

GRUPPO BIOCHIMICA

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KEY WORDS: peptide-based drugs, cancer, antimicrobial peptides

Our work focuses on the identification, optimization and preclinical development of bioactive peptides for the development of biological drugs. The main activities of the group:

- Identification of bioactive peptides by recombinant technologies including the Phage Display
- Development of antimicrobial, anticancer and anti-inflammatory peptides (linear and branched) through solid phase synthesis, purification and control for chromatography and mass spectrometry
- Analysis of biomolecular binding affinity by surface plasmon resonance in Biacore
- In vitro characterization (immunofluorescence, cytotoxicity, etc.) of peptide biological activity
- Role of sulfated glycosaminoglycans in cancer cell differentiation adhesion and migration

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