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Dr. Ludaescher is an Associate Professor in the Department of Computer Science at UC Davis, faculty member of the UC Davis Genome Center, and Fellow of the San Diego Supercomputer Center, UCSD.

His main current research areas include modeling, design, and optimization of scientific workflows and databases, data and workflow provenance, and knowledge representation and reasoning for scientific workflows. Until his move to Davis, he was a member of the NIH-funded Biomedical Informatics Research Network Coordination Center (BIRN-CC) at UC San Diego and a co-PI of the NSF/ITR Geoscience Network (GEON).

He is currently actively involved in several large-scale, collaborative scientific data management projects, including the NSF/ITR Science Environment for Ecological Knowledge (SEEK), the DOE Scientific Data Management Center (SciDAC/SDM), and two NSF projects on Cyberinfrastructure for Environmental Observatories (CEOP/COMET and CEOP/REAP).

Dr. Ludaescher is also one of the co-initiators of the cross-project KEPLER collaboration. He received his MS in Computer Science from the University of Karlsruhe in 1992 and his PhD from the University of Freiburg in 1998 (Germany). From 1998 to 2004 Dr. Ludaescher worked as a research scientist at the San Diego Supercomputer Center.