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PhD Data Integration

CV

Ulf Leser studied computer science at the Technische Universität München and holds a PhD in Data Integration from Technische Universität Berlin. After positions at the Max-Planck-Institute for Molecular Genetics and in the private sector, he became a professor for Knowledge Management in Bioinformatics at Humboldt-Universität zu Berlin. His research focuses on scientific data management, statistical Bioinformatics, biomedical text mining and infrastructures for large-scale data analysis. He typically approaches these topics in interdisciplinary projects with experts from biology and medicine. He is speaker of the DFG-funded graduate school SOAMED (Service-oriented architectures for medical applications), the BMBF-funded coordinated project PREDICT (Comprehensive Data Integration for Cancer Treatment) and a board member of the DFG-excellence funded Berlin School for Integrative Oncology (BSIO).
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ABSTRACT

PREDICT: Knowledge Management for Precision Oncology

Molecular tumor board meetings aim at informed decisions regarding cancer diagnosis and treatment based on molecular profiles, especially the mutational status of patients. These decisions should be based on the most current and comprehensive information regarding the association of mutations to tumor progression and druggability; however, such information today is very tedious to obtain. We report on ongoing research in the PREDICT project which aims at developing a comprehensive knowledge management solution for precision oncology.