

Adam Proksza

☎ 07832647643 ✉ adamproksza@gmail.com 🔗 <https://www.linkedin.com/in/adam-proksza-insidethegenome/>

EDUCATION

Short Courses - Genetics in Medicine, Molecular Techniques, NGS

St George's, University of London, UK, 2021 – Now

MSci Hons Genetics – 2:1

The University of Nottingham, UK, 2017 – 2021

Science with Foundation Year

The University of Nottingham, UK, 2016 – 2017

International Baccalaureate Diploma Programme

IB World School 00349, Katowice, Poland, 2013 – 2016

EXPERIENCE

4th-year MSci Genetics Project – DEFA1A3 Gene Expression in Immune Cells, with Particular Focus on NK Cells

- Collaborated with supervisor's lab group to establish a PCR-based DEFA1A3 gene expression testing system.
- Tested +100 samples using PCR. Designed 8 PCR primers and optimized PCR conditions.
- Isolated 7 PBMCs and 4 NK cells samples from the whole blood. Extracted RNA and performed RT-PCR.
- Analysed research findings in a +4000 words manuscript and presented the outcomes to the supervisor and students using PowerPoint presentation and poster approaches.

3rd-year MSci Genetics Bioinformatics Cancer Project – Transcriptomics Data Analysis

- Evaluated the effect of DMSO on the Ht-29 cell line's gene expression levels.
- Integrated bioinformatics strategies into a pipeline that compared differently treated sets of cells.

2nd-year MSci Genetics Dissertation – Genetic Therapy Against HIV-1: CCR5 Targeted by CRISPR-Cas9

- Prepared a 3000 words review article based on analysis and interpretation of primary scientific literature.

2nd-year MSci Genetics Group Project – The Courtship Behaviour Among Different Types of *D. melanogaster*

- Managed and coordinated 4-member team actions. Communicated the outcome of the research to the public with the PowerPoint presentation and lab report.

Volunteer Research Assistant – Tick-borne Diseases

The Medical University of Silesia, Katowice, Poland, 2015 and 2017

- Isolated DNA from +80 ticks and identified samples containing the genetic material of 3 selected pathogens.
- Established School-University cooperation, where data generated in the University lab enriched school projects.

VOLUNTEERING & INTERESTS

- Represented the school of Life Science students to the academics for 2 years – *Genetics Course Representative*.
- Mentored and guided Year 1 Life Science students – *Peer Assisted Study Support leader*.
- Collaborated with Students' Union to organise welcome events for 1st-year students – *Welcome Mentor*.
- Initiated and managed action of 2 sports teams for Biology Society – *Sports Secretary*.
- Prepared Biology Society volleyball team for weekly matches and coordinated teams performance while cooperating with IMS league volleyball coordinator – *Volleyball Team Capitan*.

ADDITIONAL SKILLS

- **IT** – Proficient in the use of Microsoft Office (Excel, Word, PowerPoint), BioEdit, Primer3, UCSC and Ensembl.
- **Languages** – Polish (Native), English (Proficient), Spanish (Intermediate).