

# Dr KINGA HUMIŃSKA-LISOWSKA

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## Education

- 2018**      **Doctor of Philosophy (PhD) in Biological Sciences** - Faculty of Biology, University of Adam Mickiewicz, Poznan, Poland, Dissertation: „STATs, SOCSs as markers of renal allograft dysfunction - analysis of gene expression and single nucleotide polymorphisms”. Promoter: Prof. dr hab. Joanna Wesoly (Faculty of Biology, Laboratory of High-Throughput Technologies)
- 2011**      **The title of the laboratory diagnostician**  
Title awarded on 06.2011 by the Karol Marcinkowski Medical University in Poznań
- 06.2009**      **Master of Science (MSc) in Biotechnology - Poznan University of Life Sciences**  
Master's thesis entitled: "Analysis of nucleotide variability in selected exons of the DNAI-1 gene among Polish patients with PCD". Promoter: dr hab. n. med. Ewa Ziętkiewicz (Institute of Human Genetics, Polish Academy of Sciences in Poznan)
- 09.2008-02.2009**      Universidad Politécnica de Valencia, Spain  
Student exchange program „ERASMUS”

## Academic and research career

- from 12.2018**      **Gdansk University of Physical Education and Sport, Faculty of Physical Culture**  
tenured research-and-teaching Assistant Professor
- 11.2017 - 11.2018**      **Gdansk University of Physical Education and Sport, Faculty of Physical Culture**  
tenured research-and-teaching Assistant
- 04.2017 - 10.2017**      **DNA Research Center in Poznan**  
Deputy Head of the Medical Genetics Laboratory
- 04.2015 - 03.2017**      **DNA Research Center in Poznan**  
Head of the Genomics Laboratory
- 06.2013 - 04.2015**      **DNA Research Center in Poznan**  
Laboratory Diagnostician
- 08.2010**      **Hospital in Poznan „Lutycka”**  
Internships in the serology, microbiology and hematology laboratories
- 09.2008-02.2009**      **Universidad Politécnica de Valencia, Spain**  
Participation in a research project in Departamento Biotechnologia
- 08.2008**      **Medical University Clinical Hospital, Poznan**  
Internship at the Laboratory of Biochemistry and Cytogenetics
- 01.2007-06.2007**      **Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan**  
Internships at the Center of Excellence „CENAT”

## Research projects

- **2020-2021** - Commissioned research service “**1000 Genomes - genetic basis of physical activity, sport level and human well-being**” - Project manager
- **2019-2022** - National Science Centre, Preludium 15: “The impact of exercise-induced muscle damage, inflammation and oxidative stress on the intestinal microbiota in athletes” (UMO-2018/29/N/NZ7/02800) - Project manager

- 2018-2021 - National Science Centre, OPUS17 „ Search for new genes determining the predispositions of physical performance” (UMO-2017/27/B/NZ7/00204) - Researcher
- 2016-2019 - National Science Centre, OPUS11: „ Genotypic and haplotype analysis and the level of methylation of selected genes in the context of dopaminergic theory of motivation for activity and looking for thrills in athletes practicing various sports” (UMO-2016/21/B/ NZ7/01068) - Researcher
- 2013-2018 - National Centre for Research and Development, INNOMED: " Development and implementation of a comprehensive diagnostic algorithm for the prevention and personalization of treatment of HPV-dependent solid tumors" - Researcher
- 2015 - 2019 - National Centre for Research and Development, Biostrateg:„ GUTFEED - Innovative nutrition in sustainable poultry production” - Researcher, Scientific coordinator of the project
- 2007 - 2013 - National Centre for Research and Development: „Development of innovative genetic tests based on NGS technology" - Researcher
- 2007 - 2013 National Centre for Research and Development: „ Development and implementation of innovative genetic tests for prenatal diagnosis based on NGS technology " - Researcher

## Awards and scholarships

01.01-30.09.2012	Pro-quality scholarship for 30% of the best PhD students
2008 - 2012	A scholarship holder of the Foundation for Polish Science, FOCUS program no. 3/2008: „Multifunctionality of STAT proteins in the progression and development of renal parenchyma cancer.” - Project manager: prof. UAM dr hab. Joanna Wesoly.
2009 - 2010	"Scholarship support for doctoral students in fields considered strategic from the point of view of the development of Wielkopolska". Regional Innovation Strategies of the Human Capital Operational Program co-financed by the European Union under the European Social Fund. "Molecular, prognostic diagnostic markers of kidney transplant rejection - expression and polymorphism analysis."

## Achievements in academic supervision

### ➤ *As a reviewer:*

1. **Reviewer of master thesis of Wang Keli:** „Analysis of the impact of badminton on adolescent health.” Promoter: dr Monika Michałowska-Sawczyn, Gdansk University of Physical Education and Sport, 2019

### ➤ *As a research internship supervisor:*

1. **dr Agata Rzeszutko** (University of Rzeszow) - internship at the Laboratory of Sport Genetics - Gdansk University of Physical Education and Sport (October 2019 - January 2020). Molecular techniques training.
2. **Katarzyna Kecler** (Medical University of Szczecin) - internship at the Laboratory of Sport Genetics - Gdansk University of Physical Education and Sport (September - October 2019). POWR.03.01.00-00-S029/17-00. Molecular techniques training.
3. **dr Małgorzata Michalczyk** (AWF w Katowicach) - - internship at the Laboratory of Sport Genetics - Gdansk University of Physical Education and Sport (June - July 2019). Molecular techniques training.

## Membership in scientific organizations and editorial boards of journals

- **Reviewer in the BMC Sports Science, Medicine and Rehabilitation journal**
- **Member of the National Chamber of Laboratory Diagnosticians**
- **Member of the Polish Biochemical Society**

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## Research interest:

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- Human genetics and sport genetics
- Inflammatory processes and muscle damage induced by exercise
- The influence of physical exercise on the gut microflora
- Molecular background of exercise-induced adaptation