

Elaine McGregor

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PERSONAL PROFILE

An accomplished Masters Student studying Biotechnology with excellent general, technical, analytical, scientific and team participation abilities. Key skills include planning, organising and problem solving through effective teamwork, creative and logical thinking. Track record of excellence in all aspects of work undertaken and keen to secure relevant industry placement.

EDUCATION

2017-Present **MSc Biotechnology, University College Cork**

Subjects Include: Advanced Molecular Microbial Biotechnology, Genetic Engineering, Modern Methods in Analytical Chemistry, Plant Genetic Engineering, Bioprocess Engineering, Biopharmaceuticals: Formulation Design, Secondary Processing and Regulatory Compliance, Functional Foods for Health.

2013 – 2016 **BSc. Microbiology, University College Cork**

Overall Result: 1H1

Final Year Subjects: Food Biotechnology (1H1), Food Fermentation and Mycology (1H1), Microbial Food Safety (1H1), Eukaryotic Molecular Genetics (1H1), Molecular Biology and Physiology of Bacteria (1H1), Advanced Medical Microbiology (1H1), Current Advances in Immunology (1H1), Computational Biology (1H1) and Research Frontiers in Microbiology (2H1).

Awards: Received the title of 'College Scholar' as part of the undergraduate college scholarships scheme based on excellent academic results in 2014/'15/'16.

Awarded a certificate for academic excellence by the 'Microbiology Society' in 2015.

Final Year Research Project (FYP): 'An examination of the prevalence, diversity and distribution of antibiotic resistance genes amongst elderly individuals from contrasting residence locations.' **Overall Result:** 1H1

- Objective: To identify and determine the variety, prevalence and effect of subject location on the frequency of antibiotic resistance genes identified from human gut metagenomics datasets.
- Developed technical writing ability through the completion of a final report.

LABORATORY & BIOINFORMATIC SKILLS

- Completed over 500 hours in the laboratory over the last four years
- Bacterial culture identification
- Media Preparation
- HPLC
- PCR
- ELISA
- SDS-PAGE Electrophoresis
- Gene prediction using 'metagenemark'
- Genome visualisation and annotation using 'Artemis'
- Management and recording of data
- Vector NTI, Excel, Word, Power point.

2007-2013

Leaving Certificate, Glanmire College, Glanmire, Co. Cork.

540/600 points including **A2** grades in Biology, German and English and a **B1** in Chemistry, all at higher level.

RELEVANT EXPERIENCE

JUNE 2016 – AUGUST 2016 | GLAXOSMITHKLINE, DUNGARVAN, CO. WATERFORD | LAB ANALYST (QC)

Responsibilities

- Worked as a pro-active and flexible team member to meet and exceed manager and personal expectations.
- Liaised effectively with management to highlight and resolve issues within the company.
- Implemented SOPs to conduct micro finished product, stability and raw material testing, as well as nitrates and heavy metals chemistry water testing and also water conductivity testing.
- Communicated key data in month end reports.
- Utilised SAP (M-ERP) system to report lab results.
- Wrote and updated SOPs to a professional standard.

JUNE 2015 – SEPT 2015 | GLANBIA INGREDIENTS, CO. KILKENNY | QUALITY CONTROL

Responsibilities

- Carried out in house testing of products in a lab environment using laboratory equipment.
- Inducted all new site contractors in cGMP (multiple times per week).
- Coordinated the installation, setup and operation of a ProceScan (FTIR unit) with FOSS (unit suppliers) and GEA (installation). Created multiple SOPs and handover documents relating to validation of unit.
- Utilised SAP to create labels for and organise the shipping of product samples for external analysis.
- Heavily involved (sole QA representative in a collaboration between operations, engineering, automation) in validation trials (PQ) of process equipment (evaporator, Ceramic Micro Filter [first of its kind in Europe]).
- Worked as part of large, diverse team which operated on shift.
- Trained operators and lab technicians how to conduct necessary QA testing of intermediates.
- Received training in the operation, maintenance, verification and calibration of analytical equipment in the QC lab.
- Configured quality control cloud storage system to improve efficiency for both Glanbia and its clients.
- Extensively involved in both internal and external audits of plant which allowed me to fully understand the importance of a high quality controlled, compliant plant.

OTHER EXPERIENCE

SEPT 2013 – PRESENT (WEEKENDS) | MONSOON ACCESSORIZE, MERCHANTS QUAY, CORK | SALES ASSISTANT

Responsibilities

- Operation of cash register including handling and balancing of all cash and card transactions.
- Adapted successfully to many different roles with differing levels of responsibilities within the store as part of a diverse team.
- Trained colleagues in customer service & cash register operations.
- Successfully balanced heavy college workload with weekend work.

INTERESTS AND ACHIEVEMENTS

- Student Member of UK Biochemical Society – Currently hold the position of a Biochemical Conference Committee Member, organising the 49th annual conference.
- Active member of the Biochemistry and Biotechnology society at UCC.
- Hockey – member of the UCC ladies' thirds team and I am an active person, exercising weekly.
- Charity – successfully completed two Echo women's mini marathons in aid of the HOPE foundation.
- Manual Handling training - attained in 2015.
- HACCP - (Hazard Analysis Critical Control Point), a food safety course undertaken in 2016.
- Clean full license holder since 2013 with access to own car.

REFERENCES

Available on Request