Exploitation of Greek microbial diversity for the development of innovative cosmeceuticals and food supplements

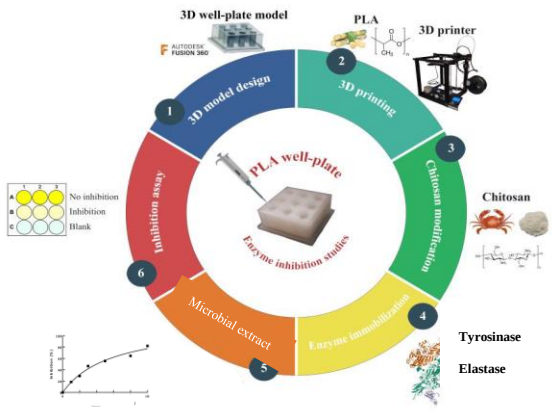
(a bottom-up approach)



Pharmaserve - Lilly

- **Development of a standardized formula and product packaging.**
- **Preparation of a final standardized product prototype**

Φ Α Ρ Μ Α Σ Ε Ρ Β



Laboratory of Biotechnology
Department of Biological Applications & Technologies, University of Ioannina

- **Enzymatic modification of promising active compounds**

LABORATORY of BIOTECHNOLOGY
University of Ioannina

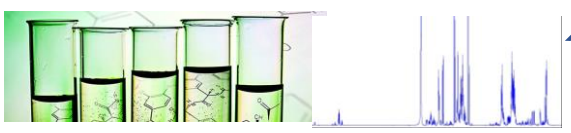
Laboratory of Natural Product Chemistry
Department of Pharmacognosy and Chemistry of Natural Products, NKUA

- **Production of ~2000 extracts in ethyl acetate and methanol from actinobacterial cultures.**
- **Metabolic profiling of ~20 strains**
- **Fractionation and chemical investigation of promising strains**

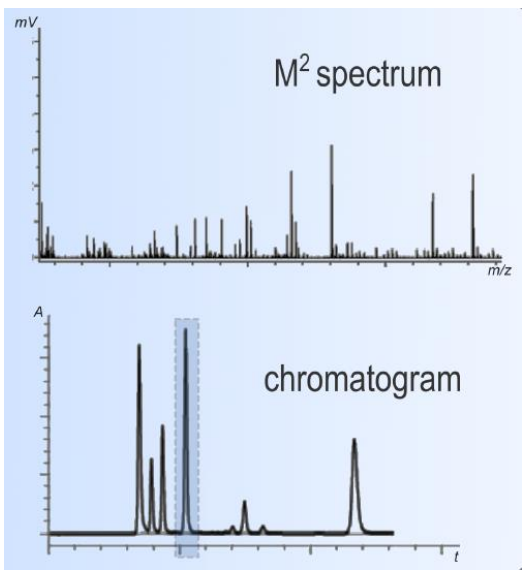
Molecular/Cellular Aging and Carcinogenesis Group
Department of Cell Biology and Biophysics, NKUA

- **Testing of ~2000 extracts for inhibition of tyrosinase and elastase**
- **Testing of ~20 extracts for cytotoxicity and cellular inhibition of elastase and tyrosinase**

HELLENIC REPUBLIC
National and Kapodistrian University of Athens
EST. 1837



Group of "Molecular-Cellular Aging & Carcinogenesis"
I. TROUGAKOS LAB



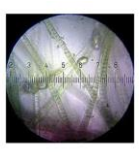
Microbiology Laboratory
Department of Botany, NKUA

- **Growth of ~1000 actinobacterial strains on a small scale**
- **Testing of their antibacterial and antifungal activity**
- **Growth on a large scale of promising strains**



National and Kapodistrian University of Athens
Faculty of Biology
Department of Botany



Microbial Ecophysiology Unit