

Curriculum vitae

dr hab. Agata Leńska-Duniec, prof. AWFIS

agata.leonska-duniec@awf.gda.pl

ORCID: 0000-0001-6787-3760

ACADEMIC DEGREES

- 2019 **Postdoctoral degree in Physical Culture Sciences** – University of Physical Education and Sport in Gdansk, Poland, Subject of habilitation thesis: „Influence of polymorphisms of selected marker genes (*FTO*, *MC4R*, *LEP*, *LEPR*, *ADIPOQ*, *PPAR*, *ADRB2*, *ADRB3* and *ADRA2A*) on changes in body weight, body composition and selected biochemical indicators induced by a 12-week training programme”
- 2012 **Doctor of Philosophy (PhD) in Biological Sciences** – Faculty of Biology, University of Szczecin, Poland, Dissertation: „Molecular identification and phylogenetic analysis of thermophilic amoebae isolated from water reservoirs in Western Pomerania”
- 2008 **Master of Science (MSc) in Biological Sciences** – Faculty of Biology, University of Szczecin, Poland, Master’s thesis: „Molecular markers for identification of *Borrelia burgdorferi* sensu lato in the common tick *Ixodes ricinus*”

ACADEMIC AND RESEARCH CAREER -EMPLOYMENT IN ACADEMIC UNITS

- from 2019 **Gdansk University of Physical Education and Sport, Faculty of Physical Culture**
tenured research-and-teaching Associate Professor
- 2018 - 2019 **Gdansk University of Physical Education and Sport, Faculty of Physical Culture**
tenured research-and-teaching Assistant Professor

- 2012 - 2018 **University of Szczecin, Faculty of Physical Culture and Health Promotion**
tenured research-and-teaching Assistant Professor
- 2013 - 2017 **Gdansk University of Physical Education and Sport, Faculty of Tourism and Recreation**
tenured research Assistant Professor
- 2012 - 2013 **Gdansk University of Physical Education and Sport, Faculty of Tourism and Recreation**
research Assistant
- 2011 - 2012 **University of Szczecin, Faculty of Physical Culture and Health Promotion**
tenure-track research-and-teaching Assistant
- 2008 - 2010 **University of Szczecin, Faculty of Natural Sciences/Faculty of Biology**
research Assistant

ACADEMIC RECORD

- over 50 scientific papers published in Journals with Impact Factor (over 84 IF)
- H-index – Google Scholar 19
- Total citations – Google Scholar 863

RESEARCH PROJECTS

- 2018-2021 National Science Centre, Poland: **Searching for new genes in the context of genetic conditioning of sports-predispositions** (No. 2017/27/B/NZ7/00204) – Researcher
- 2013-2016 National Science Centre, Poland: **Effects of polymorphisms of selected genes (*ACE, AMPD1, ATP1A2, HIF1, PPARG, GABPB1, VEGF, PPARG, ACTN3, IGF1, IL6, TNF*) on the characteristics and extent of the body's adaptive response to training** (No. 2012/07/B/NZ7/01155) – Research Director

- 2012 UCT/MRC Research Unit for Exercise Science & Sports Medicine, University of Cape Town, Republic of South Africa: **Identification of genetic risk factors of musculoskeletal soft tissue injuries** – Researcher
- 2011-2012 University of Szczecin, Poland: **Application of molecular and microbiological methods for the detection of amphizoic amoebeae and their intracellular bacteria** (No. 504-1000-240-837) – Main Researcher
- 2008-2011 Polish Ministry of Science and Higher Education, Poland: **Polymorphisms of selected genes of highly skilled athletes as the basis for the construction of genetic profiles for pre-selection of players** (No. N N404 166334) – Researcher
- 2008-2011 Polish Ministry of Science and Higher Education, Poland: **Application of highly specific Reverse Line Blot (RLB) technique for differentiation of pathogenic protozoans isolated from natural water bodies in West Pomerania** (No. N N404 248635) – Researcher

ACADEMIC TRAINING SESSIONS

- Institution: **Charles University in Prague, Czech Republic**
Type of research stay: Visiting professor in the field of applying genomics in the biochemistry and physical performance
Duration: 1.06.2018 –02.07.2018
 - Institution: **Bronisław Czech Academy of Physical Education in Kraków, Poland**
Type of research stay: Academic training in the field of methodology of physiological research in sport
Duration: 14.09.2015 -25.09.2015
 - Institution: **Jerzy Kukuczka Academy of Physical Education in Katowice, Poland**
Type of research stay: Academic training in the laboratory of the Exercise Physiology Laboratory
Duration: 21.05.2012 -25.05.2012
 - Institution: **Gdansk University of Physical Education and Sport, Poland**
Type of research stay: Academic training in the field of methodology of physiological research in sport
Duration: 16.01.2012 -27.01.2012
-

AWARDS

- 2012 – University of Szczecin Rector's awards for Teaching Achievement
- 2013 – University of Szczecin Rector's awards for Scientific Achievement
- 2016 – University of Szczecin Rector's awards for Scientific Achievement

MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS AND EDITORIAL BROADS OF JOURNALS

- Member of Editorial Broad Baltic Journal of Health and Physical Activity
- Member of Polish Society of Genetics
- Member of European Association for Security

ACHIEVEMENTS IN ACADEMIC SUPERVISION

- Author: Agata Grenda, the title of doctoral dissertation: "Polymorphism of selected marker genes in competitive swimmers" (**as assistant supervisor**)

OTHER ACTIVITIES

- 31 original nucleotide sequences deposited in the Gene Bank of the National Biotechnology Information Centre (NCBI) database: JQ408984.1 - JQ409014.1

RESEARCH INTEREST

- Sport genetic
- Human obesity genes
- Genetic background of exercise-induced adaptation
- Genetic background of pain
- Physical activity for health