

Chemistry for the Living

Chemistry for the Living axis

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Research topics

The work of the axis is focused on two main themes:

- synthesis of new therapeutic molecules, primarily for the the treatment of:
 - cancer: biological enzyme and receptor inhibitors, chelates for imagery and therapy and peptidomimetics
 - pain: rational approach (identified therapeutic target) and traditional approach (plant based molecules)
- development of elaboration and characterization processes of biomaterials (inorganics or hybrids polymers). Particular attention is paid to materials/biological systems interfaces, for diagnosis and/or therapeutic applications (functionalized nanoparticles, Lamellar Double Hydroxydes/Enzyme assembly, bioceramics)

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