





ANTHONY MAGUIRE

BSC. INDUSTRIAL BIOCHEMISTRY

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PERSONAL PROFILE

- A BSc. Industrial Biochemistry Graduate in the University of Limerick with a Second Class Honours Grade 1, 2.1.
- Proven hands-on industry experience working as a QC Analyst for a nine month period in Teva Pharmaceuticals.
- Strong background in raw material, in-process and finished product testing in accordance to SOPs, GMP and GLP.
- Hands-on Python, MATLAB, R, Polymath, Materials Studio, PyMOL/QuteMol and LaTeX experience.
- Exposure to Machine Learning and Crystallization Kinetics for the creation of ANNs on MATLAB and Python.
- Currently looking for an opportunity to excel in a challenging working environment & become a valuable asset to the team.

WORK EXPERIENCE

QC ANALYST INTERNSHIP

Tosara Pharma Ltd | Teva Pharmaceuticals
Jan 2020 – Sep 2020

Testing

- Responsible for preparation and testing of raw materials, in-process and finished product testing to ensure conformance with quality standards.
- Preparation of technical documents for results of laboratory experiments.
- Use of SAP for results of testing and material management.
- Calibration & troubleshooting of equipment.

Documentation & Compliance

- Ensuring experiments are completed in accordance to SOPs, GLP and cGMP.
- Writing SOPs, dealing with LIRs and stock management of chemicals needed for the QC lab.
- Creating work instructions for specific laboratory tasks, exposure to MSDS and CoAs of chemicals & disposal of chemical waste in accordance to EHS.

Project Management

- Improving & digitising raw material sample retention system, and QC documentation archiving.
- Changing and updating relevant SOPs for the improved systems, requesting DCR forms for the SOPs, implementing required training to relevant operators.
- Liaising with external companies for the storage of documents & excess materials.

RELEVANT SKILLS

- Experience in writing SOPs, dealing with LIRs and ensuring compliance to cGMPs
- Proficient laboratory skills and analytical methods for greater efficiency in testing
- Use of HPLC/Wet chemistry analysis, bioinformatic tools, IR spectroscopy, troubleshooting and diagnostics
- Hands-on Python, MATLAB, R, Polymath, Materials Studio, PyMOL/QuteMol and LaTeX experience
- Advanced in Microsoft Office Applications, SAP and Trackwise Harmony
- Highly proficient problem solving and communication skills
- Competent teaching ability from providing a lecture in 'Immuno and DNA Diagnostic Techniques (ZIKV)'

OTHER WORK EXPERIENCE

SALES ASSISTANT

Sports Direct | Brandmax
Feb 2019 – Dec 2019

- Receiving and storing deliveries of large amounts of stock.
- Proficient cash management from exposure to carrying out transactions, completing online orders, processing refunds & balancing the register.
- Carrying out seasonal changes to floor plan, price reductions, stock audits.
- Assisting customers in product selection and any queries they may have in person, or over phone.
- Responsible for ensuring that products and brands are represented effectively in stores to create a positive customer experience in a retail environment.

SALES ASSISTANT

Jack & Jones
Nov 2018 – Jan 2019

FLOOR STAFF

Smyths Bar & Icon
Feb 2018 – Oct 2018

SALES ASSISTANT

Fermoy Books
Nov 2015 – Jan 2016

EDUCATION

BSC. INDUSTRIAL BIOCHEMISTRY

University of Limerick
Aug 2017 – May 2021

- Modules included
 - Analytical Chemistry, Bioprocess Engineering, Safety & Industry, Quality Management, Bioinformatics and Chemometrics.
- Second Class Honours Grade 1, 2.1.
- Current QCA – 3.01.

LEAVING CERTIFICATE

St. Colman's College
Sep 2012 – May 2017

- Completed 7 honours.
- Achieved 445 points.

THESIS / PUBLICATION

MODELLING THE CRYSTALLIZATION KINETICS OF ORGANIC COMPOUNDS USING ARTIFICIAL NEURAL NETWORKING/ BACKPROPAGATION ANN FOR CRYSTALLIZATION KINETICS OF ORGANIC COMPOUNDS

- In-depth knowledge of Machine Learning and Crystallization Kinetics
- Proficient in creating neural networks on Python and Matlab
- Proficient in LaTeX for publishing professional scientific papers
- Nominated for Best Thesis in the Department of Chemical Sciences UL 2021
- Thesis: Modelling the Crystallization Kinetics of Organic Compounds Using Artificial Neural Networking
- Pending Publication: Backpropagation ANN for Crystallization Kinetics of Organic Compounds

REFERENCES

Tosara Pharma Ltd.

Manager: Arul Viswanathan

University of Limerick

FYP Advisor: Vasanth Kannuchamy

Sports Direct | Brandmax

Manager: Liam Lapina

Jack & Jones

Manager: Tara Roddy

References available upon request.