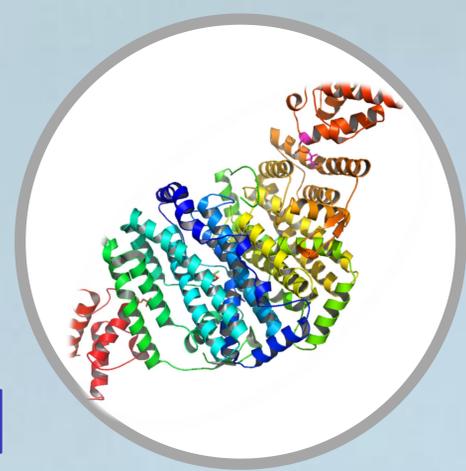


With **PHYLOGENE**,
It's time to think out of the box...



PHOSPHORYLATION

of proteins is the early response to cell's stimuli

YOUR SAMPLES

Cell cultures, biopsies, skin explants, rebuilt skins, extra cellular matrix, sub-proteomes....

Substantiate without presuming the **early effects** of your active compounds, Determine the **proteins** stimulated or inhibited by your compound and find a new hypothesis, Elucidate finely the **molecular mechanisms of action** Identify potential **safety issues**.

PROTEINS EXTRACTION

State of art extraction and protein digestion procedure

Phosphosites Enrichment

Titanium untargeted phosphopeptides enrichment

Whole proteome

All peptides from protein digestion

Phosphoproteome

Untargeted phosphosites :
Mono and multiphosphorylated site can be observed

NANO LC-MS/MS and DATA PROCESSING

High resolution identification and relative quantification of proteins and their phosphosites in treated vs untreated samples.

BIOLOGICAL INTERPRETATION

Biological significance, Phenotypes, Mechanisms of action, Care potential, Drugs effects

CHARACTERIZATION

Differences between conditions,...

BIOINFORMATICS ANALYSIS

CORAVALID™

Involved metabolic and signaling pathways, biological processes, molecular functions, cellular components.

