

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



## SKIN AND MICROBIOME

*15 millions years of human and microbes co-evolution*

### YOUR SAMPLES

Moist, sebaceous areas, swabs...



Characterize and understand :

- **what happens at same time** for skin and micro-organisms
- the host-bacteria **interactions**
- the **effects** of the product on whole microbiome

DNA and  
PROTEIN  
EXTRACTION

### METAGENOMICS PCR/SEQUENCING

Determination of  
microbial communities  
diversity and taxonomic  
composition

### METAPROTEOMICS

LC-MS/MS  
Proteins  
identification and  
relative quantification

### CLAIMING POTENTIALS

#### CHARACTERIZATION

Skin types, host-bacteria interactions, ...

#### DERMATOLOGICAL / COSMETIC POTENTIALS

Microbiota preservation, diversity  
enhancement, ...

#### HEALTH POTENTIAL

Drugs effects, skin diseases pathogeny,  
pathogen reduction, pathogenic  
and virulence mechanisms  
management, ...

### BIOINFORMATICS ANALYSIS

HolXplore™  
Identification of  
interactions  
and biological effects

