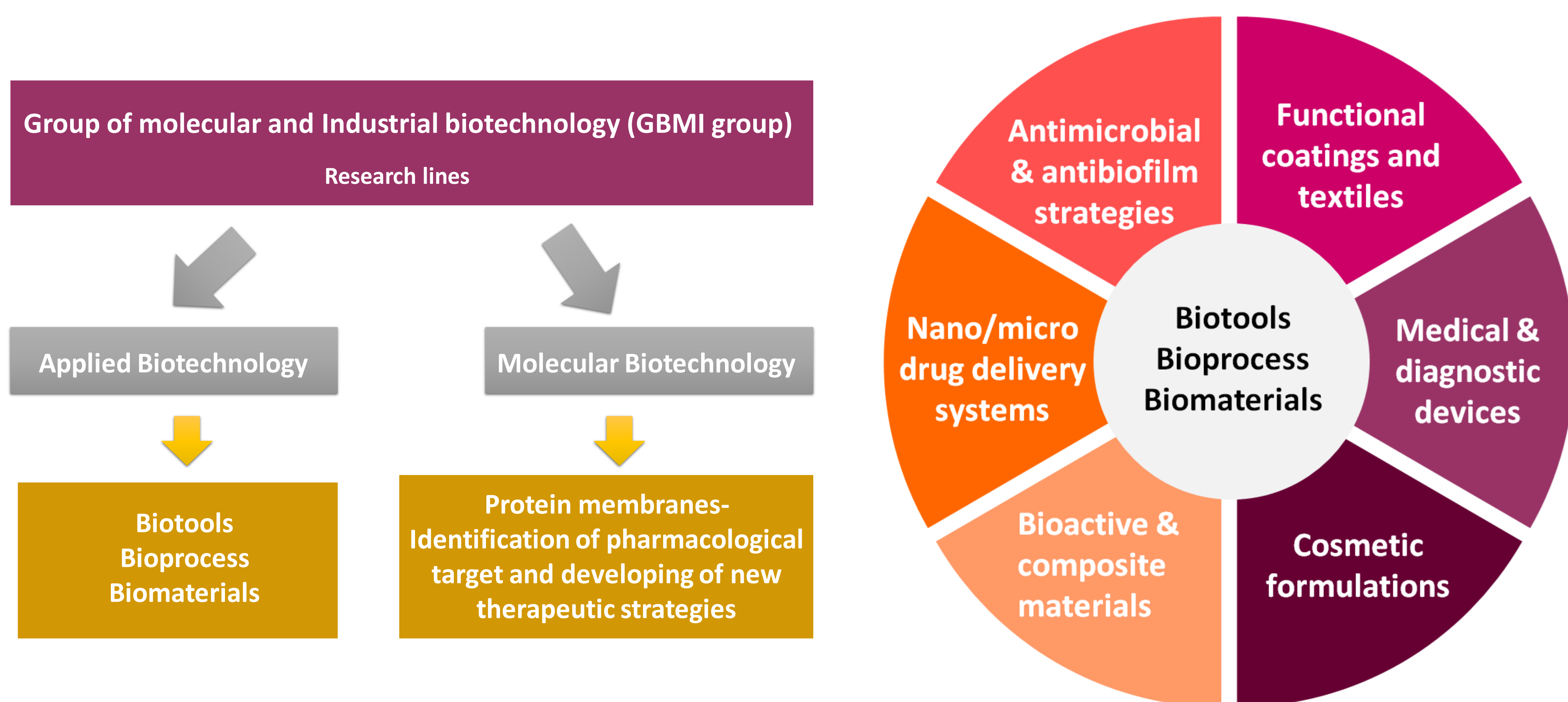


The Group of Molecular and Industrial Biotechnology (GBMI) at the Chemical Engineering Department of UPC is a multidisciplinary research group combining basic and applied research in the fields of bio-nanotechnology, molecular biology, polymer engineering and genetic engineering. GBMI has large experience in: enzymatic functional modification of polymers and biopolymers for industrial and biomedical applications, enzymatic synthesis and polymerization, chemical and enzymatic modification of proteins for industrial applications, molecular engineering of proteins, purification, structural, biochemical and functional characterization of biomolecules, combined sonochemical-biotechnical processes and hybrid biopolymer/inorganic nano-antimicrobials. The integration of expertise in biotechnology, molecular biology, polymer engineering and genetic engineering within the same group is a very unique characteristic of GBMI.



Visual receptor

Mutations associated with retinal degenerative eye diseases (Retinitis Pigmentosa)

Natural phenolic compounds and receptor ligand analogues

Quercetin

Resveratrol