

N.	Research area	Research topics	no. of researchers	SSD	ERC sector	notes
1	Biochemistry	Biochemical mechanisms of different physiopathological conditions; in vitro and in vivo models; evaluation of molecular mechanisms of natural and synthetic compounds	6	BIO/10	LS1, LS3, LS4, LS5, LS9	
2	Clinical biochemistry & Clinical Molecular Biology	Oncology, Nutraceuticals and Biomarkers	2	BIO/12	LS2, LS3, LS4	
3	General chemistry	Molecular architecture and structure; Theoretical and computational chemistry; Liquids and Solids structure; Characterization methods of materials; Photochemistry; New materials: oxide, alloys, composite organic-inorganic hybrid, nanoparticles; Intelligent materials – self assembled materials; Supramolecular chemistry	5	CHIM/03	PE3_1, PE3_4 PE4_4, PE4_5 PE4_11, PE4_13 PE4_15 PE5_1, PE5_6 PE5_8, PE5_12 PE5_16, PE5_19	
4	Computer Science	Scientific computing, simulation and modelling tools; Bioinformatics; Biological systems analysis, modelling and simulation	1	INF/01	LS2_10, LS2_11, LS2_14, PE6_12, PE6_13	
5	Medicinal chemistry	Drug design, synthesis and discovery; Computer chemistry; Analytical chemistry	13	CHIM/08	PE5_18, PE6_12, PE6_13, PE4_13, PE1_18, LS2_12, LS2_13, LS7_4	
6	Organic chemistry	Synthetic Organic Chemistry; Supramolecular Chemistry; Computational Chemistry; Drug design and Molecular modelling	4	CHIM/06	PE4_12, PE4_13 PE5_16, PE5_17 LS7_3	

7	Pharmaceutical biology	Plant extracts, natural compounds and their biological activities in cancer, metabolic/neurological disorders and oxidative stress	1	BIO/15	LS3_1, LS4_5, LA4_6, LS7_3, LS9_5	
8	Pharmaceutical technology/ Drug delivery	Advanced Drug Delivery; Biopharmaceutics; Cosmetic formulation; Physico-chemical analysis; Calorimetry	8	CHIM/09	LS7_1, LS7_3, PE5	
9	Pharmacology/ Toxicology	Neuropharmacology; Pharmacognosy; Pharmacology, drug discovery and design, drug therapy in depression, chronic pain and Alzheimer's disease; Toxicology	5	BIO/14	LS5_3 LS7_3 LS7_5	
10	Physical chemistry	Physical chemistry of biological systems Computational chemistry	1	CHIM/02	PE4_11, PE4_12 PE4_13	
11	Physiology	Neurophysiology Neurobiology	1	BIO/09	LS5, LS7	
12	Synthetic & Systems biology	Systems biology; synthetic biology; development & pattern formation in animals; molecular and cellular neuroscience; ex vivo modelling	1	BIO/13	LS2, LS3, LS5, LS9	