



“We contribute to a world that makes better decisions, where everyone benefits from the evolving collective knowledge of living systems.”

For more than 20 years, Biomax develops innovative software-products and solutions, based on a configurable, versatile extendible knowledge management platform. Our customers from all segments of the life science industry appreciate the simplicity and functional richness of our tailored solutions.

We at Biomax are 45 people, working together with commitment and high standard. We are: consistent, multicultural, communicative, trustable, frankly and customer-focused.

The world of data is far more complex today than it used to be. Within our Product Management department, we are expanding the ontology maintenance and development group. The performance of AILANI, Biomax’ semantic search solution, significantly depends on the overall quality of the ontologies used. For the support of our team, we are looking for a

Biomedical Ontologist (m/w/d)

Key Responsibilities

- Your responsibility as Ontologist within the Product Management department is the design, creation and curation of high-quality domain specific ontologies optimized for real-world use cases in semantic search applications
- You identify public ontologies that can be used as modules within larger domain-specific ontologies
- You maintain a repository of reusable, normalized ontology “modules” to speed up overall ontology development
- You extend ontologies with real-world synonyms to be used as vocabulary in text mining applications
- You curate existing ontologies to reduce the overall redundancy of concepts and assure the overall quality of our main ontologies
- You identify and develop benchmarks and metrics to assess the quality and performance of an ontology for specific use cases
- You collaborate with scientists to align with the scientific objectives of the Product management department
- You ensure the delivery of relevant informatics solutions to meet the scientific goals and communicate learnings across the organization

Your Background and Skills

- You have a bachelor's degree with 5+ years relevant experience or master's/PhD degree with 3+ years relevant or equivalent experience, in Computer Science, Biology, or related fields.
- You have a thorough understanding of scientific life science data and relevant databases.
- You should have experience in biocuration
- You should have a deep understanding of semantic modeling principles.
- You should be able to work with network graphs and know the distinction between labeled directional and non-directional graphs (both acyclic and cyclic).
- You can work with RDF, RDFS, OWL and SPARQL
- You are writing scripts for automation (shell scripts, Perl, Python, JavaScript, etc.) and data extraction (SQL, SPARQL, Cypher, etc.) in a Unix environment (Linux or macOS)
- You should be proficient with both relational and NoSQL databases, and should have a good understanding of the differences between them.
- A high level of experience using Protégé software is a must
- You should have experience using Git as version control software
- You love words and concepts.
- You can work to deadlines
- You have excellent people and communication skills
- You have fluent English language skills, German is a plus

What we Offer

- Employment within an innovative, growth-oriented organization
- Outstanding career and development prospects
- Exciting company culture which stands for integrity, intensity, involvement, and innovation
- Flexible working arrangements and option of remote work

Interested? Then send us your job application with indication of the job title to:

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