

UA	University of Antwerp - BELGIUM		
UA	Faculty /research group	Topics / expertise	Link to document
UA1	Center for Medical Genetics-cardiogenomics/Flemish Institute for Biotechnology - UAntwerp Center for Molecular Neurology	Postdoctoral candidates with expertise in spatial transcriptomics	https://medialibrary.uantwerpen.be/files/160992/caaf410b-95e3-4dee-a75f-93686e96542c.pdf
UA2	Centre of Excellence Global Change Ecology - Plants and Ecosystems Research Group (PLECO)	<ul style="list-style-type: none"> * The agro-ecological transition * The importance of micro-climate * Enhanced weathering as a negative emission technique (NET) * Big data in forest ecosystem functioning assessment * Shifting forest ecosystem seasonality 	https://medialibrary.uantwerpen.be/files/160992/5ebec32a-3d3c-4a7e-ab9e-59158edfaf3f.pdf
UA3	Centre of Excellence Global Change Ecology (GCE)	<ul style="list-style-type: none"> * The Blue Carbon pump in coastal wetlands * Bird and tick phenology * Aquatic-terrestrial coupling in ecosystem functioning 	https://medialibrary.uantwerpen.be/files/160992/7b358585-d01a-4bea-af01-9e3d5686b209.pdf
UA4	Centre of Excellence GOVTRUST - Trust and Distrust in Multi-level Governance (GOVTRUST)	Trust and distrust in multi-level governance' or related subjects	https://medialibrary.uantwerpen.be/files/160992/7635cf1c-e88a-44e4-adfe-41f46285fa02.pdf
UA5	Centre of Excellence Infla-Med	<ul style="list-style-type: none"> * Regulated cell death and survival * Hypersensitivities * Respiratory infections * Neglected parasitic diseases * Gastrointestinal disorders * Cardiovascular disorders * Oncology 	https://medialibrary.uantwerpen.be/files/160992/bdc7bbc3-c7c3-445a-9227-5408859525a1.pdf
UA6	Centre of Excellence NANOlabor - Research group A-Sense Lab	Postdoc candidate with a PhD in electrochemistry, nanomaterials, analytical chemistry, applied engineering, biotechnology, or biochemistry related.	https://medialibrary.uantwerpen.be/files/160992/0cf1e2fa-b31c-436a-9253-26ea3e1da19a.pdf
UA7	Centre of Excellence NANOlabor - Research group Condensed Matter Theory (CMT)	<ul style="list-style-type: none"> * Magnetism in 2D materials (incl. origins, tunability, magnonics, chirality (DMI and skyrmions), magnetoelectric and multiferroic effects) * Excitonic properties and excitonic superfluidity in van der Waals heterostructures * Superconductivity and advanced Josephson junctions in 2D materials and heterostructures (among other, towards Qbit applications) * Moiré physics in 2D heterostructures (in all its aspects) * In silico design of energy-related materials (catalysts, battery applications, solar cells, water-splitting, etc.) 	https://medialibrary.uantwerpen.be/files/160992/be71daf8-3ee3-475e-93c5-eeefc5b98d9.pdf
UA8	Centre of Excellence NANOlabor - Research group PLASMANT	<ul style="list-style-type: none"> *Computational techniques: * Atomic scale simulations * Molecular dynamics and Monte Carlo * Long time scale dynamics (hyperdynamics, metadynamics) * Density Functional Theory Materials and processes: * Plasma - surface interactions * Carbon nanotubes and graphene * Plasma catalysis * Nanoclusters * PECVD 	https://medialibrary.uantwerpen.be/files/160992/6c069f08-274b-42db-9397-f59b69a3babf.pdf

UA9	Experimental Neurobiology Unit (ENU)	Postdoctoral candidate with PhD degree in (bio)medical sciences, bioengineering, bioinformatics. Solid experience with either rodent research or research with human participants is requested, and combined experience is a plus. Strong programming skills in a major computing language (Matlab, R, Python, ...) are a plus. Experience with electrophysiology is a plus. The candidate needs to be a FELASA certificate holder at the time the project starts.	https://medialibrary.uantwerpen.be/files/160992/431496ad-b240-4bd6-a7ee-232c69b631b2.pdf
UA10	Faculty of Business and Economics - Department of Management - Cultural Management	Department of Management - Faculty of Business and Economics - Cultural Management: No limitations	https://medialibrary.uantwerpen.be/files/160992/9e39f80b-7911-4998-9817-7ddf7f5f4bf7.pdf
