Position: Principal or Senior Managing Health Scientist (Computational Toxicology/Biological Sciences)

Company Description

Valeo Sciences LLC is a scientific consulting firm which provides integrative, multi-disciplinary, and fit-for-purpose scientific solutions to complex issues related to human health. Our scientists are experts in toxicology, epidemiology, chemistry, exposure science, risk assessment, and product stewardship and take an integrative and collaborative approach to evaluating human health. Our experts are highly published and apply our diverse expertise and experience across regulatory, legal, research, and sustainability platforms.

Who We Are

We are a growing dynamic team of mission-driven scientists who want to make a difference on issues related to human and public health. We are collaborative and supportive of our colleagues and clients. We believe that it is important to pay it forward to support and develop the careers of our colleagues, and that each and every member of our team is critical to our individual and collective success. We are committed to technical excellence, energized by solving complex scientific problems, and dedicated to sharing our work through professional conferences and scientific journals.

Role Description

Valeo Sciences is seeking experienced experts in computational toxicology, modeling, and data sciences who are interested in joining a dynamic and collaborative team of scientists to address complex issues of human health.

This is a full-time remote role for a Principal or Senior Managing Health Scientist with expertise in computational toxicology and/or pharmacology, physiologically based pharmacokinetic modeling (PBPK), and advanced computational models and tools. In this role, you will work as a senior team leader in the design and execution of computational projects, including complex data integration and various modeling approaches (e.g., PBPK, in vitro in vivo extrapolation/correlation [IVIVE/IVIVC], statistical and probabilistic, machine learning).

Tasks and Responsibilities

- Lead the design, development, and implementation of computational projects, including projects which apply PBPK, dose-response, IVIVE/IVIVC, statistical and probabilistic, and machine learning modeling
- Apply computational models and tools for predictive hazard analysis, dosimetry extrapolation, and next generation risk assessments (NGRA) for individual human and population-based assessments

- Employ current advances in computational tools for data extraction, databases, analysis, and visualization workflows
- Data integration across multidisciplinary research programs for individual human and population level health risk assessments
- Conduct human health safety and risk assessments of different exposure scenarios (environmental, occupational, consumer products, pharmaceuticals and/or medical devices)
- Manage and lead portfolio of clients across industries and sectors (e.g., regulatory, legal, research, and sustainability)
- Develop and execute strategies to guide clients through regulatory and stewardship processes on issues related to human health
- Foster and expand existing and new client relationships
- Supervise and mentor early- and mid-career professionals
- Continue contributions authoring and coauthoring peer-reviewed publications and technical presentations

Qualifications

- A Master's or Doctoral degree in computational toxicology/pharmacology, computational biology, or related field (DABT certification desirable but not required)
- Recognized expert in computational toxicology, data science and analytics, and PBPK modeling
- Demonstrated ability to develop data analysis pipelines and models from inception
- Expert proficiency in programming languages (R – required; SAS, Python, SQL – desirable but not required), pharmacokinetic modeling, biostatistical approaches (regression, Bayesian, probabilistic)
- Experienced in the development and application of advanced computational tools, such as probabilistic modeling (e.g., Stan), data analysis and visualization dashboards using R Shiny, and machine learning models, including deep learning, artificial intelligence, and natural language processing
- 10-20+ years of consulting, industry, and/or regulatory experience in human health safety assessments related to environmental exposures, consumer products, pharmaceuticals, and/or medical devices
- Experience with integrating data from multidisciplinary research programs, including material physicochemistry, toxicity testing (in vitro and in vivo, including high throughput in vitro screening data), computational predictions (QSAR, read across), human exposure and behavioral scenarios, and population dynamics. Knowledge of techniques in bioinformatics and transcriptomics is desirable but not required.

- Demonstrated ability to serve as Principal Investigator on original research
- Strong publication and presentation record, especially regarding computational topics, and active engagement in professional organizations
- Strong writing, verbal communication, organizational, interpersonal, critical thinking and problem-solving skills
- Exceptional business development and professional networking skills
- Passionate about mentorship and early career development
- Enthusiastic about contributing to a multidisciplinary, collaborative and entrepreneurial environment
- Ability to travel within the U.S. 1-3+ times per year

Compensation/Benefits

Valeo Sciences offers competitive compensation, full health benefits, paid holidays, personal time off, a 401K program, and support to present research at scientific conferences.

Application

- Interested candidates should email talent@valeosciences.com with a cover letter and CV.