

Multi-omics and medical data integration and visualization

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In the last few years we developed a software platform for storing, analyzing and visualizing heterogenous data from multi-omics sources, biobank data and medical and mobile sensor data. We use this platform in a Luxembourg national research program (NCER-PD), which focuses on the early-stage diagnosis of Parkinson's disease (PD) and the improvement in the stratification of PD. The talk will discuss the IT and data management setup for this project and will explain the integration efforts between the respective partners. Furthermore various visualization aspects will be shown using the disease map model we developed.