

# Gabriela Wójcik

Passionate and committed researcher with well-grounded experience in laboratory techniques focused on human corneal endothelial cells and DMEK tissue.

## Education

- 2013 – 2015 **Master of Science (MSc) in Biology, specialization: Cell biology** at Jagiellonian University, University of Kraków, Poland.
- 2010 – 2013 **Bachelor of Science (BSc) in Biology** at Jagiellonian University, University of Kraków, Poland.

## Work experience

- 12.2018 – Present **Research Assistant** at Fondazione Banca degli Occhi del Veneto – ONLUS, Venice, Italy.

Developing the new medical devices for Descemet Membrane Endothelial Keratoplasty (DMEK) surgery.

Responsible for production and tests of membranes for DMEK surgeries by using endothelial and stem cells lines.

Expanding of the new strategies to improve banking and conservation conditions of corneas.

Developing of new methodologies and techniques for a better understanding of corneal physiopathology.

- 01.2017 – 11.2018 **Research Technician** at Plymouth University, Institute of Translational & Stratified Medicine (Peninsula Schools of Medicine and Dentistry), Plymouth, United Kingdom.

Maintain mice strains, harvest organs and isolated cells, genotype mice and maintain their records.

Performing various cell culture techniques involving mice and human primary cells and cell lines (tumors cell lines).

Provide training of routine techniques and use of designated specialist equipment to students.

Coordinate and assist other group members in the day-to-day running of the laboratory, provide support to other co-workers and contribute to team working within department.

Supporting formulation of laboratory activities, which include laboratory set-up, and provision of technical resources.

Managing internal and external stakeholder's requirements and provide regular reporting and documentation updates.

- 10.2013 – 04.2015 **Stem Cell Researcher** at Jagiellonian University, Krakow, Poland.

Final Year Research Project: " Optimization of liposomal transfection of mesenchymal stem cells. "

Investigated the optimization of liposomal transfection of human mesenchymal stem cells (hMSCs) via non-viral carriers FuGENE HD (Promega) and Lipofectamine 2000 (Invitrogen, Life Technologies) in accordance with and GLP and ICH guidelines.

- 10.2012 – 06.2013 **Undergraduate Research Project** at Jagiellonian University, Krakow, Poland.

Investigated the transfection methods for MSCs.

Performed lipofections of hMSCs lines via FuGENE HD (Promega) and Lipofectamine 2000 (Invitrogen, Life Technologies) and by using different bacterial plasmids in order to verify efficiency of standard company protocols.

- 06.2013 – 09.2013 **Summer Internship** at Jagiellonian Centre of Experimental Therapeutics (JCET), Kraków, Poland.
- 06.2012 – 09.2012 **Summer Internship** at Laboratory of Microbiology Department, Collegium Medicum, Kraków, Poland.

### List of publications

1. Interleukin-2-regulatory T cell axis critically regulates maintenance of hematopoietic stem cells. *Oncotarget*, 2017
2. NFAT-mediated defects in erythropoiesis cause anemia in *Il2*<sup>-/-</sup> mice. *Oncotarget*, 2017
3. B cell development is critically dependent on NFATc1 activity. *Nature CMI*, 2018