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## Personal Summary

Recently completed the Evening BCL (Hons) in Law from UCC, the number one Law school in Ireland. Currently work full time as a Senior Technology Transfer Engineer and recognized as a top performer within the DePuy Synthes New Product Introduction (NPI) Quality Team, I have experience with regulatory audits in compliance to international standards and regulations, equipment validations, product technology transfer, process development for new product introduction, quality systems management, and people management. During my Law degree, I completed all modules examined by the Law Society of Ireland and to satisfy the entrance exam requirements of King’s Inns. In addition, I also completed modules in Public Administration, Healthcare Regulation, and Privacy and Data Protection Law. I would bring to any team excellent communication skills, attention to detail, critical thinking and logical reasoning, the ability to identify and solve problems, and the commitment to excellence by leveraging my experience of working in the medical device and biotechnology industries.

## Work History

Aug 2021 – Present  
**Senior Technology Transfer Engineer,** DePuy Synthes, Co. Cork

* Manage project objectives and deliverables in scope of quality for the new product introduction and technology transfer of the titanium 3D portfolio. This includes routine oral and written communication with stakeholders.
* Support the on-going capacity expansion of the Titanium 3D value stream by preparing and executing validation documents.
* Lead execution of validation activities for the development of in-process inspection assets and processes.
* Collaborate and support cross-functional teams to execute validation activities for manufacturing assets and processes.
* Responsible for review, approval and release of documentation impacting the NPI Quality Team.
* Provide guidance to Quality Engineers to ensure effective completion of project deliverables. This includes review of project schedules and draft/redline documents prior to routing, and imparting process and equipment knowledge.
* Drive effective completion of NPI Non-Conformance (NC) investigations and Corrective and Preventive Action (CAPA) implementation in collaboration with cross-functional teams.
* Manage a team of resources contracted through HCL Technologies by providing coaching, training and mentoring.

Jan 2020 – Aug 2021  
**Quality Systems Engineer,** Boston Scientific, Co. Cork

* CAPA and NC site lead responsible for managing the effective completion of NCs and implementation of CAPAs.
* Review, analyze and report NC/CAPA metrics to stakeholders, and provide solutions for unfavourable trends.
* Prepare and communicate monthly and quarterly NC/CAPA metrics (e.g. cycle times and effectivity) to stakeholders.
* Mentor NC/CAPA owners on completing NC investigations and CAPA implementations, and coach users on internal eCAPA system.
* Responsible for review, approval and closure of all CAPAs in the Cork site.
* Spearhead the introduction of Tableau to Cork site as the NC/CAPA metric reporting tool which provides more efficient and accurate data as compared to legacy system.
* Auditor-facing SME for CAPA and NC stream during regulatory and customer audits and provide support in the backroom.

Jan 2019 - Jan 2020  
**Process & Technology Engineer**, Merck Millipore, Co. Cork

* Responsible for the Chromatography Media Facility process which produces affinity chromatography media and anti-venom vaccines.
* Monitor and control equipment and process parameters during campaign runs by utilizing SCADA.
* Process and analyze batch test results during and after campaign runs using statistical analysis tool (i.e. MiniTab) to ensure critical to quality parameters (e.g. leakage and volume) are within tolerance.
* Lead completion of deviations and Root Cause Analysis and Investigations (RCAIs) for process issues by conducting investigations in collaboration with Quality and Operations.
* Conduct process and product improvement trials.
* Provide support, guidance, and training to reactor operators during campaign runs and trials.

Sep 2018 - Jan 2019  
**NPI Engineer,** Sanmina, Co. Cork

* Member of NPI and Product Development team collaborating with Mallinckrodt Pharmaceuticals to develop new generation drug delivery device for neonatal patients.
* Engineering lead for the sub-systems team developing the manufacturing process for each sub-system prior to integration process into the final system.
* Lead the identification and solution to process and product related issues during prototype builds in collaboration with Mallinckrodt engineers.
* Developed system to efficiently control all customer documentation including BOM and component drawings.
* Developed templates and system for creating NPI documentation.
* Technical point of contact for customer issues and supported customer visits.
* Provide training to Operations on manufacturing process steps for multiple iterations of product prototype.

Jul 2017 – Aug 2018  
**Manufacturing Engineer**, Stryker (Tullagreen), Co. Cork

* Subject Matter Expert for HA Coatings cell supporting the plasma spray and hydroxyapatite coating processes.
* Provide support, mentoring and training to Operations for troubleshooting process issues and conducting trials.
* Engineering lead for the first Lean Lighthouse Project in Stryker Tullagreen aimed at cycle time reduction and process improvement in the Hydroxyapatite (HA) Coatings cell:
  + Lead the floor re-layout of the HA Coatings cell to reduce time wasted during transportation by amalgamating all process stations and assets into one area of the plant.
  + Lead process improvement of in-cleaning process step post-plasma spray by replacing existing ultra-sonic baths with new like-for-like assets.
  + Drive technology advancement by introducing new digital microscope for inspecting critical-to-quality features post-plasma spray and post-HA coating process steps in collaboration with Leica vendor.

# Education & Training

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| 2019-2023 | **BCL (Hons) in Law**, University College Cork |
| 2013-2017 | **B.E. (Hons) in Biomedical Engineering**, University of Galway |

**References**

Available on request.