

Panel	Level 1 keywords	Level 2 keywords	Ud'A Supervisors (Name Surname) - Link to Info Page	Ud'A Host Department (EN)
CHEMISTRY	C1-Inorganic Chemistry	Catalysis, Coordination chemistry, Organometallic chemistry	Francesco Epifano	Department of Pharmacy
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Heterocyclic chemistry; Molecular chemistry; Natural product synthesis; Organic chemistry; Organic reaction mechanism; Peptide chemistry; Synthetic Organic chemistry	Francesco Epifano	Department of Pharmacy
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Organic Chemistry; Supramolecular Chemistry	Antonella Fontana	Department of Pharmacy
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Organic chemistry, Supramolecular chemistry	Pietro Di Profio	Department of Pharmacy
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Peptide chemistry	Ivana Cacciatore	Department of Pharmacy
CHEMISTRY	C3-Physical and Analytical Chemistry	Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions; Spectroscopic and spectrometric techniques; Surface chemistry	Pietro Di Profio	Department of Pharmacy
CHEMISTRY	C3-Physical and Analytical Chemistry	Analytical chemistry; Chemical instrumentation, Chemical reactions: mechanisms, dynamics, kinetics and catalytic reaction; Chromatography; Heterogeneous catalysis, Homogeneous catalysis; Ionic liquids; Mass Spectrometry; Method development in chemistry, Spectroscopic and spectrometric techniques	Francesco Epifano	Department of Pharmacy
CHEMISTRY	C3-Physical and Analytical Chemistry	Electrochemistry, electrodialysis, microfluidics, sensors	Edmondo Battista	Department of Engineering and Geology
CHEMISTRY	C3-Physical and Analytical Chemistry	Mass Spectrometry level; Method development in chemistry	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
CHEMISTRY	C3-Physical and Analytical Chemistry	Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions; Spectroscopic and spectrometric techniques	Antonella Fontana	Department of Pharmacy
CHEMISTRY	C3-Physical and Analytical Chemistry	Molecular dynamics	Ivana Cacciatore	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Medicinal chemistry; Nanochemistry; New materials: nanoparticles; Pharmaceutical chemistry; Polymers and plastics	Ivana Cacciatore	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Environment chemistry; Food chemistry; Medicinal chemistry; Pharmaceutical chemistry; Polymers and plastics; Porous Materials; Structural properties of materials	Francesco Epifano	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, biomaterials synthesis; Intelligent materials, self-assembled materials; Nanochemistry; New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles	Christian Celia	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, synthesis; Materials for sensors; Nanochemistry	Edmondo Battista	Department of Engineering and Geology
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, biomaterials synthesis; Intelligent materials, self-assembled materials; Pharmaceutical chemistry	Piera Di Martino	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, biomaterials synthesis; New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles; nanochemistry; Graphene, 2D materials	Antonella Fontana	Department of Pharmacy
CHEMISTRY	C4-Applied and Industrial Chemistry	Graphene, 2D materials, Hydrogen, Porous Materials	Pietro Di Profio	Department of Pharmacy
ECONOMIC SCIENCES	E2-Economic Development	Competitiveness, innovation, research and development; Economics of innovation; Industrial clusters	Ceci Federica	Department of Business Administration

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ECONOMIC SCIENCES	E3-Management	Entrepreneurship; Innovation management; New industrial value chains; Organization studies: theory & strategy, industrial organization; Startups	Ceci Federica	Department of Business Administration
ECONOMIC SCIENCES	E3-Management	Business governance; Entrepreneurship; Human resource management; Innovation management; Organization studies: theory & strategy, industrial organization Startups	De Massis Alfredo	Department of Business Administration
ENVIRONMENTAL AND GEOSCIENCES	V1-Environment and society	Renewable energy source	Pietro Di Profio	Department of Pharmacy
INFORMATION SCIENCES AND ENGINEERING	G1-Computer science and informatics	Artificial intelligence, intelligent systems, multi agent systems; Intelligent robotics, cybernetics; Machine learning, statistical data processing and applications using signal processing; Numerical analysis, simulation, optimisation, modelling tools	Valentino Sangiorgio	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G1-Computer science and informatics	Machine learning, statistical data processing and applications using signal processing	Francesco Sartor	Department of Medicine and Aging Sciences
INFORMATION SCIENCES AND ENGINEERING	G1-Computer science and informatics	Machine learning, statistical data processing and applications; using signal processing (e.g. speech, image, video); Artificial intelligence, intelligent systems, multi agent systems	Sara Moccia	Department of Innovative Technologies in
INFORMATION SCIENCES AND ENGINEERING	G2-Systems and Communication Engineering: Electrical, electronic, communication, optical and systems engineering	Signal processing	Laura Marzetti	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G2-Systems and Communication Engineering: Electrical, electronic, communication, optical and systems engineering	Diagnostic and implantable devices, environmental monitoring; Nanotechnology, nano-materials, nano engineering	Edmondo Battista	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G2-Systems and Communication Engineering: Electrical, electronic, communication, optical and systems engineering	Systems engineering, sensorics, actrics, automation	Valentino Sangiorgio	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G2-Systems and Communication Engineering: Electrical, electronic, communication, optical and systems engineering	Simulation engineering and modelling	Maria Laura De Bellis	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Civil engineering; computational engineering and computer aided design; Mechanical and manufacturing engineering (shaping, mounting, joining, separation), Sustainable design (for recycling, for environment, eco-design)	Maria Laura De Bellis	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Industrial bioengineering	Edmondo Battista	Department of Engineering and Geology
INFORMATION SCIENCES AND ENGINEERING	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Architecture, smart buildings, smart cities, urban engineering; Computational engineering and computer aided design; Energy collection, conversion and storage, renewable energy; Sustainable design (for recycling, for environment, eco-design)	Antonio Basti	Department of Architecture
INFORMATION SCIENCES AND ENGINEERING	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Architecture, smart buildings, smart cities, urban engineering; Civil engineering; Computational engineering and computer aided design; Mechanical and manufacturing engineering (shaping, mounting, joining, separation); Production technology, process engineering; Sustainable design (for recycling, for environment, eco-design)	Valentino Sangiorgio	Department of Engineering and Geology

