



Organic or Biochemist with Database Programming Experience

Cygnus Corporation, Inc. is a consulting firm in Rockville, MD providing scientific and technical services, information services, and more to NIH Institutes, Centers, Offices, U.S. Government Departments, Agencies, and the Military, as well as Fortune 500 companies and Nonprofits for the past 30 years.

Focus The primary focus of the open position will be on the updating and quality control of chemical databases, possible chemical structures analysis of new chemical compounds to accurately determine chemical structures and performing chemical structure drawing and editing. The secondary focus of this position will be on various programming of the company.

Education At least one of the following Chemistry degrees: Ph.D., M.S., and/or B.S./B.A., with relevant programming experience.

Hours and Location FT employment (30-40 hours/wk). Rockville, MD with work from home possible.

Primary Duties and Responsibilities

- Add/maintain chemical structures/biomedical data for chemical and drug information databases;
- Data standardization, validation, and quality control (QC);
- Database design and modeling, specialized in biomedical and chemical-related data warehouses;
- Capture biological and medical-related information and chemical structures from public literature, patents, and private government contract laboratories for entry into scientific databases;
- Parse, extract, and retrieve data information from other data sources;
- Develop programming to transform and clean data in proper format, and load into target database; and
- Provide software and hardware maintenance, and computer upgrade support.

Candidates should have the following:

Qualifications

- At least one of the following Chemistry degrees: Ph.D., M.S., and/or B.S./B.A.;
- Knowledge in chemical classification, nomenclature, and biomedical information;
- Pharmacological, toxicological, and biological knowledge a plus;
- Required experience with Oracle RDBMS, database management languages such as SQL and PL/SQL, and Perl programming language; and
- Working knowledge of SharePoint Office 365.

Preferred Experience and Proficiency

- Experience in drawing chemical structures and performing quality control, including stereo chemical resolution;
- Proficiency in chemical structure drawing software incl. Accrelrys Draw, ACS/Labs, Marvin, etc.;
- Programming and Web development using Drupal, PHP, and Solr;
- Familiarity with MySQL query, SciFinder/STN, TSCA, USAN, MeSH, and PubMed; and
- J2EE development is also a plus.

Earnings and Benefits:

Paid vacation and health insurance benefits.

Contact To be considered, please send a cover letter and resume to contact@cygnusc.com.