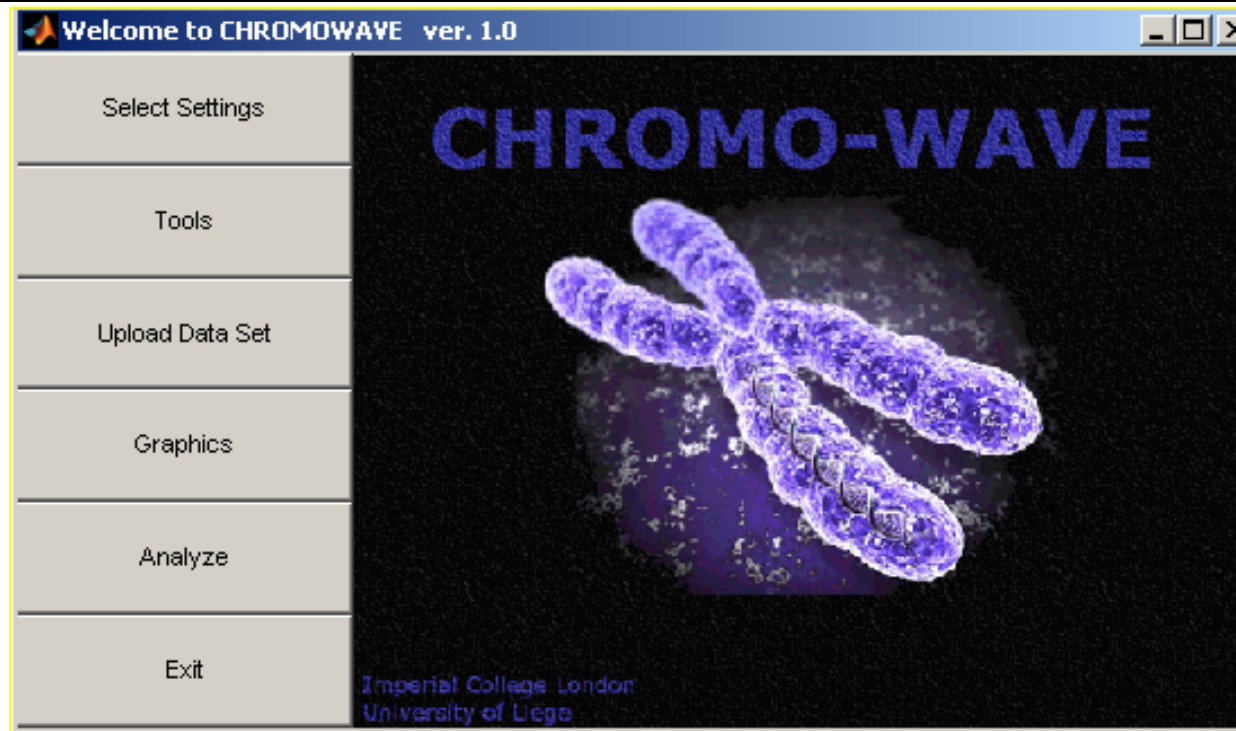


CHROMOWAVE

MATLAB TOOLBOX FOR MICROARRAY ANALYSIS



CHROMOWAVE is a toolbox written for Matlab 7. It performs pre-processing and analysis of microarray data. Although it was designed for Affymetrix microarrays, its use can be extended to other microarray data. Code is optimized in regards to memory use and speed. Pre-processing tools include array normalization and data matrix manipulations. Analysis tools include analysis of variance (paired, group and ANOVA analyses, correlation analysis, gene-classifiers) with relative multiple hypothesis testing corrections (FWER, FDR etc), analysis of co-variance (singular value decomposition. For Affymetrix data only, CHROMOWAVE can perform chromosomal analysis. CHROMOWAVE is provided free for academic users under the GNU public licence and can be requested by mailing to federico.turkheimer@imperial.ac.uk.