Prof. Ulf Leser



Faculty of Mathematics and Natural Sciences
Department of Computer Science
Knowledge Management in Bioinformatics

Expertise
The research of Prof. Leser and his group is focused on all aspects of management, integration and analysis of heterogeneous, large and distributed data sets including natural language texts (text-mining and information extraction). This encompasses subjects such as data warehouses and ETL, graph databases, deep web and semantic web, machine learning, similarity search, scientific workflows, statistical methods of data analysis as well as methods for assessing and securing data quality. The team of Professor Leser conducts research in a variety of interdisciplinary projects, especially with colleagues from the life sciences covering the range from basic molecular biology to Systems Medicine.

http://humboldt.gmbh/forschungskooperation

Scientific Services
Very good IT-facilities:

- several state-of-the-art parallel computer cluster (20-80 CPUs, 1 TB main memory)
- cluster with 60+ cores
- 50TB+ storage

Testimonials
- For an IT service provider: Consultancy and prototype development in the field of master data standardisation and integration
- For an IT-manufacturer: Development and valuation of algorithms for analysing data quality
- For an international pharmaceutical company: Consultancy and development of text-mining-procedures in biomarker development
- For a medium-sized biotech company: Joint system development (partly funded by the German Federal Ministry for Economic Affairs and Energy) in the field of human genotype changes evaluation

Topics / Trends
Big Data & Data Management
Biomolecules
Cloud Computing
Genome / Genetics
Health
Pharma(ceuticals)
Robotics & Artificial Intelligence
Software Development
Knowledge Management

Industries
Healthcare & Life Sciences
Information & Communication Technology

https://de.linkedin.com/in/ulf-leser-7a4a962

Humboldt-Innovation GmbH
Innovation Management

Eleonora Frühwirt
Transfer Manager
+49 30 2093 70769
eleonora.fruehwirt@humboldt-innovation.de

Jan Eggert
Innovation Manager
+49 30 2093 70764
jan.eggert@humboldt-innovation.de

HUMBOLDT INNOVATION
RESEARCH CREATING REALITY.