

# Oat metabolomics grant

storing metabolomics data - Excel 2007 has 16,384 column limit

Can we guarantee that columns (spectral component) is the same within each run?

Software to compare metabolic spectra

<https://www.google.com/search?q=compare+metabolic+spectra&ie=utf-8&oe=utf-8>

Metabolic phenotyping in epidemiology and metabolome-wide association studies <http://europepmc.org/articles/pmc4048926>

R scripts to model metabolites

<https://cran.r-project.org/web/packages/sybil/>