielonka, MD, PhD

Personal Details

Full Name	Daniel Zielonka
e-mail	daniel.zielonka@gmail.com
Present Position	Head of the Laboratory of Rare Diseases and Neuroepidemiology at the Poznan University of Medical Sciences

Professional History

2012 - date	Adjunct in Chair of Social Medicine, Poznan University of Medical Sciences, Poland
2008	Specialist in Neurology
2006 - 2012	Assistant in Chair of Social Medicine, Poznan University of Medical Sciences, Poland

Qualifications (non-clinical):

2004	Doctor of Medical Sciences (Ph.D or D.Sc) - the Poznan University of Medical Sciences. Poznan, Poland. Title: “The number of CAG trinucleotides within the gene IT-15 in the context of clinical picture of the patients with Huntington disease” Supervisor: Prof. Piotr Kowal
2001	MD - The Poznan University of Medical Sciences, Poland.

Research Achievements

My PhD involved identifying factors contributing to progression of Huntington’s disease (HD) in humans and its rate of progression. I found that progression of HD is significantly correlated with number of CAG repeats in larger (mutated) allele of *HTT* gene. Continued researches resulted in description of gender differences in HD phenotype and progression in paper published (Zielonka et al. 2013). Due to interest in muscles disorders I identified new mutations in *CLCN-1* gene in patients with Becker miotonia (Zielonka et al. 2012). Later I was involved into research on muscles pathology in HD and this resulted in description of skeletal muscles involvement and cardiac muscles involvement published papers (Zielonka et al. 2014). Currently HD symptoms contribution to functional abilities is ongoing research subject. Moreover I conducting studies to explain gender differences in progression of HD, HD contribution to other disorders prevalence in HD patients and social aspects of HD.

I conduct several collaborative studies as follows:

2012 – present	IRB# 1087-98 “Clinical and Genetic Studies of Neurodegenerative Syndromes, Dystonia, and Restless Legs Syndrome”, Cooperation with PI of the study Professor Zbigniew Wszołek MAYO Clinic Jacksonville FL. USA.
2009 - 2011	European study on HD burden. Cooperation with PI Professor Mondher Toumi, Lyon, France.
2013 – 2014	Znaczenie mitochondrialnego DNA i wybranych czynników epigenetycznych na przebieg kliniczny choroby Huntingtona – Cooperation with PI Professor Janusz Limon from Gdansk Medical University.

In other institutions:

2009 – 2011 Principal Investigator | Institution: USI-MED

Clinical trial: Neurology, phase IIIb, randomized, multicenter. Title: A randomized, double-blind, placebo-controlled study of latrepirdine in patients with mild to moderate Huntington disease (HORIZON study).

2015-present Principal Investigator | Institution: SOLUMED MEDICAL CENTER

Clinical trial: Neurology, phase III, randomized, multicenter. Title: A randomized, double-blind, placebo-controlled study of piridopidine in patients with Huntington's disease (Pride-HD study).

Clinical trial: Neurology, phase III, randomized, multicenter. Title: A randomized, double-blind, placebo-controlled study of PDE10 inhibitor in patients with Huntington's disease (Amarylis study).

Observational study: Enroll-HD- observational multicenter cohort study.

Clinical trial: AB Science, phase III, randomized, multicenter. Title: A randomized, double-blind, placebo-controlled study of masitinib in Multiple Sclerosis.

Selected Awards, Honours

2016 – date	The Editorial Board member of Parkinsonism & Related Disorders, Current Updates in Endocrinology and Diabetes, Austin Palliative Care, SciTz Nutrition and Food Science, International Journal of Rare Diseases & Orphan Drugs, Journal of Syndromes and Gene Repair.
2015 – date	The Editorial Board member of SM Journal of Clinical Medicine, Current Pharmaceutical Design.
2010 – date	The Editorial Board member of Hygeia Public Health, Problemy Higieny i Epidemiologii, Neural Regeneration Research.

Journals reviewer:

- Parkinsonism & Related Disorders (40 manuscripts)
- Neurologia i Neurochirurgia Polska. IF 0,4 (25 manuscripts).
- Hygiene Public Health (8 manuscripts)
- JNNP. IF 4,7 (4 manuscripts). Received diploma from Editor-In-Chief for brilliant reviewing.
- Neurocase. IF 1,1 (1 manuscript).
- Plos One (1 manuscript).
- Medical Education. IF 2,69 (1 manuscript).
- The World Journal of Biological Psychiatry. IF 2,6 (1 manuscript).

Promoter of 15 Bachelor degrees and 10 Master degrees.

Winner of first prize for presentation at the Polish Students Medical Congress in Poznan in 2001 for presentation: "CORRELATION OF CLINICAL PICTURE IN PATIENTS WITH HUNTINGTON DISEASE WITH GENETIC EXAMINATION".

Selected Publications (57 total)

Zielonka D, Ren M, De Michele G, Roos RAC, Squitieri F, Bentivoglio AR, Marcinkowski JT, Landwehrmeyer GB. The contribution of gender differences in motor, behavioral and cognitive features to functional capacity, independence and quality of life in patients with Huntington's

disease.Parkinsonism Relat Disord. pii: S1353-8020(18)30006-3. doi: 10.1016/j.parkreldis.2018.01.006 (2018).

Zielonka D, Sowiński J, Nowak S, Ciesielska A, Moskal J, Marcinkowski JT. Melatonin and cortisol profiles in patients with pituitary tumors. Neurol Neurochir Pol.;49(1):65-9 (2015).

Zielonka D, Mielcarek M, Landwehrmeyer GB. Update on Huntington's disease: advances in care and emerging therapeutic options. Parkinsonism Relat Disord. Mar;21(3):169-78 (2015).

Zielonka, D., et al Skeletal muscles pathology in Huntington’s disease. Front. Physiol. 5:380 (2014).

Zielonka, D., Piotrowska, I., Mielcarek, M., Cardiac dysfunction in Huntington’s disease. Exp. Clin. Cardiol. vol 20 (8), 2547-2554 (2014).

Zielonka D, Marinus J, Roos RA, De Michele G, Di Donato S, Putter H, Marcinkowski J, Squitieri F, Bentivoglio AR, Landwehrmeyer GB. The influence of gender on phenotype and disease progression in patients with Huntington's disease. Parkinsonism Relat Disord. Feb;19(2):192-7 (2013).

Zielonka D, Jurkat-Rott K, Stachowiak P, Bryl A, Marcinkowski JT, Lehmann-Horn F. A Becker myotonia patient with compound heterozygosity for CLCN1 mutations and Prinzmetal angina pectoris. Neuromuscul Disord. Apr;22(4):355-60 (2012).

Zielonka D, de Mezer M, Niezgoda A, Reperowicz K, Krzyzosiak W, Kozubski W. Clinical picture of patients with Huntington's disease in relation to the number of trinucleotide CAG repeats in IT-15 gene. Neurol Neurochir Pol. Sep-Oct;36(5):903-9 (2002).