

The DePuy Synthes Companies are part of the Johnson & Johnson Family of Companies and offer the world's most comprehensive portfolio of orthopaedic and neuro products and services for joint reconstruction, trauma, spine, sports medicine, neuro, cranio-maxillofacial, power tools and biomaterials. These products are distributed and implanted across the world served by a global manufacturing network which spans North America, Europe (UK, Ireland, Switzerland & Germany) and Asia.

DePuy Synthes established a manufacturing facility in Ringaskiddy, Cork in 1997 that is focused on joint reconstruction. Today, the Cork facility is the largest manufacturing plant in the company and also houses an Innovation Centre and Global Supply Chain Centre.

The Operations Technology Development Function in our Cork Innovation Centre is developing digital technology solutions for our end-to-end supply chain within the organisation. Teams are currently focused on advanced manufacturing technologies as part of the Manufacturing For the Future programme. Our aim is to create technology platforms capable of accelerating delivery of new products as well as advancing new process technologies for our existing and emerging product portfolio.

The Career-FIT Plus Programme provides an opportunity for suitably qualified experienced Fellows to work with us to develop technologies and products to transform how we address the current and future clinical needs of our patients and better serve healthcare providers with supply chain advances. Specifically, the overarching objectives in these areas are:

**Technology :-** Advance digital technologies to enable creation of a live Digital Twin of our products during their full manufacturing life-cycle from raw material to finished goods and establish the ability to expand this into the full supply chain.

**Product :-** Accelerate the design, development and launch of new orthopaedic implants created for a digital lifecycle.

To meet our objectives, there are secondment opportunities for a Fellow to work in the following areas:

1. Digital Technologies for the Future Supply Chain
2. Digital Design for Subtractive & Additive Products
3. Digital Thread & Security for Supply Chain
4. Development of New Implant Products & Process Technologies
5. Manufacturing of the future technologies (Industry 4.0)
6. Business system analytics and visualisation.

Please contact us directly with your CV and Covering letter detailing your appropriate experience at [cfitzg12@its.inj.com](mailto:cfitzg12@its.inj.com) if you have identified a host institution and academic mentor and are interested in working with us as the Partner company for your Fellowship application.