biota™
TECHNOLOGY

Title: Data Scientist
Reporting: Chief Technology Officer

Candidate: You are passionate about the company's *vision to deliver actionable insights using microbial genomics*. You are a self-starter with an inextinguishable fire to compete and succeed. You thrive in an environment that requires crisp judgment, pragmatic decision-making, rapid course-corrections, and comfort with market ambiguity. You discharge your duties within a culture of mutual team respect, high performance, humility, and humor.

Company Goals for the next 18 months:

- Design, refine, and execute on Biota's Subsurface DNA Diagnostics platform to provide actionable insights customers in the oil and gas industry. Analysis will primarily focus on amplicon-based sequencing.
- Participate in execution of external collaborations with geologists and petroleum engineers to provide commercial value for oil and gas customers by integrating genomics derived insights from Biota's services. (O&G specific).
- Participate in design and implementation of state-of-the-art bioinformatics pipeline to process all forms of DNA sequence data (target genes, shotgun metagenomics, microarray) to enhances Biota's mission (Bioinformatics specific).
- Implement Python-based computational pipelines for DNA sequence analysis, incorporating open-sourced tools (e.g. QIIME, SourceTracker, Emperor, Scikit-learn, Scikit-bio, PICRUSt, etc.) to deliver customer projects.
- Execute procedures for data storage, organization, and computation that optimize analysis turnaround time and increasingly leverage the strength of Biota's proprietary Subsurface DNA Database, working towards a 'turn-key' computational pipeline implementation.
- Provide guidance in the development of current and future intellectual property and participate in top-tier research activities at the intersection of genomics and subsurface science.
- Serve as an example for the company's values and behaviors as articulated in the Team Operating Agreement.

Location: This position is based in our company's R&D center in San Diego.

Compensation: Competitive base salary, bonus, stock options, and a benefits package including paid vacation, medical coverage, and telecommuting options.

Skills breakdown:

- Data analysis: 70%
- Software development: 20%
- Project management: 10%

Required experience:

- 2 years experience analyzing microbial ecology datasets using industry standard tools such as QIIME, MG-RAST, skbio, with co-authored publications (preferred).
- Scripting and data science experience in Python using sklearn and jupyter notebooks.