4D Tissues Laboratory Manager

REVIVO BioSystems is an innovative and customer-oriented company founded by a team of engineers and biologists, with many years of experience in biomedical engineering, cell cultures, microfluidics and tissue engineering. The company is aiming to become the Asian and global leading provider of enabling technologies and services for *ex vivo* and *in vitro* testing of chemicals, ingredients, cosmetic formulations and therapeutics. Our goal is to deliver products and services with unmatched quality, consistency, reproducibility, and ease-of-use. We are on a fast growing trajectory and are looking to expand our organisation to further support the company's expansion, ambitious sales growth, and build more opportunities to make the world a more sustainable and ethical place.

Our organ-on-chip laboratory is looking for a Laboratory Manager who is highly motivated and has either a recent Ph.D. or considerable experience in designing and supervising the execution of experiments. The successful candidate will also be responsible for managing laboratory activities, mentoring research staff, and maintaining laboratory equipment and documentation. The person in this role contributes a high level of technical expertise to the day to day scientific activities of REVIVO BioSystems' laboratory and is responsible for executing regulatory and non-regulatory *ex vivo* and *in vitro* studies to GLP compliance, R&D projects, analytical measurements and assays, while guaranteeing timely completion of all associated documentation and test reports.

The Laboratory Manager also plays a leading practical role in the setup of new test methods in the laboratory, trouble-shooting technical issues, and overviewing the laboratory equipment and assets.

This is a crucial role for the development of REVIVO BioSystems' R&D and operational capabilities, also by collaborating with technical specialists and clients. The Laboratory Manager is encouraged to research new ideas and will actively participate in meetings with clients to identify their needs and provide adequate and innovative research proposals. As such, the individual in this position must stay up to date with developments in the field of *in vitro* safety and efficacy, 3D cell cultures, organ-on-a-chip, and put forward new ideas, methods and procedures.

The Research Scientist works closely with the company's R&D and Testing Services team and is accountable to the Head of *Ex Vivo* and *In Vitro* Testing.

KEY ACCOUNTABILITIES/RESPONSIBILITIES

- Design and supervise the execution of experiments using cell culture techniques (static or in microfluidic system) to grow and maintain tissues for tests.
- Perform *in vitro* testing using tissue-on-chip models to investigate the effects of various substances on skin cells.
- Play a leading practical role in the set up of new *ex vivo* and *in vitro* tests and actively contribute to R&D projects.
- Deliver work to a high scientific standard and, where appropriate, in compliance with Good Laboratory Practice (GLP) and with respect to Good Documentation Practice (GDP).
- Manage laboratory activities, including experimental design, execution, and data analysis.
- Experience in cloning and molecular biology and cloning is an advantage.
- Mentor research staff, including training and supervising laboratory technicians and undergraduate students.
- Maintain laboratory equipment and protocols, including routine maintenance and troubleshooting.
- Report any technical problems, study deviations or errors to the Head of *Ex Vivo* and *In Vitro* Testing and other colleagues as appropriate.
- Troubleshoot technical issues with the support of the R&D and Testing Services teams.

- Process, analyse and present experimental data and results using statistical methods and imaging in a timely way.
- Keep accurate and up-to-date laboratory records, including experimental protocols, data sheets, and reports.
- Draft, update and maintain standard operating procedures, test methods and protocols compliant to GLP.
- Participate in lab meetings and prepare research publications and presentations
- Ensure compliance with laboratory safety procedures and regulations to maintain a safe and clean laboratory environment.

MINIMUM REQUIREMENTS – EDUCATION AND EXPERIENCE

- M.Sc. or Ph.D. in Biology, Cell Biology, Biochemistry or a related Life Science field, with expertise in cell culture techniques, *in vitro* testing and tissue engineering. Experience in skin-on-chip or other organ-on-chip models would be appreciated but not critical.
- Experience with 3D cell cultures, ELISA assays, histological processing and HPLC
- Excellent writing skills for scientific publications and conference proceedings, and strong presentation skills.
- Strong organizational and time-management skills, with the ability to prioritize multiple tasks and meet deadlines.
- Familiarity with Good Laboratory Procedures is a plus.
- Hands-on experience with OECD Test Guidelines and standard safety and efficacy testing protocols is an advantage.
- Excellent communication and interpersonal skills, with the ability to work effectively as part of a multidisciplinary team.
- Proficiency in Microsoft Office, data analysis software such as GraphPad Prism or similar and microscopy imaging analysis software.
- A commitment to develop *ex vivo* and *in vitro* alternatives to animal testing
- The ability to understand and implement the requirements of GLP and GDP
- Resilient and at ease to work in a busy laboratory environment
- Experience in laboratory management, including supervising staff, managing laboratory resources, and maintaining laboratory records.

This is a full-time position with a competitive salary and benefits package. The successful candidate will have the opportunity to lead a dynamic and innovative research team and contribute to cutting-edge research in the field of skin-on-chip and organ-on-chip testing.