

John Murphy

Ballinabearna | Ballinhassig | Co. Cork

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PERSONAL PROFILE

A friendly, enthusiastic and ambitious 3rd year Biotechnology student offering a wide range of valuable transferable skills gained through scientific study, production management, volunteering and sports that can be applied across various job roles and functions. Keen to utilise these skills in a relevant industry placement.

EDUCATION

2015 – Present **BSc. Biotechnology, University College Cork**

Year 2 Overall Result: Pending (Semester 2 Result: 1H1)

Subjects Included: Introduction to Biostatistics (2H1), Biomolecules (2H1 including 76% in labs), Fundamentals of Organic Chemistry (1H1 including 85% in labs) Fundamentals of Microbiology (2H1), Principles of Microbiology(2H1), Principles of Metabolic Pathways (1H1), Aromatics, Carbonyls and Alkenes (1H1), Introductory Molecular Biology (2H2).

Year 1 Overall Result: 1H1

Subjects Included: 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 2016.

Awarded a certificate for academic excellence by the 'Microbiology Society' in 2016.

Project Work: 'To investigate the statistical value of specific sepal and petal characteristics in the Iris flower, in classifying specimens of the flower among three particular species'. **Overall Result:** 1H1

- Objective: Using SPSS this data was examined through graphs and tables and used to draw conclusions based on the significance of the findings.
- Presented a presentation of my findings to lecturers and fellow students.

LABORATORY & BIOINFORMATIC SKILLS

- Completed over 300 hours in the laboratory over the last two years.
- Aseptic Techniques.
- Isolation of Bacterial Cultures.
- Microbial Cultivation.
- Polymerase Chain Reactions (PCR).
- Clinical Diagnosis of Disruptions to Glucose Metabolism by measuring blood glucose levels.
- Membrane Filtration.
- Isolation of living of microorganisms from soil.
- Vector NTI, Excel, Word, Power point.

2007-2013

Leaving Certificate, Kinsale Community School, Kinsale, 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.

OTHER EXPERIENCE

JUNE 2008 – PRESENT | FAMILY FARM, BALLINHASSIG, CO. CORK | GENERAL DUTIES

Responsibilities

- Overall responsibility for running of Family Farm 3 days a week during the summer months
- Responsible for maintenance of the electric fence network, inspection, repairs, monitoring and repairing faults
- General farm duties such as: feeding animals, maintenance of farm infrastructure cleaning etc
- Order supplies of animal feed, fertilizer, fuel etc. for farm. Complete paperwork when goods are delivered
- Responsible for animal welfare; ensure injections are up-to-date. Also make contact with vets when necessary.
- Complete appropriate documentation required by the Department of Agriculture in relation to the pesticides and vaccinations used

SEPT 2015 – MAY 2016 | UNIVERSITY COLLEGE CORK, CO. CORK | CLASS REPRESENTATIVE

Responsibilities

- Gathered the opinions of the class
- Voiced the opinions of the class at meetings
- Acted as spokesperson for the group in order to ensure constructive dialogue with the College
- Communicated ideas and concerns from the class at meetings
- Acted as a liaison between staff and students
- Informed the class of staff reaction to their opinions
- Acted as a source of information for students

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
- Hurling - Member of Lismire GAA. Member of teams that won hurling titles including West Senior Championship 2008, County Senior League 2009 and U16 B County Championship 2005
- Hurling – Elected PRO of the Club in 2014 and currently acting as Vice Chairperson representing the club at local and intercountry board meetings
- 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