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	Aggregating 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 or cell-level decay curve, pixel-level extraction results	ROI-level fitting, phasor, morphology, texture	**single-cell heterogeneity**
Pixel	a time-resolved decay curve in vendor-specific format	fitting, phasor	N/A

in increasing complexity