

in increasing complexity ↑

Data Levels	Input Types	Methods	Data Semantics
Experiment	category labels and combinations thereof	filter, visual channels, comparison, correlation, classification, etc.	categorical features
Field of View	Vendor-specific decay type + aggregation of all channels' input types and methods		identifier
Channel	Fluorophore-specific: cell ROI masks, calibration files, fitting settings, and extraction methods		numerical features
Cell ROI	ROI mask with pixel-level signals; cell-level decay curve	ROI-level fitting, phasor, morphology, texture	single-cell resolution
Pixel	a time-resolved decay curve	fitting, phasor	N/A