UA11	Faculty of Business and Economics - Department of Management - Entrepreneurship and Innovation Management	Department of Management - Faculty of Business and Economics - Entrepreneurship and Innovation Management: No limitations	https://medialibrary.uantwerpen.be/files/160992/c589da22-e373-43a4-86e5-422de30dbc09.pdf
UA12	Faculty of Business and Economics - Department of Management - International Management	Department of Management - Faculty of Business and Economics - International Management: No limitations	https://medialibrary.uantwerpen.be/files/160992/a17c9a6a-c669-4ddc-b8cf-965827e0bb65.pdf
UA13	Faculty of Business and Economics - Department of Management - Management, Strategy and Organization	Department of Management - Faculty of Business and Economics - Management, Strategy and Organization: No limitations	https://medialibrary.uantwerpen.be/files/160992/a52b20af-741c-4ed0-8783-e30b69d106f9.pdf
UA14	Faculty of Business and Economics - Department of Management - Professional Communication	Department of Management - Faculty of Business and Economics - Professional Communication: No limitations	https://medialibrary.uantwerpen.be/files/160992/566b1ebd-75d9-409f-a1af-3c06c2807d8d.pdf
UA15	Faculty of Design Sciences - Antwerp Cultural Heritage Sciences (ARCHES) research group	Postdoctoral candidates with a PhD in heritage studies, museum studies, folklore studies, ethnology, anthropology, archaeology, history, or another related discipline. They should be able to motivate the relevance of their disciplinary background in relation to the planned research and the ARCHES research group.	https://medialibrary.uantwerpen.be/files/160992/12f882eb-34c8-4940-b055-4c1e903d205a.pdf
UA16	Faculty of design sciences - Research group Urban Development	Research lines of the research group include: * Climate change and cities * Urban Mobility * Planning and governance	https://medialibrary.uantwerpen.be/files/160992/40805d49-37d9-4cfe-ae28-9d7520407430.pdf
UA17	Faculty of Law - DigiTax Centre of Excellence / Business and Law Research Group	* Global tax governance and North-South relationships, with a special focus on developing countries * Domestic and transnational tax reform driven by modern macrophenomena such as the digitalization of the economy, the rise of disruptive technologies, and the impact of COVID-19 * Tax law and policymaking in connection with legal and quasi-legal frameworks on sustainability and sustainable development, investment, and consumption	https://medialibrary.uantwerpen.be/files/160992/8747ed7a-c917-42ce-9a2d-44a454eae70e.pdf
UA18	Faculty of Law - Research Group Business and Law	Postdoctoral candidates studying the legal aspects of the use of artificial intelligence (AI) in online commerce. Potential topics could comprise the regulation of the use of AI by online platforms (e.g. for the dynamic setting of prices, for the tracking of users and the ranking of results, etc.) as well as the use of AI by regulators to monitor and enforce compliance with economic regulation.	https://medialibrary.uantwerpen.be/files/160992/bb3bbc33-23f8-4f81-99a3-05708ca44a39.pdf

UA19	Faculty of Sciences - Department Computer Science - Research group Adrem Data Lab / Biomina (biomedical informatics research network Antwerpen)	<ul style="list-style-type: none"> * Bioinformatics of high throughput molecular data (sequencing, mass spectrometry), including data integration, functional and network analysis; * Development and / or application of machine learning, (unsupervised) pattern discovery, artificial intelligence and computational decision support techniques for the interpretation of large scale molecular or clinical (including time series) data; * Application of data sciences in biomedical domains such as infectious diseases, immune responses and the dynamic of microbial communities (or other life science domains that fit with ongoing research); 	https://medialibrary.uantwerpen.be/files/160992/bdcaa10de533-4509-bd22-a92df8ebc520.pdf