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INFORMATION SCIENCES AND ENGINEERING	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Industrial design (product design, ergonomics, man-machine interfaces, etc.)	Emilio Rossi	Department of Architecture

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LIFE SCIENCES	L1-Molecular and Structural Biology	Lipid synthesis, modification and turnover; Metabolism; Molecular biology and interactions	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L1-Molecular and Structural Biology	Molecular Biology and interaction	Viviana di Giacomo	Department of Pharmacy
LIFE SCIENCES	L1-Molecular and Structural Biology	Molecular biology and interactions; Protein synthesis, modification and turnover	Susì Zara	Department of Pharmacy
LIFE SCIENCES	L2-Genetics, Genomics, Bioinformatics and Systems Biology	Proteomics; metabolomics	Piero Del Boccio	Department of Sciences
LIFE SCIENCES	L3-Cellular and Developmental Biolog	Cell differentiation, physiology and dynamics	Viviana di Giacomo	Department of Pharmacy
LIFE SCIENCES	L3-Cellular and Developmental Biolog	Stem cell biology	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Ageing; Metabolism, biological basis of metabolism related disorders	Francesco Sartor	Department of Medicine and Aging Sciences
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Cancer and its biological basis	Viviana di Giacomo	Department of Pharmacy
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Ageing; Cancer and its biological basis; Cardiovascular diseases; Rare diseases	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Cancer and its biological basis; Cardiovascular diseases	Paola Patrignani	Department of Neuroscience, Imaging and Clinical Sciences
LIFE SCIENCES	L5-Neurosciences and neural disorders	Behavioural neuroscience; Developmental neurobiology; Neuroanatomy and neurophysiology; Neuroimaging and computational neuroscience; Neurological disorders; Sensory systems (e.g. visual system, auditory system)	Carlo Sestieri	Department of Neuroscience, Imaging and Clinical Sciences
LIFE SCIENCES	L5-Neurosciences and neural disorders	Neuroimaging and computational neuroscience & Sensory systems (e.g. visual system, auditory system)	Laura Marzetti	Department of Engineering and Geology
LIFE SCIENCES	L5-Neurosciences and neural disorders	Neuroanatomy and neurophysiology; Neuroimaging and computational neuroscience; Neurological disorders (e.g. Alzheimer's disease, Huntington's disease, Parkinson's disease)	Richard Wise	Department of Neurosciences, Imaging and Clinical Sciences
LIFE SCIENCES	L6-Immunity and infection	Innate immunity and inflammation; Phagocytosis and cellular immunity; Adaptive immunity	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L6-Immunity and infection	Adaptive immunity; Anticancer therapy; Innate immunity and inflammation; Phagocytosis and cellular immunity	Domenico Mattoscio	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L7 Diagnostic tools, therapies and public health	Medical engineering and technology	Francesco Sartor	Department of Medicine and Aging Sciences

