Frequently Asked Questions - fOLD

1) Force Symmetry

Why is it necessary to use the ‘‘force symmetry’’ option?
Why do symmetrical anatomical landmarks yield different layout results?

The observed asymmetry occurs because the anatomical landmarks available in these parcellation atlases are not symmetrical. If one overlays e.g. the AAL2 to the Colin27 atlas (ch2.nii.gz) in MRIcron, one can clearly observe this. For example, the coordinates (-14,12,60) mm^3 corresponds to Frontal_Sup_2_L, while the coordinates (14,12,60) mm^3 are rather labeled as Supp_Motor_Area_R

2) Summary List

Why some possible channels do not appear in the summary list when they can physically exist?

An example would be AAL2, frontal mid 2 R, specificity 23 %, channel between F2 and FC2.

The summary list presents only the channels whose anatomical specificity to a given region surpassed the user-defined threshold. Therefore, if one uses the default threshold (30%) and selects the frontal mid 2 R with AAL2, this will not be listed there. However, if one decreases the threshold to 20%, the summary list will be automatically updated and the channel will be listed.

3) Incompatibility Issues

Please note that fOLD is available either as executable (Windows compatible) or as App to be installed in Matlab (Windows, Unix or Mac). However, the latter option is only compatible with the currently most recent version of Matlab (2017a), as this is the framework used for fOLD development.

If you face on of the following issues, this might be related to incompatible Matlab versions.
Therefore, we recommend you attempting to update Matlab before installing and running fOLD (App):

Following error occurs when attempting to run fOLD App within Matlab2016a:

Error using uitable

While setting the 'Parent' property of 'Table':

Functionality not supported with figures created with the uifigure function. For more information, see Graphics Support in App Designer.

Following error occurs when attempting to run fOLD App within Matlab2013a:

Error using nargout
Function fOLD does not exist.
Error in fOLDApp/startApp (line 57)
if nargout(@fOLD) == 0
Error in fOLDApp (line 37)
startApp(obj)
Error in appinstall.internal.runapp>execute (line 75)
out = evalin('caller', [script ';']);
Error in appinstall.internal.runapp>runapp13a (line 57)
outobj = execute(fullfile(appinstalldir, [wrapperfile 'App.m']));
Error in appinstall.internal.runapp>runcorrectversion (line 35)
appobj = runapp13a(appinstalldir);
Error in appinstall.internal.runapp (line 17)
out = runcorrectversion(appmetadata, appentrypoint, appinstalldir);