

Job Title	<i>Design & Verification Engineer (DVE)</i>
Reports to	CTO
Direct Reports	None
Role Purpose	To provide design, development, and support to Product Development activities including: • Design, assembly, and qualification of manufacturing / assembly jigs • Design of components and assemblies for prototypes and products • Design, execution, analysis, and reporting of experimental data • Assembly and recording of prototype devices and components
Role Type	Permanent full-time (or part-time) employee
Company description:	Verinnogen is a small, growing startup organisation based in Cambridge, UK. We are currently developing a novel technology that improves the way that cancer therapies are assessed before they are translated to human clinical trials. The technology uses a novel, contact-based surface profiling tool based on an array of moveable pins that transforms the way we interact with, understand, and measure physical objects such as subcutaneous tumours and other biological tissues. Founded in 2021, the private company was started by co-founders Dr Isaac Johnson and Dr Mike Irvine to address the problem of error-prone calliper measurements in pre-clinical cancer research. Since then, the validity of the pin array approach has been qualified using in silico modelling, through a proof-of-concept prototype, and via multiple evaluations using a collection of functional devices. Verinnogen is uniquely positioned to disrupt both the pre-clinical and medical fields, becoming creative leaders in the application of physical profiling. Digitizing a 3D profile from an array of pins in a simple and quick way has been made possible through our patent-pending platform and combined with a clear need for better profile measurements in pre-clinical cancer research, will allow Verinnogen to establish itself as a problem-focused, high potential, and technology-rich company. Furthermore, the physical 3D profiling technology that has been developed will serve as a platform by which to integrate additional measurements and features amenable to a contact-based approach.
Opportunity:	The company is seeking a practical mechanical design engineer or scientist to join our team. 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 challenges that are required in a young organisation. In addition to an exciting and fulfilling work environment, Verinnogen offers competitive salaries and flexible working.

	As DVE you will relish a challenge, be comfortable working on your own and as part of a fast-moving team and be prepared to join the company at an early stage in its life cycle to fulfil technical needs. The opportunity has significant practical involvement that will benefit from practical and organisational aptitudes. Good observational, analytical and communication skills are important. The DVE will report directly to the CTO.
Duties and Responsibilities:	This is an exciting opportunity to join a multi-disciplinary product development team developing a technology that drives healthcare improvements. • Design and construction of assembly jigs • Design support of components and assemblies for prototypes and products • Execution of experiments and reporting of experimental data • Design of experiments • Testing of software releases • Assembly and testing of prototype components and devices, and completion of assembly records. • Generation of manufacturing documents (work instructions, standard operating procedures, and records). • Maintenance of equipment calibration and safety database. • Support of design, development, and manufacturing stakeholders. • Adherence at all times to Verinnogen's Quality Management System • Other duties as required by the business
Required Skills Knowledge, and Experience:	The successful candidate will have the following experience and character traits: • Practical experience of working in scientific or engineering laboratory. • Familiarity with rapid prototyping. • Scientific discipline and rigour. • Competence with MS Office applications and scientific software • Competence in fundamental statistics. • Strong communication skills (verbal, written, presentation)

	• Innovative with good problem-solving skills • Ability to maintain focus yet provide flexibility within a fast-paced environment • Enthusiastic (working alone and in a team environment)
Preferred Skills Knowledge, and Experience:	• Degree qualified in a design engineering or scientific discipline • Working within Quality Management systems (preferably ISO 9001 or EN 13485). • Practical experience of mechanical design / CAD (preferably SolidWorks) • Familiarity with electronics design / testing. • Experience of healthcare safety testing (ISO 60601 or ISO 61010). • Experience of Risk Management (preferably ISO 14971). • Competence in basic statistics. • Full Drivers Licence.
Compensation and Benefits:	The DVE is an important role in an enterprising, fast-paced, and growing organisation. A competitive compensation package will reflect the exciting nature of the opportunity and will be commensurate with experience / skills

Verinnogen is a growing life-science tools company based in Cambridge, UK. We are developing a technology to improve the way that cancer therapies are assessed prior to human clinical trials. The technology uses a novel array of moveable rods, photochemistry, optics, imaging, and computational algorithms to measure physical surfaces and their underlying physical properties. The technology is initially being targeted to measure the volumes of subcutaneous grafted tumours.

We are looking for a recently qualified (mechanical) engineer who is interested in establishing a career in this meaningful and rewarding industry. You will be joining a small team of engineers and scientists to help us optimise and improve our technology.

Verinnogen can offer a competitive salary, hybrid working, mentoring, and on-the-job training to get you up to speed and to keep you challenged!

We are at the beginning of an exciting journey – if you would like to be part of this, please email Mike Irvine (CTO) at Verinnogen – mike.irvine@verinnogen.com with a copy of your CV and a brief note describing why you are a good fit for the role.

Thank you for your interest in Verinnogen.