UA20	Faculty of Sciences - Research Group Industrial Vision Lab (InViLab)	<ul style="list-style-type: none"> * Optimized skin tissue identification by combined thermal and hyperspectral imaging methodology. * Biomedical inspection and tissue identification by means of AI. * Improving quality inspection in the textile industry using vision technology. * Depth-selective chemical imaging of cultural heritage objects. * Quantitative industrial inspection through non-invasive imaging. 	https://medialibrary.uantwerpen.be/files/160992/79e160a5-29a3-46f1-96fe-5ca55065e7d7.pdf
UA21	Global Health Institute (GHI)	Biomedical research background, research expertise in any of the following topics helminthology, OMICs research, infections during pregnancy, epilepsy, cognitive development of children and clinical trials would be of interest for our research plans	https://medialibrary.uantwerpen.be/files/160992/86108f56-262a-47e8-8965-5a347496b976.pdf
UA22	Institute of Development Policy (IOB)	Postdoctoral candidates to conduct research at IOB on the topic of Development Processes, Actors and Policies.	https://medialibrary.uantwerpen.be/files/160992/943ec07c-d57d-4c7f-90a7-3b1a2b5ba46c.pdf
UA23	µNEURO Research Centre of Excellence - Bio-Imaging Lab (BIL and the Moleculair Imaging Center Antwerp (MICA) - Computational approaches for preclinical neuroimaging	Postdoctoral candidate with PhD degree in (Biomedical) engineering, (medical) physics, biomedical sciences or a closely related discipline with excellent publication record and a strong interest in conducting research from an interdisciplinary perspective.	https://medialibrary.uantwerpen.be/files/160992/aec4183a-d4a1-45b6-96e0-7823c773829b.pdf
UA24	µNEURO Research Centre of Excellence - Peripheral Neuropathy and Translational Neurosciences groups	Postdoctoral candidate with expertise in molecular and cellular neuroscience, more specifically to perform research with patient-derived induced pluripotent stem cells that we differentiate towards neuronal and muscle cells. The candidate will apply mutagenesis or gene editing to study molecular mechanisms of neuromuscular and neurodegenerative disease. This is complemented with expertise in bio-informatics, genetics, and disease modelling in 2D & 3D cell systems.	https://medialibrary.uantwerpen.be/files/160992/d14b2923-6f03-4014-86ae-528e54466476.pdf
UA25	Faculty of Business and Economics - Marketing Research Group	<ul style="list-style-type: none"> * Marketing communications, consumer behaviour * Sustainable innovations * Food purchasing and environments * Multistakeholder innovation management * Consumer behaviour 	https://medialibrary.uantwerpen.be/files/160992/15893040-9504-47d4-8ef9-f9769caab2df.pdf

UB	University of Bremen		
UB	Faculty /research group	Topics / expertise	Link to document
UB1	ALTA Institute - Research group Mathematical Foundations of Data Analysis (MGDA)	Postdoctoral candidates that work on applied/computational algebra, topology, or geometry	https://medialibrary.uantwerpen.be/files/160992/d1fc849a-9334-41d3-a2e1-ebcd4c44e843.pdf
UB2	Department Biology/Chemistry - Institute for Physical and Theoretical Chemistry Research group Theoretical Chemistry	Expertise in the development and/or application of quantum chemical/electronic structure methods to various problems in chemistry, biochemistry, or materials science	https://medialibrary.uantwerpen.be/files/160992/fc66e9ca-348c-42a5-a513-f0fdb5de6021.pdf
UB3	Department of Mathematics and Computer Science (FB3) - ALTA is research unit	Applications in applied and combinatorial topology (DFK), distributed computing (DFK), topological combinatorics (DFK,EMF), arrangement theory (EMF), and matroid theory (EMF).	https://medialibrary.uantwerpen.be/files/160992/d0269413-9912-4f8a-8940-4b5ef05bad05.pdf
