Release Notes

# New features

- new database, data preprocessing and analysis functions

- new functions include setvalue.m, filterTrials.m, ultimate\_psth.m, psth\_stats.m, a set of functions for optical tagging analysis and many more

- complete documentation

- help headers, comments, code cleanup

- input argument handling with inputParser for most of the complex functions

- new directory structure for .m files

- insertdata.m, prealignSpikes.m, selectcell.m, addanalysis.m, addcell.m added functionalities

- most of the functions updating CellBase save a time-stamped backup (like addanalysis.m, delanalysis.m, etc)

# Changes

- TheMatrix has been converted to a cell; it is kept compatible with previous versions (hopefully)

- Time stamp conversion is handled by a new preference

- getvalue.m returns values in the order of the cell IDs

- output arguments of findanalysis.m and findprop.m were changed

# Bug fixes

- addcell.m: handling analyses when adding a new cell has been fixed

- partition\_trials.m: NaNs are not considered a separate partition anymore

- MakeTrialEvents2\_gonogo.m: TTLs parsed according to their channels

- findSegs2.m contained many bugs; findSegs3.m added, with hopefully most of the bugs eliminated; findSegs3.m renders findSegs2.m obsolete

- addanalysis.m: output arguments of an added analysis do not have to be wrapped in a cell array

*If you would like to find out more, please consult CELLBASE\_editlog.docx.*