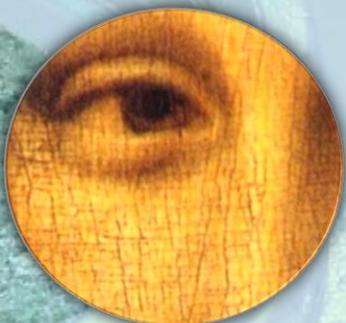
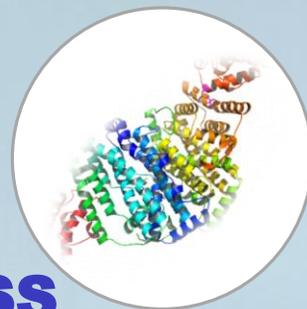


With **PHYLOGENE**,
It's time to think out of the box...



ABIOTIC STRESS

UV, blue light, pollution, cigarette smoke..

YOUR SAMPLES

Cell cultures, skin explants, rebuilt skins, D-Squames, swabs, extra cellular matrix, sub-proteomes....

Substantiate without presuming the **effects** of your active compounds

Get a complete investigation approach of **stress** implemented with an **extensive protein oxidation focus**

PROTEINS
EXTRACTION

NANO LC-MS/MS
and DATA PROCESSING

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

OXIDATION

RedOxMics™

18 RedOx reaction
modifications of 10 amino
acids:

Aspartic acid, Histidine,
Leucine, Methionine,
Phenylalanine, Proline,
Threonine, Tryptophane,
Phenylalanine, Arginine

OXIDATION
RATIO

OxDeep™

Stress deepness:
Ratio of number of
oxidized peptides
species

BIOINFORMATICS
ANALYSIS

CORAVALID™

Involved metabolic and signaling
pathways, biological processes
and significances, molecular
functions, cellular components,
Synthesis of phenomenons,
phenotyping,...

CLAIMING POTENTIALS

COSMETIC POTENTIAL

Anti-aging, moisturizing, toning,
pigmentation, slimming, ...

DERMATOLOGICAL CARE
POTENTIAL

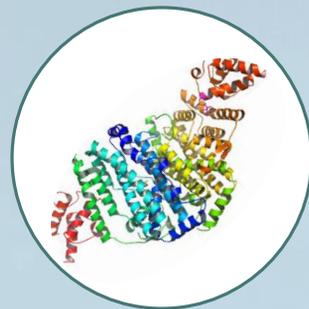
stress protection, cicatrization
improvement, drugs effects, allergic
reaction & hypersensitivities
improvement,...

CHARACTERIZATION

Differences
between healthy and
stressed skins,...



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



PROTEOMICS

Proteins are directly in charge of cell functions and structures

YOUR SAMPLES

Cell cultures, skin explants, rebuilt skins, D-Squames, swabs, extra cellular matrix, sub-proteomes....

Substantiate without presuming the **effects** of your active compounds

Determine the **biomarker** of your ingredient and find a new story

Elucidate the **mechanisms of action**

Identify potential **safety issues**

PROTEINS
EXTRACTION

NANO LC-MS/MS
and DATA PROCESSING

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

BIOINFORMATICS
ANALYSIS
CORVALID™

Involved metabolic and signaling
pathways, biological processes
and significances, molecular
functions, cellular components,
Synthesis of phenomenons,
phenotyping,...

CLAIMING POTENTIALS

COSMETIC POTENTIAL

Moisturizing, anti-aging, toning,
anti-pigment irregularities, slimming, ...

DERMATOLOGICAL CARE POTENTIAL

Solar protection, cicatrization
improvement, drugs effects, allergic
reaction & hypersensitivities
improvement,...

CHARACTERIZATION

Types of skins, differences
between healthy and
diseased skins,...

