Nano Research Facility, DCU Research and Innovation Support

Technical Officer/Senior Technical Officer

(Fixed term contract for 12 months)

Introduction
The Nano Research Facility is a purpose built 3000m² advanced Core Facility which allows DCU to integrate and link current technical capability and equipment within DCU, bringing together expertise to create core capabilities in Nanosynthesis, Nanometrology, Micro/Nano fabrication, 3D Printing, NanoBioPhotonics and Analytical Characterisation. It is promoted by an experienced Research Technical Team enabling DCU researchers, visiting research teams and industry to team up in state-of-the-art labs augmenting the process of bringing research from concept through to final prototyping.

Role Overview
The role on offer is for a technical officer who will join the current technical support team where they will have specific responsibilities for certain high-end research infrastructure as well as more generic technical duties assisting day to day research activities.

Duties & Responsibilities

The duties and responsibilities attaching to the post include, but are not restricted to, the following:

- Provide a high level of technical expertise in support of research programmes and Core Facilities
- Provide technical assistance for the microfabrication suite including laser cutters, blade-cutters, milling, micro-milling and hot rollers
- Provide technical assistance for the fabrication and replication of microstructures using techniques such as photolithography or hot embossing
- Provide technical assistance for the polymer and metal 3D printing facilities in the NRF
- Provide training and advice to both internal and external users of the 3D printing facilities
- Develop SOP’s, maintenance schedules, training schedules and training records
- Develop new techniques on the microfabrication, lithography and 3D printing systems to develop the experimental capacity of those instruments
- Provide assistance, advice and training on SolidWorks
Experience in maintenance, installation, troubleshooting, calibration and testing of laboratory and safety related equipment

Maintain and repair a variety of small electrical devices, such as vacuum pumps, motors, sockets, ballasts, switches, timers, bearings, cords and plugs

Manage the re-location of equipment

Organize with equipment suppliers, the logistics and costs associated with de-commissioning, packing, transporting on campus, re-installation and re-commissioning/calibration of equipment

Any other duties as assigned by your line manager including certain administrative tasks

**Mandatory Training**
The post holder will be required to undertake the following mandatory compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when appropriate.