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LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Gene therapy, cell therapy, regenerative medicine; Personalized medicine; Pharmacology, pharmacogenomics, drug discovery and design, drug therapy	Christian Celia	Department of Pharmacy
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Pharmacology, pharmacogenomics, drug discovery and design, drug therapy	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Medical engineering and technology; Tissue engineering; Pharmacology, pharmacogenomics, drug discovery and design, drug therapy	Edmondo Battista	Department of Engineering and Geology
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Biophotonics, Imaging, image and data processing; Medical engineering and technology; Radiology, nuclear medicine and medical imaging	Richard Wise	Department of Neurosciences, Imaging and Clinical Sciences
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Drug development, clinical phases; Medical engineering and technology; Personalised medicine; Pharmacology, pharmacogenomics, drug discovery and design, drug therapy	Paola Patrignani	Department of Neurosciences, Imaging and Clinical Sciences
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Medical engineering and technology	Antonella Fontana	Department of Pharmacy
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Gen therapy, cell therapy, regenerative medicine	Viviana di Giacomo	Department of Pharmacy
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Medical engineering and technology; Radiology, nuclear medicine and medical imaging	Sara Moccia	Department of Innovative Technologies in F
PHYSICS	P5-Applied physics	Medical physics; Computational modelling	Laura Marzetti	Department of Engineering and Geology
PHYSICS	P5-Applied physics	Medical physics	Richard Wise	Department of Neurosciences, Imaging and Clinical Sciences
SOCIAL SCIENCES AND HUMANITIES	S5-Cognition, psychology, linguistics	Developmental psychology; Social psychology; Cognition (e.g. learning, memory, emotions, speech); Human life-span development; Fatigue and stress observation, analysis and coping	Sergio Di Sano	Department of Psychology
SOCIAL SCIENCES AND HUMANITIES	S5-Cognition, psychology, linguistics	Use of language: pragmatics, sociolinguistics, discourse analysis, second language teaching and learning, lexicography, terminology	Sara Piccioni	Department of Modern Foreign Languages, Literatures and Cultures
SOCIAL SCIENCES AND HUMANITIES	S5-Cognition, psychology, linguistics	Cognition (e.g. learning, memory, emotions, speech); Developmental psychology; Evolution of mind and cognitive functions, animal communication; Human life-span development; Neuropsychology and cognitive psychology	Carlo Sestieri	Department of Neuroscience, Imaging and Clinical Sciences
SOCIAL SCIENCES AND HUMANITIES	S5-Cognition, psychology, linguistics	Social psychology; Typological, historical and comparative linguistics; Use of language: pragmatics, sociolinguistics, discourse analysis, second language teaching and learning, lexicography, terminology	Anna Enrichetta Soccio	Department of Literature, Arts and Social Sciences
SOCIAL SCIENCES AND HUMANITIES	S5-Cognition, psychology, linguistics	Cognition (e.g. learning, memory, emotions, speech); Developmental psychology; Human life-span development	Maria Spinelli	Department of Psychology

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SOCIAL SCIENCES AND HUMANITIES	S6 - Philosophy	Epistemology, logic, philosophy of science; Ethics and morality, bioethics; History of philosophy; Philosophy; Philosophy of mind, epistemology and logic; Philosophy, Ethics and Religion	Luca Gili	Department of Socio-Economic, Managerial and Statistical Studies
SOCIAL SCIENCES AND HUMANITIES	S7-Education	Educational psychology	Sergio Di Sano	Department of Psychology
SOCIAL SCIENCES AND HUMANITIES	S8-Literature, arts, music, cultural and comparative studies	Arts (arts, history of arts, performing arts, music); Classics, ancient Greek and Latin literature and art; Comparative literature; Cultural memory, intangible cultural heritage; Cultural studies, cultural diversity; General literature studies; History of art and architecture; History of literature; Literary theory and comparative literature, literary styles; Studies on Film, Radio and Television	Anna Enrichetta Soccio	Department of Literature, Arts and Social Sciences
SOCIAL SCIENCES AND HUMANITIES	S8-Literature, arts, music, cultural and comparative studies	Design	Emilio Rossi	Department of Architecture
SOCIAL SCIENCES AND HUMANITIES	S8-Literature, arts, music, cultural and comparative studies	Arts (arts, history of arts, performing arts, music); Cultural memory, intangible cultural heritage; Cultural studies, cultural diversity; Fashion design; History of art and architecture;	Gaetano Curzi	Department of Literature, Arts and Social Sciences
SOCIAL SCIENCES AND HUMANITIES	S9-Archaeology, history and memory	Collective memories, identities, lieux de mémoire, oral history; Colonial and post-colonial history, global and transnational history, entangled histories; Cultural heritage, cultural memory; Cultural history, history of collective identities and memories; Gender history; Historiography, theory and methods of history; History of ideas, intellectual history, history of science, techniques and technologies; Modern and contemporary history; Social, economic, cultural and political history; Use of language: pragmatics, sociolinguistics, discourse analysis, second language teaching and learning, lexicography, terminology	Anna Enrichetta Soccio	Department of Literature, Arts and Social Sciences
SOCIAL SCIENCES AND HUMANITIES	S9-Archaeology, history and memory	Gender history; Medieval history; Social, economic, cultural and political history	Gaetano Curzi	Department of Literature, Arts and Social Sciences

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