





# ANTHONY MAGUIRE

BIOTECH TECHNICAL WRITER – ELI LILLY  
QC ANALYST – TEVA

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## PERSONAL PROFILE

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- 2+ Years proven hands-on industry experience working as a Biotech Technical Writer for Eli Lilly, in addition to working as a QC Analyst for Teva Pharmaceuticals.
- Strong background in raw material, in-process and finished product testing in accordance to SOPs, cGMP and GLP.
- Relevant experience in cGMP documentation & compliance, deviations, validations and change controls.
- Hands-on MATLAB, C, C++, R, Java, JavaScript, HTML, Polymath, Materials Studio, PyMOL and LaTeX experience.
- Exposure to Machine Learning and Crystallization Kinetics for the creation of ANNs on MATLAB and Python.
- BSc. in Industrial Biochemistry in the University of Limerick, Ireland (Grade – 2.1).
- Currently looking for an opportunity to excel in a challenging working environment & become a valuable asset to the team.

## EXPERIENCE

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### BIOTECH TECHNICAL WRITER

Eli Lilly Kinsale Ltd | Eli Lilly and Company  
Oct 2021 – Present

#### Documentation & Compliance

- Responsible for the design, generation and updating of facility/process SOPs & Work Instructions (WIs), Production Master Batch Records (MBRs), Operations Area Logbooks, Training Documentation, EHS System Documentation, and PQ Protocols.
- Authoring Process Validation Protocols, Reports, in addition to writing and reviewing Protocols for Production support activities.
- Fundamentals in Process & Quality Risk Assessments, and Product Impact Assessments.
- Design and generation of DQ, IQ, OQ, PQ Protocols.
- Act as Procedure Coordinator for the completion of routing new and revised Procedures, Training Courses, Batch Records and Compliance Documents.

#### Production, Quality & Operations Support

- Collaborate with management/supervisory personnel from Production, Quality & Ops to resolve product quality and non-conformance issues.
- Liaising with Upstream, Downstream & Media/Buffer Process Teams for successful implementation of new and revised process procedures, WIs, MBRs, in addition to other relevant cGMP documentation.
- Assist site management in investigation reports, authoring quarterly/annual summaries and metrics, in addition to ensuring cGMP and regulatory compliance is consistently enforced.

### QC ANALYST

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.
- Aid in the execution of closures of deviations/LIRs, CAPA, and change controls. Calibration & troubleshooting of equipment.
- Provide support to MFG Teams by performing shift-work as required.

#### 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.
- Development of SOPs & WIs for specific laboratory tasks, exposure to MSDS and CoAs of chemicals & disposal of chemical waste in accordance to EHS.
- Support Quality management in the implementation of QMS systems, in addition to data analytics for performance feedback and related activities.

#### Project Management

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

## RELEVANT SKILLS

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- Experience in the design, generation and updating of SOPs, WIs, MBRs, Logbooks, Training Documentation, EHS System Documentation
- Fundamental knowledge in Six Sigma Tools, Kaizen Methodology, FDA & EMA Regulations, and Quality Management Systems (QMS)
- Strong Quality orientation with incremental ability to focus on details and adherence to standards
- Proficient laboratory skills and analytical methods for greater efficiency in testing, in addition to competency in the closure of LIRS, CAPA, and change controls whilst ensuring compliance to cGMPs
- Use of HPLC & Gas Chromatography, Wet chemistry analysis, bioinformatic tools, UV-Vis, FTIR, SDS-PAGE/Gel Electrophoresis, Western Blotting, Mass Spectroscopy, troubleshooting and diagnostics
- Hands-on Python, MATLAB, C, C++, R, Java, JavaScript, HTML, Polymath, Materials Studio, PyMOL and LaTeX experience
- Advanced in Microsoft Office Applications, SAP, Regulus, FOX IA, QualityDocs and Trackwise/Trackwise Harmony
- Highly proficient problem solving and communication skills
- Competent teaching ability from providing lectures in '[Immuno and DNA Diagnostic Techniques \(ZIKV\)](#)'

## CERTIFICATIONS

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- Full Irish Driving Licence, Category B (Ontario Category G2 equivalent)
- Python for Data Science and Machine Learning, MATLAB for Data Science and Machine Learning
- R Programming, C++ Programming, HTML Web Development, JavaScript Algorithms and Data Structures
- Six Sigma: Certified Lean Six Sigma Black Belt
- Certified Blockchain Developer Ethereum (CBDE) Based

## EDUCATION

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### BSC. INDUSTRIAL BIOCHEMISTRY

University of Limerick  
Aug 2017 – Aug 2021

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

### LEAVING CERTIFICATE

St. Colman's College  
Sep 2012 – May 2017

- Completed 7 honours.
- Achieved 445 points.

## THESIS / PUBLICATION

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### 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
- Fundamentals in effective Crystallization Process Development and Crystallization Data Analytics
- Proficient in creating neural networks on Python and Matlab
- Proficient in LaTeX for publishing professional scientific papers
- 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

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**Eli Lilly and Company**  
Supervisor: Susan Foster

**Teva Pharmaceuticals**  
Manager: Arul Viswanathan

**University of Limerick**  
FYP Advisor: Vasanth Kannuchamy

References available upon request.