



EMIF Deliverable 3.4: 2 Metabolomics based plasma markers for diagnosis

Executive summary

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The aim of this deliverable is to discover novel plasma metabolite markers of AD using an untargeted metabolomics approach.

The metabolomics data has been acquired and pre-processed by Metabolon. This data is now loaded into tranSMART. A data analysis plan has been compiled where univariate and multivariate approaches are utilised for discovery of novel AD plasma metabolite markers.

Univariate analysis of the metabolomics data is now completed and a paper based on this approach is now being drafted. The preliminary results from this approach show a number of metabolites associating with AD pathological features with potential to be used in the diagnosis of AD.

Multivariate analysis of the metabolomics data will be completed within the next couple of months. Currently, additional plasma samples are being analysed by Metabolon. This new dataset is expected to be available in summer 2018 and it will be used as a validation purpose where findings from the current dataset (both univariate and multivariate) will be tested.

Contacts

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