**Automated Estimation Regularization Parameter for Diffuse Optical Tomography Using Minimal Residual**

**All Programs are based on Open-Source NIRFAST (**[**Link**](http://www.dartmouth.edu/~nir/nirfast/)**) and are written as MATLAB functions.**

**#** Minimal Residual Method BasedSelection of Regularization Parameter (includes reconstruction part as well)

**#** Generalized Cross-Validation BasedSelection of Regularization Parameter (includes reconstruction part as well\*\*)

These computational algorithms are used for performing the work presented in the following manuscript:

Ravi P. K. Jagannath and Phaneendra K. Yalavarthy, “Minimal Residual Method Provides Optimal Regularization Parameter for Diffuse Optical Tomography," Journal of Biomedical Optics 17(10), 106015:1-7 (2012). PDF

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Note: This code does not come with any guarantees, can be used for any purpose.

\*\* Adapted from Regularization Tools ([Version: 4.1](http://www.imm.dtu.dk/~pcha/Regutools/))