

Phenol Explorer 2.0: Development of polyphenol metabolites databases in biological samples

In collaboration with Dr. Augustin Scalbert from INRA (Clermont-Ferrand, France) we carried out the expansion of the database Phenol Explorer 2.0, which integrates metabolism and pharmacokinetics of polyphenols after consumption of polyphenol-rich foods.

This systematic search was conducted on more than 200 scientific publications related with polyphenols metabolism in in vivo studies, evaluating publications and extracting data found up to 375 metabolites formed in in vivo and their concentrations in plasma and urine. With this collaboration, the web interface Phenol-Explorer (version 2.0) (<http://www.phenol-explorer.eu/> [1]) allows us to know the levels of polyphenols in the body and the metabolites formed from a given intake polyphenols or polyphenol-rich food.

GROUP PUBLICATIONS

- Rothwell JA et al. Phenol-Explorer 2.0: a major update of the Phenol-Explorer database integrating data on polyphenol metabolism and pharmacokinetics in humans and experimental animals. Database (Oxford). 2012;2012:bas031. [PubMed](#) [2]

Source URL: <http://www.nutrimetabolomics.com/lineas/phenolexplorer>

Links:

[1] <http://www.phenol-explorer.eu/>

[2] <http://www.ncbi.nlm.nih.gov/pubmed/22879444>

