

Job Title	Mechanical Design Engineer
Reports to	CTO
Direct Reports	None
Role Purpose	Design and Development of Verinnogen components, devices, and systems
Role Type	Part-time employee (~50%)
Employer Description	<p>Verinnogen is a small, growing startup organisation based in Cambridge, UK. We are currently developing a novel technology that improves the way that potential cancer therapies are assessed before they are translated to human clinical trials.</p> <p>With recent investment, we are looking to grow our development team. We are looking for an enthusiastic Design Engineer to drive our mechanical design, development, and verification – with applications in life-sciences and healthcare.</p> <p>The role is ideal for a team player who enjoys taking ownership in a fast moving, agile environment. It will suit someone who is happy in a small and expanding team, who embraces the wide variety of roles that are required in a startup organisation.</p> <p>In addition to an exciting and fulfilling work environment, Verinnogen offers competitive salaries and flexible working.</p>
Responsibilities	
<ul style="list-style-type: none"> • Design and Development of new and improved components, devices and systems for life-science and healthcare markets • Design for manufacture • Prototyping, assessment, analysis and evaluation of design concepts • Design and development documentation • Identification / coordination of partners and suppliers • Other duties as required by the business 	
Example Assignments	
<ul style="list-style-type: none"> • Concept development leading to detailed design of systems, sub-systems, components. • Selection of materials and fabrication methods to optimise functionality, performance, and cost. • Design, execution, analysis, communication, and reporting of verification tests. • Identification of people, organisation, or technology to supplement internal development and operational resources. • Generation, collation, and maintenance of design and safety documents. 	
Person Specification	
Required Skills, Knowledge and Experience	<p>Degree qualified or equivalent</p> <p>Significant experience in life-science, scientific instrumentation, or medical device design</p> <p>Competence with MS Office applications</p> <p>Competence with 3D CAD design (preferably SolidWorks)</p> <p>Experience of plastic fabrication techniques (e.g. injection moulding, 3D printing, extrusion) and associated material properties</p> <p>Practical prototyping and evaluation skills</p> <p>Strong communication skills</p>

	<p>Diligent documentation</p> <p>Innovative with good problem-solving skills</p> <p>Organisational skills</p> <p>Agility: ability to maintain focus yet provide flexibility within a fast-paced environment</p> <p>Enthusiastic (working alone and in a team environment)</p>
<p>Skills, Knowledge and Experience that will positively support an applicant.</p>	<p>Working within Quality Management systems (preferably ISO 9001 or EN 13485)</p> <p>Experience of metallic fabrication methods</p> <p>Experience of healthcare device development (ISO 60601 or ISO 61010)</p> <p>Experience of invasive device development (sterilisation, ISO 10993)</p> <p>Experience of Risk Management (preferably ISO 14971)</p> <p>Design of experiments</p> <p>Design for manufacture</p> <p>Design for reliability</p> <p>Competence in basic statistics</p> <p>Knowledge of basic electronics</p> <p>Full Drivers Licence</p>
<p>Date last updated</p>	<p>13th April 2023</p>