

Job Description

Job Title	Materials Engineer / Research Fellow
Department	Global R&D – Disruptive Target Research
Work Location	Global R&D, Singapore
Reporting Relationship <i>(Indicate Supervisor’s Position and Direct Report, Team Size)</i>	Reporting to: Head of Disruptive Target Research (DTR) Direct Reports: None Indirect Reports: Technician(s) for relevant research projects (cross-departmental, academia, suppliers, etc.)
Main Purpose of Job <i>(Statement explaining the job’s overall objective; why job exists)</i>	A 2-year appointment as a Materials Engineer / Research Fellow . Accountable to the Head of DTR to deliver project completion within 2 years, as a member of a Study Team.
Key Duties & Responsibilities <i>Primary deliverables of role; its scope</i>	<ul style="list-style-type: none"> • Function as the specialist / scientist for materials engineering in a 2-year Study Team, to deliver on project completion of a Class III medical implant. <ul style="list-style-type: none"> ○ Execute on strategy by developing technology and toolboxes to enable product design and development ○ Design proof-of-concept experiments, generate and analyse data that guide next stage development decisions ○ Prepare and present regular technical reports and scientific presentations on Study progress • Other duties as assigned by the Head of DTR. This may include: <ul style="list-style-type: none"> ○ Establishment of a materials R&D lab using a “lean start up” and “open innovation” approach ○ Brief assignments working closely with other Departments and/or other Study Projects.
Essential Experience/Skills <i>(Qualifications, Experience, Skills, Language etc) Objective and relevant, expertise in field required; competencies needed to perform the job to an acceptable standards</i>	<p>QUALIFICATIONS:</p> <ul style="list-style-type: none"> • PhD in relevant areas –OR- Bachelor or Master degree with 1-5 years research experience in implantable medical devices and related fields <p>EXPERIENCE:</p> <ul style="list-style-type: none"> • Experience in material engineering, polymer rheology, or nanotechnology is preferred <p>SKILLS / ABILITY:</p> <ul style="list-style-type: none"> • Solution-oriented and highly motivated team player • Accustomed to solving technical problems independently and reliably • Ability and desire to continually learn and adapt/adopt new technology are important attributes for success • Good verbal and written communication skills in technical and non-technical areas

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Travel Requirements	Less than 5%, e.g. Overseas conference or training possible.
Working Conditions <i>(Identify the working conditions and physical demands)</i>	<ul style="list-style-type: none">• Class II BSC, cleanroom, research and/or teaching lab environment• Candidate may be assigned to work at hospitals, university labs or manufacturing plants, depending on specific project needs• Weekends and evenings (non-traditional office hours) may be necessary, depending on specific project needs
Revision / Change	
Job Description No. <i>(HR Use Only)</i>	
Job Creation/Revision Date <i>(HR Use Only)</i>	