**PicoQuant GmbH, Berlin,
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Product Release Note

New Release 3.2 of FluoFit: Multiexponential Fluorescence Decay Fit Software

PicoQuant has released version 3.2 of the FluoFit multi-exponential fluorescence decay fit software for PCs. The new release provides improved ASCII data import and support for the latest TimeHarp 200 data formats. The software supports all previous 32-bit Windows platforms and provides a convenient graphic installer. Registered users of previous versions receive a free update.

FluoFit implements an iterative reconvolution of the instrument response and the observed fluorescence decay with nonlinear error minimization based on the Levenberg-Marquardt and Simplex algorithms. Instrument response function and decay background as well as time shift are included as fit parameters. Additionally, the parameters and options can be adjusted manually. The fit limits can be adjusted by graphical sliders. Reduced χ^2, residual and autocorrelation curves are shown for assessment of the goodness of fit. For advanced error analysis Asymptotic Standard Errors and Support Plane Analysis are provided for rigorous error analysis. User preferences are widely adjustable and can be automatically stored and

retrieved. The program features a modern and easy to use graphical user interface. Numerical and graphical results can be printed and saved for later reference. The program supports data files from the TimeHarp and SPC single-board TCSPC systems as well as ASCII data files. Instrument response and fluorescence decay may be loaded from different sources. The software also allows import and processing of anisotropy data. This includes calculation of the anisotropy decay and estimation of the G-factor.

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