Job Description: Process Development Engineer - Polymer Coatings

ROLE AND PERSON

A Process Development Engineer (Polymer Coatings) is required to support Aran Biomedical's world-class Biomaterial coatings R&D and testing lab facility through a phase of rapid expansion and growth due to new business activities.
This position will be responsible for supporting all aspects of membrane coatings technology including customer engagement, concept and process development, and transfer to manufacture. The role will be partly cleanroom laboratory-based and will require a hands-on approach involving building and testing initial/concept-phase prototypes for our clients in the vascular device implant sector.

The successful candidate will be involved in process development activities; writing protocols, data gathering, and analysis and will be in a position to draw on a broad and diverse set of skills and experience in solving process development challenges. The range of projects that the role will support will be diverse, and the technical solutions developed will be innovative and present an opportunity to acquire significant skills in the development of Biomaterial coatings and processes for use in Medical Devices.

PRINCIPLE RESPONSIBILITIES/DUTIES

The Coatings Process Development Engineer will be principally engaged in the following tasks:

- Support the customer engagement process in the application of Aran Biomedical's proprietary membrane coatings technology.
- Design and develop innovative coatings solutions to meet customer needs.
- Develop TMV's and PQ's.
- Build and enhance Aran Biomedical's unique and innovative Biomaterial coatings offerings.
- Oversee design transfer of R&D conceptual projects from pilot scale into production.
- Keep organised records and provide technical reports as needed.
- Document experiments and results in Laboratory notebooks with full traceability.

DESIRABLE SKILLS & QUALITIES

The successful candidate will have a scientific or engineering background, a keen eye for detail and a willingness to acquire new skills and learn on a daily basis. Key skills and experience include:

- Honours degree in Science/Engineering with experience of polymer chemistry and processing technology knowledge.
- 2+ years of development and/or production experience in the area of polymer products.
- Experience in the medical device industry or similar highly regulated environment an advantage.
- Good working knowledge of engineering design principles coupled with knowledge of polymer material properties and manufacturing particularly desirable.
- Analytical problem-solving ability.
- Committed to continuous learning and up skilling and will be able to apply creative thinking to solve complex problems.
- Understanding of GMP and ISO requirements is preferred.

- Must be able to communicate effectively and keep detailed documentation.