



# Maja Myrcha

I graduated 'Summa Cum Laude' from Warsaw University of Technology with master's degree in Biotechnology. I am motivated and capable young scientist with over three years of experience in pharma/biotech companies. I am highly interested in cancer combination treatment and I want to focus my research on innovative cancer therapies.

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## PROFESSIONAL EXPERIENCE

### **Recepton Sp. z o.o., Poland**

**05.2018 – 01.2020**

*Scientist*

Working on the project aiming to build a library of recombinant immunoreceptors that are involved in control of immune system and to further estimate the effect of a drug candidates on the immune checkpoint interactions.

### **Polpharma Biologics, Poland**

**04.2017 – 04.2018**

*Downstream Process Development Assistant*

Working on the monoclonal antibodies development for the treatment of various genetic diseases developing scalable protein purification processes.

### **University College Dublin, Ireland**

**07.2016 – 09.2016**

*Erasmus Intern*

Working on creating superparamagnetic microparticles for use in biological affinity separations (purification of cells, viruses, and macromolecules).

### **Gwangju Institute of Science and Technology, School of Life Science, South Korea**

**06.2015 – 08.2015**

*Intern*

Working on CRISPR system proteins production and study, mainly *Staphylococcus epidermidis* Csm1 protein.

### **Institute of Biochemistry and Biophysics Polish Academy of Sciences, Poland**

**09.2014**

*Intern*

Assessing fertilizers influence on plants biochemical pathways, monitoring levels of plant polyphenols, chlorophyll and sterols.

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## EDUCATION

### **Warsaw University of Technology, The Faculty of Chemistry, Poland**

**03.2016 – 06.2017**

degree: Master of Science in Engineering in Biotechnology

Thesis: "Bioethanol production from organic waste"

The thesis is focused on alternative energy sources as means of renewable energy production for the future. The yeast strains fermenting with high efficiency wastes from sugar production, molasses, thick juice and sludge II were identified. The bioethanol was also produced on wheat and Secale straw hydrolysates in order to determine the yeast strains which are able to ferment xylose.

**Warsaw University of Technology**, The Faculty of Chemistry, Poland

**10.2012 – 02.2016**

degree: Bachelor of Science in Engineering in Biotechnology

Thesis: “Biosynthesis and accumulation of glycinoprenols in *Arabidopsis thaliana*” conducted in Institute of Biochemistry and Biophysics, Polish Academy of Science

Analysed polyprenols, dolichols and glycinoprenols content in three *Arabidopsis thaliana* natural accessions, in their seedlings, leaves and flowers during stages of plant development. Examined the expression profile of two selected genes encoding enzymes involved in polyisoprenoids biosynthesis: cis-prenyltransferase 3 (CPT3) and 7 (CPT7). Took the effort to determine the involvement of phytol in glycinoprenols biosynthesis.

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## SCIENTIFIC ACTIVITY

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### Certified Courses

- HPLC and Techniques related to it
- Spectrophotometry
- Sensors and biosensors in medical diagnostic

### Publications & Participation in conferences

Konieczny M, Musielak B, Kocik J, Skalniak L, Sala D, Czub M, Magiera-Mularz K, Rodriguez I, **Myrcha M**, Stec M, Siedlar M, Holak TA, Plewka J. Di-bromo-Based Small-Molecule Inhibitors of the PD-1/PD-L1 Immune Checkpoint. *J. Med. Chem.* 2020; 63(19): 11271–11285

<https://doi.org/10.1021/acs.jmedchem.0c01260>

Co-author of poster: “Technology platform designed for the development and study of therapeutics used in cancer immunotherapy. Development of small molecules for the immune checkpoint blockade in combination cancer immunotherapies.” presented on Molecular Biology and Immunology of Cancer- R&D perspectives: ScanBalt Forum 2019.

Main author of poster: “Expression and purification of *Staphylococcus epidermidis* Csm1” presented on 13th International Congress of Young Chemists “YoungChem”, 2015.

### Additional Activity, Awards

Academic scholarship: “State-ordered education in technical, mathematical and natural science fields of study” in the academic years 2012-2016.

Member of Biotechnology Student Association “Herbion” from 10.2014 to 06.2017.