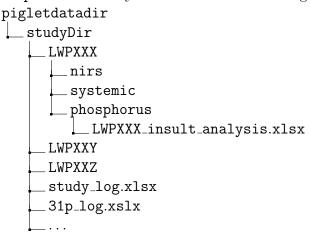
Modifications to ucl-nir-analysis in order to include 31P-data

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The modified version of the synchronisation script requires the same folder structure as the original ucl-nirs-analysis script with an additional subfolder /phosphorus to every LWPXXX folder containing the 31P data sheets.



In order to read out the 31p data and synchronise it with the nirs/systemic data, the following modifications must be made to the folder containing the original ucl-nirs-analysis scripts:

- Copy the new file *phosAnalyseAndSync.m* to the original /func folder.
- Also in the original /func folder, replace the original load31PData.m with the new version

- Use the included files $DataAnalyse_31p.m$ and $31p_log.xlsx$ as templates and adjust them to the files you want to analyse and the folder topology on your PC.
- (If script runs very slowly: comment out lines 345-349 in /tarragona/Broadband_Tarragona.m)

Running DataAnalyse will then create a variable pigDataPTB that has the same basic structure as pigDataNTB with additional rows of data for various MRS variables. This variable is stored in a file called pigDataPTB in the specified output folder.

Note that for the synchronisation NIRS and systemic data are down-sampled to the sampling time of the 31p-data (usually 1min).