



## **INVIVOSCIENCES INC.**

510 Charmany Drive Suite 265 Madison, WI 53719  
608-713-0149

Open position:

InvivoSciences, Inc. (IVS), established in 2001, is a biotech startup company located in Madison, Wisconsin. IVS provides phenotypic compound screening platforms and services using mass-produced mini-engineering tissues. An automated highly efficient (>80% yield), medium-scale production system for human cardiomyocytes from induced pluripotent stem cells (iPSCs) enables cost-effective productions of human engineered heart tissues. The system, co-developed with Gilson, Inc. is portable and versatile to be integrated into the phenotypic assay platforms for in-house R&D use.

The engineered tissue-based high content analysis, live-in-tissue analysis™ (LITA™), quantifies treatment-induced changes in tissue's physiological function and bio-molecular activities underlying its phenotype. Palpator™ analyzes compounds' efficacy in alleviating disease phenotype (i.e., stiff heart muscle) as well as their effects on disease pathways using LITA™.

World-class research institutions such as Torrey Pines Institute for Molecular Studies are collaborating with IVS to identify new drugs. The system was used to reposition FDA approved drugs for new indications (muscular dystrophy and COPD). Our platform has been demonstrated to bridge the gap between cell-based systems and isolated organ tissue systems or animal models by mimicking the functions of living organisms, specifically those of humans.

We are searching for highly motivated individuals with training in various fields including biological science and bioengineering. The individual will work with members in IVS and UW-Madison laboratory as well as our collaborators worldwide including the colleagues in Germany, Japan and UK. Therefore, good communication skills and leadership ability will be desired.

The position is available immediately. For questions and/or information regarding the position, please contact Ms. Ana Alexander ([aannac@invivosciences.com](mailto:aannac@invivosciences.com)). To apply for a position, please include a brief cover letter referring to this posting.

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