

	Job Description	Revision: 20200811F
	R&D Scientist	

Department: R&D

Reports to: Dir. Science & Technology

This document describes the major responsibilities of the job. It does not include all aspects of the position, such as the potential additional duties assigned by management, and the requirement for flexibility in assisting others for the company's overall benefit.

Organization Overview

Presidio Medical is developing neuromodulation technology with the potential to transform the field of neuromodulation. Presidio is led by a highly experienced team with a successful track record of medical device commercialization with deep expertise in pain management and neurostimulation. The expertise has allowed Presidio to develop a comprehensive design and development plan to move quickly through prototype builds, animal studies, and clinical use. Enabled by this prior activity, a clinical trial demonstrated therapeutic efficacy with exceptional pain relief outcomes. The team is now working on the next generation system for further clinical work and Presidio's commercial system.

Job Summary

The R&D Scientist will provide support for and take ownership of projects vital to research and development questions. The team member will play a key role in testing the new neuromodulation system to develop supporting evidence for regulatory approval, develop and run benchtop test methods, analyze benchtop, pre-clinical, and clinical data. The person will work closely with electrical and mechanical engineers to inform the design and operation of the next-generation neuromodulation system. The R&D Scientist interact across a wide array of disciplines across neuroscience and engineering. The position will touch all aspects of medical device development in a startup environment, from the whiteboard to the clinic.

Essential Duties and Responsibilities

- Develops and executes neuromodulation system testing for regulatory submissions
- Collaborates with engineering team to design, execute, and verify operation of next generation neuromodulation device
- Analyzes and organizes data for presentation to the company
- Documents experimental results and conclusions in quality reports
- Performs device manufacturing and testing as required

Additional Contribution Areas

- Execute experiments to develop operating methodology for the neuromodulation system
- Review and synthesize scientific literature to answer key questions as required
- Execute methods required for preclinical safety work
- Work with engineering team to provide guidance on operation and maintenance of the preclinical and clinical system(s)
- Develop analysis software for preclinical and clinical data

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Qualification Requirements

Experience/Knowledge/Skills/Abilities

Required

- Experience developing testbeds to verify, validate device performance for regulatory approval
- 2+ years of engineering experience in industry, experience in medical devices preferred
- Ability to work in a small team with a diverse set of goals and tasks
- Strong verbal and written communication and presentation skills
- Proficiency in MS Word, Excel, and PowerPoint
- Experience working within a quality management system (QMS)

Additional

- Experience working with neuromodulation systems
- Experience in electrochemistry and electrochemical test methods
- Experience in a biomedical research lab
- Experience with and/or interest in pre-clinical work
- Experience in electrochemistry and electrochemical test methods
- Proficiency in programming (e.g. Python) and data structure packages (e.g. pandas)

Education

BS in a science or engineering discipline required. MS+ in an engineering discipline desirable.

Physical Demands

- Varied sitting, standing and walking
- Ability to lift and carry 20lbs. or less

Position Details

- Position is in South San Francisco. Travel to remote sites may be necessary.
- On-site training will be provided for all required tasks
- A car is recommended, but public transportation is available between South San Francisco and other locations via Caltrain or BART stations for example
- On-site training will be provided for all required tasks.

Application Information

Please send an up-to-date CV or resume along with a brief introduction to:

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