

Panel	Level 1 keywords	Level 2 keywords	Ud'A Supervisors (Name Surname) - Link to Info Page	Ud'A Host Department (EN)	Ud'A Host Department (IT)	Ud'A Supervisors's Contact Email
CHEMISTRY	C1-Inorganic Chemistry	Catalysis, Coordination chemistry, Organometallic chemistry	Francesco Epifano	Department of Pharmacy	Dipartimento di Farmacia	francesco.epifano@unich.it
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	Dipartimento di Farmacia	francesco.epifano@unich.it
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Organic Chemistry; Supramolecular Chemistry	Antonella Fontana	Department of Pharmacy	Dipartimento di Farmacia	antonella.fontana@unich.it
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Organic chemistry, Supramolecular chemistry	Pietro Di Profio	Department of Pharmacy	Dipartimento di Farmacia	pietro.diprofio@unich.it
CHEMISTRY	C2-Organic, Polymer and Molecular Chemistry	Peptide chemistry	Ivana Cacciatore	Department of Pharmacy	Dipartimento di Farmacia	ivana.cacciatore@unich.it
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	Dipartimento di Farmacia	pietro.diprofio@unich.it
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	Dipartimento di Farmacia	francesco.epifano@unich.it
CHEMISTRY	C3-Physical and Analytical Chemistry	Electrochemistry, electro dialysis, microfluidics, sensors	Edmondo Battista	Department of Engineering and Geology	Dipartimento di Ingegneria e Geologia	Edmondo.battista@unich.it
CHEMISTRY	C3-Physical and Analytical Chemistry	Mass Spectrometry level; Method development in chemistry	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
CHEMISTRY	C3-Physical and Analytical Chemistry	Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions; Spectroscopic and spectrometric techniques	Antonella Fontana	Department of Pharmacy	Dipartimento di Farmacia	antonella.fontana@unich.it
CHEMISTRY	C3-Physical and Analytical Chemistry	Molecular dynamics	Ivana Cacciatore	Department of Pharmacy	Dipartimento di Farmacia	ivana.cacciatore@unich.it
CHEMISTRY	C4-Applied and Industrial Chemistry	Medicinal chemistry; Nanochemistry; New materials: nanoparticles; Pharmaceutical chemistry; Polymers and plastics	Ivana Cacciatore	Department of Pharmacy	Dipartimento di Farmacia	ivana.cacciatore@unich.it
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	Dipartimento di Farmacia	francesco.epifano@unich.it
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	Dipartimento di Farmacia	christian.celia@unich.it
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, synthesis; Materials for sensors; Nanochemistry	Edmondo Battista	Department of Engineering and Geology	Dipartimento di Ingegneria e Geologia	Edmondo.battista@unich.it
CHEMISTRY	C4-Applied and Industrial Chemistry	Biomaterials, biomaterials synthesis; Intelligent materials, self-assembled materials; Pharmaceutical chemistry	Piera Di Martino	Department of Pharmacy	Dipartimento di Farmacia	piera.dimartino@unich.it
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	Dipartimento di Farmacia	antonella.fontana@unich.it
CHEMISTRY	C4-Applied and Industrial Chemistry	Graphene, 2D materials, Hydrogen, Porous Materials	Pietro Di Profio	Department of Pharmacy	Dipartimento di Farmacia	pietro.diprofio@unich.it
ECONOMIC SCIENCES	E2-Economic Development	Competitiveness, innovation, research and development; Economics of innovation; Industrial clusters	Ceci Federica	Department of Business Administration	Dipartimento di Economia Aziendale	federica.ceci@unich.it
ECONOMIC SCIENCES	E3-Management	Entrepreneurship; Innovation management; New industrial value chains; Organization studies: theory & strategy, industrial organization; Startups	Ceci Federica	Department of Business Administration	Dipartimento di Economia Aziendale	federica.ceci@unich.it
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	Dipartimento di Economia Aziendale	alfredo.demassis@unich.it
ENVIRONMENTAL AND GEOSCIENCES	V1-Environment and society	Renewable energy source	Pietro Di Profio	Department of Pharmacy	Dipartimento di Farmacia	pietro.diprofio@unich.it
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	Dipartimento di Ingegneria e Geologia	valentino.sangiorgio@unich.it
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	Dipartimento di Medicina e Scienze dell'Invecchiamento	francesco.sartor@unich.it
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	Dipartimento di Tecnologie Innovative in Medicina & Odontoiatria	Sara.moccia@unich.it
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	Dipartimento di Ingegneria e Geologia	laura.marzetti@unich.it
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	Dipartimento di Ingegneria e Geologia	Edmondo.battista@unich.it

