



GenOptics

GenOptics is a 30-month national project (2020-2023) that will implement a new platform for integrating, analyzing and visualizing multi-omics and other clinico-biological data, by extending the functionality of established bioinformatic analysis tools through an interactive visual dashboard. Visual analytics, namely the simultaneous use of computational data analysis tools with interactive visualizations, is a powerful way of combining algorithms with an intuitive, user-friendly interactive environment in order to extract knowledge from large scale bio-data. Although visual analytics could contribute to significantly reducing the gap between available data and discovery of new knowledge through targeted studies, there is no widely used platform that provides this functionality to the scientific community. GenOptics will allow visual analytics of multi-omics data through a modular system that will integrate multiple interoperable analysis tools into a software platform, leveraging established international technologies and software suites such as Docker and R/Bioconductor.

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Official project's website: <https://genoptics.github.io/>

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