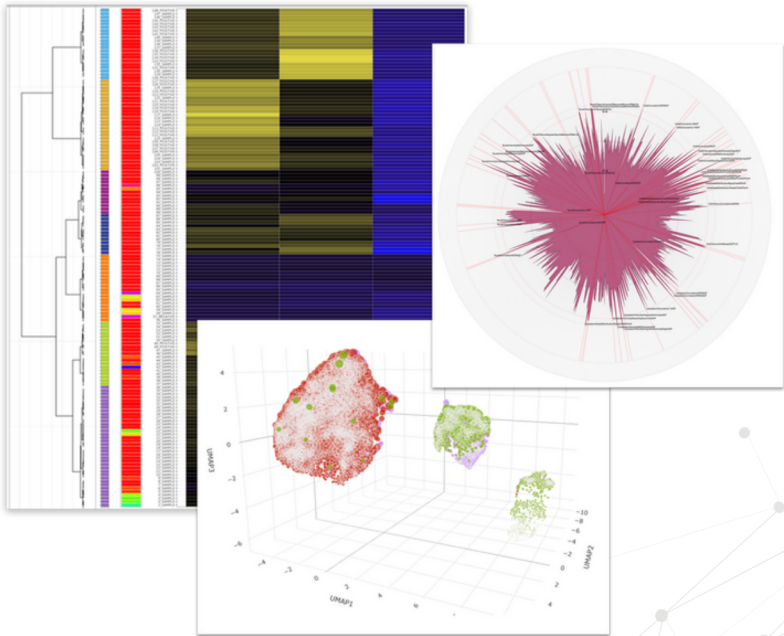


StratoMineR™

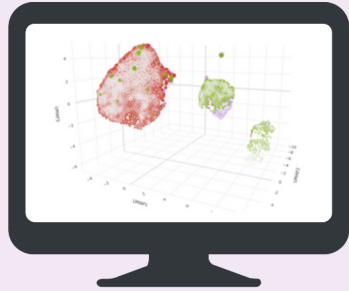
Intuitive Data Analytics for Biologists



Core Life Analytics

Intuitive Data Analytics

With StratoMineR, scientists can independently analyze high content data. Rich visualizations help to explore the data and are easily exported.



Built for Biologists

StratoMineR guides you through a best-practices analysis workflow. Use advanced methods without having to code.



Save Time

Rather than waiting for a data scientist, analyze your own data in a matter of hours.



Quickly Learn and Share

Easily train new users, and share data & results across your team.



Sophisticated Visualizations

Generate rich and interactive visualizations, such as 3D scatterplots, and hierarchical clustering visualizations.

Best-Practices Data Science



Data Upload



Feature Selection



Quality Control



Normalization



Data Reduction



Hit Selection

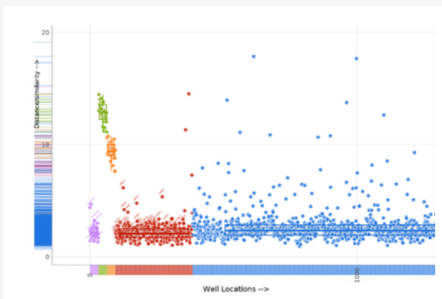
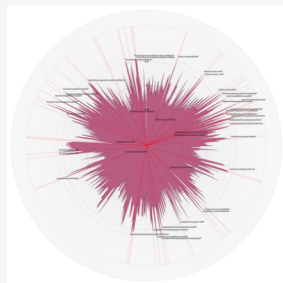


Clustering



Data reduction

Reduce the complexity of your data using for example principal component analysis or UMAP.



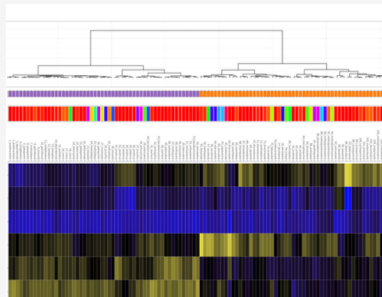
Hit Picking

Calculate Euclidian distance scores to quantify your samples' phenotypic distance from controls, or build machine learning models.

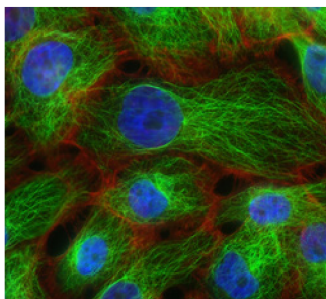


Clustering

Identify hierarchical relationships and find clusters of compounds that give similar phenotypes—and thus most likely have a similar mechanisms of action.

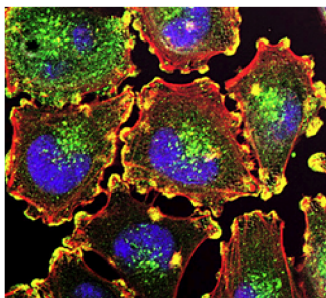


Common Applications



Cell Painting

Using six fluorescent dyes – revealing eight cellular components or organelles – this technique allows users to characterize rich cellular profiles. StratoMineR helps you to analyze these complex datasets and gain valuable insights into for example toxicity or mechanism of action.



Toxicology

Perform complex analyses and make data-driven decisions. Use phenotypic data obtained in physiologically relevant in vitro assay platforms to predict a compound's toxicity and mechanisms of action in a preclinical setting. Quickly produce and export dose-response curves.



Core Life Analytics

CONTACT

E: sales@corelifeanalytics.com
www.corelifeanalytics.com