**Grant Number**: N/A

**Sponsor:** Philips Research

**Project title**: Near Patient Diagnostic Testing for Periodontal Disease presence and therapeutic outcomes using biosensor technology

And

Analysis of the salivary proteome by FT-ICR-MS (Fourier Transform Ion Cyclotron Resonance Mass Spectrometry) Approach (FT-ICR-MS)

[The data relates to two funded projects]

The following files have been archived:

|  |  |
| --- | --- |
| **File name** | **File description (Short description of content, sample size, format, any linking between different types of data, i.e. survey and interviews/focus groups)** |
| GCF data | The zip file contains 39 RAW files generated by a Thermofisher Orbitrap Velos mass spectrometer. The samples analysed were gingival crevicular fluid (GCF) samples collected from donors who were healthy or who had gingivitis or mild periodontitis or advanced periodontitis or who were edentulous. The samples have been labelled using iTRAQ labels and combined before being separated in to 13 fractions by high performance liquid chromatography (HPLC). Each fraction was run on the mass spectrometer three times as replicates. The files are labelled AJC\_130112\_GCF\_x\_y where x denotes the fraction number and y denotes the replicate number. The RAW files can be opened with Xcaliber or Proteome Discoverer from Thermofisher |
| Saliva data | The zip file contains 39 RAW files generated by a Thermofisher Orbitrap Velos mass spectrometer. The samples analysed were saliva samples collected from donors who were healthy or who had gingivitis or mild periodontitis or advanced periodontitis or who were edentulous. The samples have been labelled using iTRAQ labels and combined before being separated in to 13 fractions by high performance liquid chromatography (HPLC). Each fraction was run on the mass spectrometer three times as replicates. The files are labelled AJC\_030212\_saliva\_x\_y where x denotes the fraction number and y denotes the replicate number. The RAW files can be opened with Xcaliber or Proteome Discoverer from Thermofisher |

**Publications**: (based on this data) “Discovery, validation and diagnostic ability of multiple protein-based biomarkers in saliva and GCF to distinguish between health and periodontal diseases”.