



PhD. Life Science/Oncology Curators

Full-time or Part-time

Work from anywhere in the US

Sophic provides large pharmaceutical companies, academic and government institutions integrated knowledge environment software and scientific consulting services. We won two competitive NCI Small Business Innovation Research (SBIR) awards and we are increasing our portfolio of commercial customers.

The SBIR project (see Abstract) entails the development of a cancer biomarker knowledgebase (Sophic Cancer Biomarker KnowledgeBase – SCan-MarK) scheduled for release in Q1 of 2012. We use automated and manual curation methods to identify cancer biomarker critical data in select full text papers. We are adding scientists to our curation team.

Education: PhD in a life science discipline, (biology, chemistry, bio-chemistry, molecular biology, etc.), from an accredited US or international educational institution.

Experience: Post-docs or experienced scientists. Oncology research is a plus.

Duties: Scientific Curators will review full text papers to identify and record critical data elements found in the literature. Supplemental data from GEO and other appropriate sources will be aligned with each paper for future reference. All curated data will be reviewed prior to being added to the SCan-MarK database.

Location: Sophic Curation Scientists may work from a remote location anywhere in the United States. Sophic provides a team work environment, an opportunity to learn and grow. We have competitive, results-based compensation for both full-time and part-time employees. Full-time employees are eligible for the Sophic benefits plan.

For immediate consideration, send your resume to:

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Abstract

Phase II SBIR Project The Sophic Cancer Biomarker KnowledgeBase (SCan-MarK)

To date, there is no single, well-maintained, up-to-date repository containing all clinically relevant cancer biomarker information. Researchers often face the daunting, tedious task of searching increasing numbers of databases that often provide inaccurate, incomplete, out-of-date, fragmented information. This directly results in wasted time and delays in finding cures for cancer. In Phase I, Sophic scientists developed a prototype central biomarker repository, the Sophic Cancer Biomarker KnowledgeBase (SCan-MarK) that can mitigate this problem. In Phase II Sophic will continue to collaborate with a scientific advisory team of respected cancer researchers who will provide recommendations and feedback on the project. The Advisors will help maintain the scientific integrity of the SCan-MarK in a cancer community that is in constant flux. Prototype Sophic Cancer Biomarker Objects (SCBOs) will be extended and enriched with biomarker related molecular information mined from target sources and curated by Sophic Scientists. The 2,116-biomarker genes mined from 18M Medline Abstracts and manually curated by PhD. scientists during the 5-year NCI Cancer Gene Index Project will be the foundation for the SCBOs. Enriched SCBOs will be centralized and made available in SCan-MarK which will provide scientists with detailed molecular information on Individual biomarker genes and panels of genes. A powerful, easy to use Knowledge Management System will be configured allow non-technical researchers to mine, explore and graphically display complex networks of biomarker, disease and scientific element relationships. The aims of the project are to improve the accuracy of disease diagnosis, increase the effectiveness of treatments and accelerate the discovery of drugs to cure cancer.