

# CardioVINEdb: a data warehouse approach for integration of life science data in cardiovascular diseases

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**Abstract:** One of the major challenges in bioinformatics is to integrate and manage data from different sources as well as experimental microarray data and present them in a user-friendly format.

Therefore, we present CardioVINEdb, a data warehouse approach developed to integrate and explore life science data. The data warehouse architecture provides a platform-independent web interface that can be used with any common web browser. A monitor component controls and updates the data from the different sources to guarantee up-to-dateness. In addition, the system provides a visualization component for interactive graphical exploration of the integrated data based on networks of biological objects.