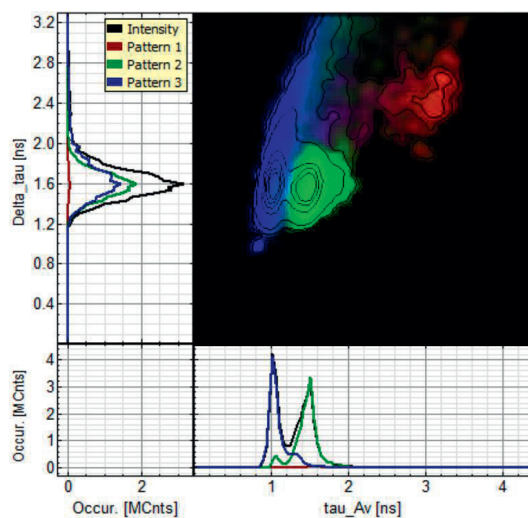


Pattern Matching Analysis

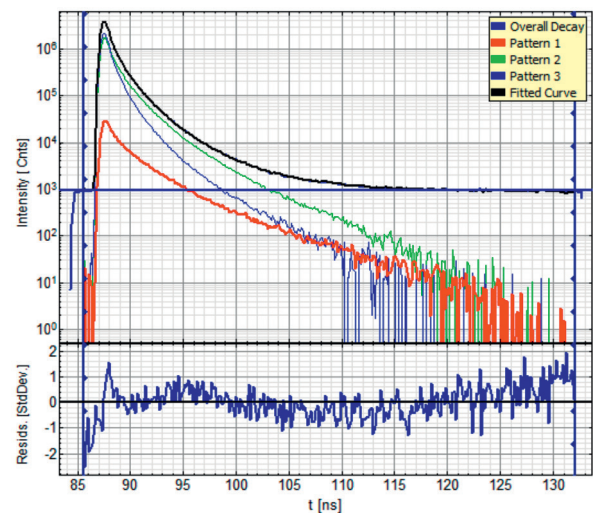
Software Feature of SymPhoTime 64

- Applying full lifetime information
- Lifetime histograms act as fingerprint of specific fluorophores
- Unambiguous identification of dyes in image

Decay Diversity Map of Identification of Fluorophores



Pattern Calculation and Fit



Applications

- Differentiation of endogeneous protein fluorescence, e.g., for cancer detection
- Separation of staining from autofluorescence
- Multi-labeling without crosstalk
- Separation of multiple labels using one STED laser

Pattern Matching Result