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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	Dipartimento di Ingegneria e Geologia	valentino.sangiorgio@unich.it
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	Dipartimento di Ingegneria e Geologia	marialaura.debellis@unich.it
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	Dipartimento di Ingegneria e Geologia	marialaura.debellis@unich.it
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	Dipartimento di Ingegneria e Geologia	Edmondo.battista@unich.it
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	Dipartimento di Architettura	antonio.basti@unich.it
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	Dipartimento di Ingegneria e Geologia	valentino.sangiorgio@unich.it
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	Dipartimento di Architettura	emilio.rossi@unich.it
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	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
LIFE SCIENCES	L1-Molecular and Structural Biology	Molecular Biology and interaction	Viviana di Giacomo	Department of Pharmacy	Dipartimento di Farmacia	viviana.digiacomo@unich.it
LIFE SCIENCES	L1-Molecular and Structural Biology	Molecular biology and interactions; Protein synthesis, modification and turnover	Susi Zara	Department of Pharmacy	Dipartimento di Farmacia	susi.zara@unich.it
LIFE SCIENCES	L2-Genetics, Genomics, Bioinformatics and Systems Biology	Proteomics; metabolomics	Piero Del Boccio	Department of Sciences	Dipartimento di Scienze	piero.delboccio@unich.it
LIFE SCIENCES	L3-Cellular and Developmental Biolog	Cell differentiation, physiology and dynamics	Viviana di Giacomo	Department of Pharmacy	Dipartimento di Farmacia	viviana.digiacomo@unich.it
LIFE SCIENCES	L3-Cellular and Developmental Biolog	Stem cell biology	Antonio Recchiuti	Department of Medical, Oral and Biotechnological Sciences	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Ageing; Metabolism, biological basis of metabolism related disorders	Francesco Sartor	Department of Medicine and Aging Sciences	Dipartimento di Medicina e Scienze dell'Invecchiamento	francesco.sartor@unich.it
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Cancer and its biological basis	Viviana di Giacomo	Department of Pharmacy	Dipartimento di Farmacia	viviana.digiacomo@unich.it
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	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
LIFE SCIENCES	L4-Physiology, Pathophysiology and Endocrinology	Cancer and its biological basis; Cardiovascular diseases	Paola Patrignani	Department of Neuroscience, Imaging and Clinical Sciences	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	ppatrignani@unich.it
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	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	Carlo.sestieri@unich.it
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	Dipartimento di Ingegneria e Geologia	laura.marzetti@unich.it
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	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	richard.wise@unich.it
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	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
LIFE SCIENCES	L6-Immunity and infection	Adaptive immunity; Anticancer therapy; Innate immunity and inflammation; Phagocytosis and cellular immunity	Domenico Mattosco	Department of Medical, Oral and Biotechnological Sciences	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	d.mattosco@unich.it
LIFE SCIENCES	L7 Diagnostic tools, therapies and public health	Medical engineering and technology	Francesco Sartor	Department of Medicine and Aging Sciences	Dipartimento di Medicina e Scienze dell'Invecchiamento	francesco.sartor@unich.it
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	Dipartimento di Farmacia	christian.celia@unich.it
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	Dipartimento di Scienze Mediche, Orali e Biotecnologiche	antonio.recchiuti@unich.it
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	Dipartimento di Ingegneria e Geologia	Edmondo.battista@unich.it
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	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	richard.wise@unich.it

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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	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	ppatrignani@unich.it
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Medical engineering and technology	Antonella Fontana	Department of Pharmacy	Dipartimento di Farmacia	antonella.fontana@unich.it
LIFE SCIENCES	L7-Diagnostic tools, therapies and public health	Gen therapy, cell therapy, regenerative medicine	Viviana di Giacomo	Department of Pharmacy	Dipartimento di Farmacia	viviana.digiaco@unich.it
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	Dipartimento di Tecnologie Innovative in Medicina & Odontoiatria	Sara.moccia@unich.it
PHYSICS	P5-Applied physics	Medical physics; Computational modelling	Laura Marzetti	Department of Engineering and Geology	Dipartimento di Ingegneria e Geologia	laura.marzetti@unich.it
PHYSICS	P5-Applied physics	Medical physics	Richard Wise	Department of Neurosciences, Imaging and Clinical Sciences	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	richard.wise@unich.it
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	Dipartimento di Psicologia	sergio.disano@unich.it
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	Dipartimento di Lingue, Letterature e Culture Moderne	sara.piccioni@unich.it
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	Dipartimento di Neuroscienze, Imaging e Scienze Cliniche	Carlo.sestieri@unich.it
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	Dipartimento di Lettere, Arti e Scienze Sociali	enrichetta.soccio@unich.it
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	Dipartimento di Psicologia	maria.spinelli@unich.it
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	Dipartimento di Studi Socio-Economici, Gestionali e Statistici	luca.gili@unich.it
SOCIAL SCIENCES AND HUMANITIES	S7-Education	Educational psychology	Sergio Di Sano	Department of Psychology	Dipartimento di Psicologia	sergio.disano@unich.it
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	Dipartimento di Lettere, Arti e Scienze Sociali	enrichetta.soccio@unich.it
SOCIAL SCIENCES AND HUMANITIES	S8-Literature, arts, music, cultural and comparative studies	Design	Emilio Rossi	Department of Architecture	Dipartimento di Architettura	emilio.rossi@unich.it
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	Dipartimento di Lettere, Arti e Scienze Sociali	gaetano.curzi@unich.it
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	Dipartimento di Lettere, Arti e Scienze Sociali	enrichetta.soccio@unich.it
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	Dipartimento di Lettere, Arti e Scienze Sociali	gaetano.curzi@unich.it