

Each image modality reveals biology. Combine them for greater knowledge.

Flexible workflows for phenotyping and spatial analysis

In modern tissue research environments, biologists increasingly find their expertise constrained by fragmented workflows, complex software configurations, and the manual effort required to align and analyze diverse imaging modalities. These burdens dilute biological insight, obscure context, and slow the pace of discovery for actionable results.

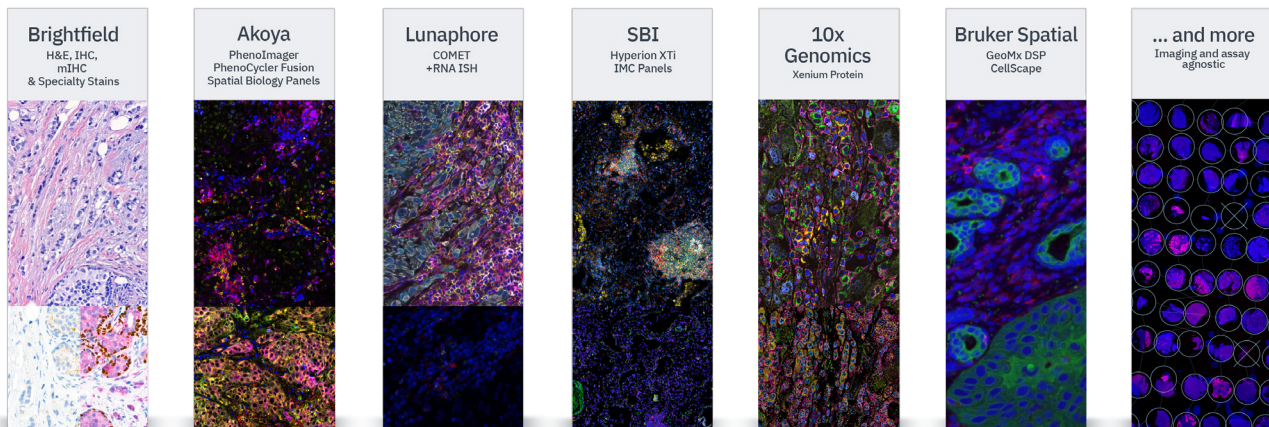
Phenoplex™ addresses these challenges by unifying modalities into a streamlined workflow that reduces manual processing and strengthens data quality. This ensures biological expertise drives the data and results, unlocking collaborative insights across teams.

One platform.
Multiple modalities.
More answers.

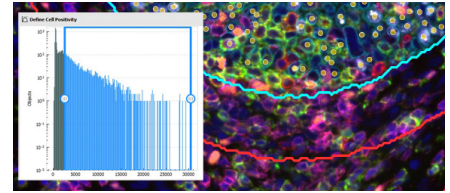
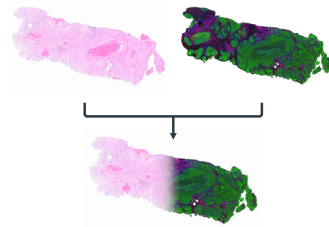
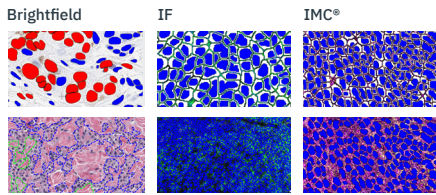
Keep your analysis
connected to the
biology.

Accelerate your path
to deeper biological
insights.

One platform. More answers.
Combine multi-modal imaging into one analysis.



Phenoplex key features



Quickstart APPs

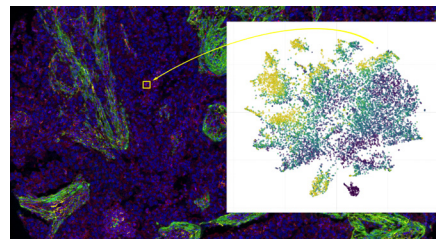
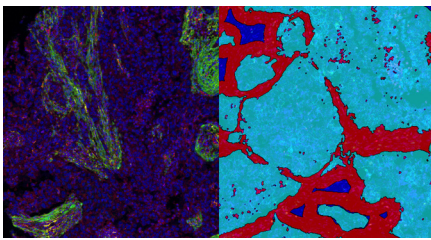
- Fast tissue, tumor and cell detection with one button-click
- Pre-trained on diverse datasets, ready to go
- Broad APP selection across different modalities and use cases

Tissuealign™

- Register multi-modal WSI/TMA images
- Merge low-plex panels into one experiment
- Align sections and staining cycles
- One workflow across disparate imaging platforms

Guided phenotyping & spatial analysis

- Visual feedback to determine optimal cell positivity levels
- Interactive phenotype co-occurrence matrix
- Nearest-neighbor and proximity analyses
- Go beyond basic counts and densities



Visualize & clarify

- Transfer H&E compartments across modalities
- Cross-platform compatible multiplex files
- Tunable ROI mapping and artifact control
- Custom condition grouping in a unified database

Interactive validation & exploration

- Validate data coherence before deeper, downstream analysis
- Quality check outliers through linking back to the specific cell image
- Explore plots and graphs with image-linked views
- Connect single-cell data to spatial context

More key benefits

- One learning curve across instruments
- Advanced analytics without bioinformatics
- Comprehensive TMA management
- Vendor-neutral, interoperable workflows
- Scales to large cohorts and high-plex panels
- Batch and queued analysis for studies

Stable software with dedicated expert support

