



## **HolXplore™, a new complete Data Processing module for simultaneous metaproteomics analysis of skin and its microbiota.**

With **metaproteomics** comparative study of skin or hair swabs by mass spectrometry, up to 5000 proteins can now be identified and then up- and down-regulated proteins quantified. The huge amount of data obtained are processed by a new HolXplore™ data processing module which generates in three successive steps:

- A **taxonomic analysis of the diversity** associated with different experimental conditions,
- A **functional analysis** performed in parallel for 1) *Bacteria*, 2) *Fungi* and 3) *Homo sapiens* taxons,
- Correlations between different functions and/or taxons and possible **biological effects**, up to **possible claims**.

As proteins are in charge of structure and functions in the cell, you can now get a real view on what really occurs when an ingredient or a product is used on skin or hair and their microbiotas.

<http://ms.phylogene.com/Local/msphylogene/files/110/NEWS.39B.Functional.studies.for.human.and.microbiome.interactions.pdf>

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