Data Scientist, Translational Medicine

Thomson Reuters - Barcelona, Spain OR Berlin, Germany – 04/2015

About this job

Job description

Today we are the established and authoritative pharmaceutical and biotechnology information resource, and the industry authority on the global generics market. Both innovators and generic manufacturers trust us because our integrated solutions contain an unrivalled breadth and depth of timely, relevant strategic information from multiple databases, delivered on powerful platforms, accompanied by intuitive analytical tools, and backed up by dedicated support teams.

But we provide far more than just content sets. Our data are enriched with unique abstracts, commentaries and analysis prepared by our team of industry experts — critical insight on-tap from the thought leaders that shape pharmaceutical opinion. All over the world, decision-makers depend on us for the essential knowledge that can justify their strategies, promote outstanding research and business growth, and keep them abreast of the market.

Main purpose of Job:
Thomson Reuters is looking for a motivated and detail-oriented data scientist. The scientist will provide expertise to support various data interpretation and curation projects related to clinical informatics, biomarker discovery, patient stratification, treatment recommendation, reconstruction of molecular mechanisms of disease development and progression. Some of the projects will involve work with omics data of different types including transcriptomics, sequencing, proteomics, and others. The analyst will also contribute to work with disease, pathology, and phenotype ontologies including ontology development and cross-mapping to facilitate disease data registration, cross-trial analysis, database integration, natural language processing approaches, disease modeling, applications and use cases of translational research. The work will involve public and commercial analytical applications and algorithms in the area of
clinical informatics, systems biology, computational biology, and others.

Duties and Responsibilities:
Responsible for working on Professional Services projects related to clinical informatics; ontology development and crossmapping; data registration and curation (e.g. clinical trial data); text mining; and data analysis projects (interpretation of results of bioinformatics analysis of omics data). Will interact with scientists and IT personnel of Thomson Reuters and clients, including pharmaceutical companies and govt/academic institutions. Conducts demos and presentations for customers. The selected candidate will also be responsible for proposal and article writing and participation in scientific conferences.

About the IP & Science Business of Thomson Reuters
The IP & Science business is a global provider of information solutions to assist professionals at every stage of research and development and ensure they maintain and extract maximum value from their intellectual assets. IP & Science is part of Thomson Reuters (www.thomsonreuters.com), the world's leading source of intelligent information for businesses and professionals. Scientific information solutions can be found at thomsonreuters.com.

Desired Skills and Experience

Thorough understanding of disease molecular basis and pathology
Familiar with molecular biology technologies and data analysis methodologies
Clinical and study design knowledge
Strong presentation and writing skills
Ability to read and understand high volume of scientific information (such as notebook entries, preclinical and clinical studies protocols, scientific papers, and data files)

Proficient in scientific terminology in chemistry/biology
Ability to be able to learn other data processing software quickly
Excellent communication skills, including an ability to communicate with stakeholders from different professional backgrounds (scientists, sales, marketing, IT personnel) and roles
Advanced Excel skills required and a familiarity with programing languages such as Python, R, and SAS
Must be independent and possess a high work ethic to maintain client's data confidentiality
Knowledge of Thomson Reuters products a plus

Experience:
Previous working experience with disease, pathology, and phenotype ontologies including MedDRA, MeSH, SNOMED, and others required
Work experience in curation of scientific information and database development preferred.
Experience with clinical informatics preferred
Experience with OMICS datasets is desirable
Knowledge management experience in pharmaceutical industry will be highly valued

Certification/ Education:
Advanced degree (M.S. or Ph.D.) in Life science/healthcare (Pharmaceutical Science, Epidemiology, Biology, Biotechnology, Biomedical Engineering, Biomedical Science)

At Thomson Reuters, we believe what we do matters. We are passionate about our work, inspired by the impact it has on our business and our customers. As a team, we believe in winning as one - collaborating to reach shared goals, and developing through challenging and meaningful experiences. With over 60,000 employees in more than 100 countries, we work flexibly across boundaries and realize innovations that help shape industries around the world. Making this happen is a dynamic, evolving process, and we count on each employee to be a catalyst in driving our performance - and their own.

As a global business, we rely on diversity of culture and thought to deliver on our goals. To ensure we can do that, we seek talented, qualified employees in all our operations around the world regardless of race, color, sex/gender, including pregnancy, gender identity and expression, national origin, religion, sexual orientation, disability, age, marital status, citizen status, veteran status, or any other protected classification under country or local law. Thomson Reuters is proud to be an Equal Employment Opportunity/Affirmative Action Employer providing a drug-free workplace. Intrigued by a challenge as large and fascinating as the world itself? Come join us.
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