UB4	Faculty of Business Studies and Economics - Professorship for Global Supply Chain Management	Postdoctoral candidates with broad research interests in operations/production, transportation and supply chain management, but also particular research interests within the following core areas that are of utmost importance to European economies of the future: - Digital supply chains including socio-technical systems - b)Future resilient circular and sustainable SCs.	https://medialibrary.uantwerpen.be/files/160992/a1f5c0aa-c183-4bd5-9af6-e448378cdaa1.pdf
UB5	MARUM Center for Marine Environmental Science - Research group Microbial Ecophysiology (MECO)	Postdoctoral candidates that are interested in understanding structure and function of anaerobic microorganisms in marine sediments. Among future topics, new research into the degradation of highly complex sugar polymers of algal origin in iron-rich marine sediments, the coupling of the iron and sulfur cycles in polar sediments, the competition of anaerobically respiring microorganisms for common electron donors, the reconstruction of ancient anaerobic microbial communities in sediments, and the development of new methods for connecting physiology and genomics of uncultivated microorganisms (e.g. using stable isotopes)	https://medialibrary.uantwerpen.be/files/160992/7db13a74-eb00-4 added-8c7c-d80aa3887441.pdf
UB6	Research group Prof. Dr. Janine Kirstein	Postdoctoral candidates with a background in biochemistry (protein purification and characterization), cell biology (mammalian cell culture and imaging techniques) or genetics (CRISPR-Cas, optogenetics)	https://medialibrary.uantwerpen.be/files/160992/d323e304-2044-4459-8018-68415756b53a.pdf
UB7	Research group Synthetic Biology - Maseck Lab	Postdoctoral candidates who are interested in System Neuroscience and want to uncover the mysteries of the brain with state-of-the-art methods, such as in vivo electrophysiology, fiberphotometry, in vivo calcium imaging and optogenetics. Experiences in in model-based data analysis and interpretation is desirable but not required.	https://medialibrary.uantwerpen.be/files/160992/337b955d-47a2-4d66-b362-f9a197cb5186.pdf
UB8	Spanish(american) literature and film studies	Research domains should fit in Latin American literatures of the 19th to the 21st centuries and film, with a special focus on the Cono Sur and focus on narratology, individual currents or questions of genre and fiction theory.	https://medialibrary.uantwerpen.be/files/160992/7f4e2f90-c603-455d-87b9-38f48f81a580.pdf

UB9	The Sustainable Communication Networks Group (ComNets)	Postdoctoral candidates in all areas of IoT and Smart City. Research topics can span all areas of hardware and software development with a special emphasis on fault tolerance, reliability and user friendliness. Special attention should be given to sustainability and SDG related research questions.	https://medialibrary.uantwerpen.be/files/160992/4099b21c-c864-4c61-b225-471d34c9ee7e.pdf
UB10	Institute of Environmental Physics (IUP) - Laboratory for Modeling and Observation of the Earth System (LAMOS)	<ul style="list-style-type: none"> *Proven experience in atmospheric modeling studies. *Good/excellent knowledge of programming in Python or R. *Experience in evaluating model output based on observational datasets. *Strong Linux/Unix knowledge. *Proven publication record in atmospheric modeling. Postdoctoral candidates with a PhD in the field of atmospheric computational sciences such as physics, chemistry, mathematics, computer science, or any other relevant field	https://medialibrary.uantwerpen.be/files/160992/0c849515-4d08-4754-920c-bb0d8a8f1e38.pdf
UB11	Visual Computing research group (CGVR)	Postdoctoral candidates who have a PhD and an excellent Master's degree in computer science, or physics, mathematics, computational engineering, or other related areas. Required skills are solid experience in programming and software development, and a very good command of English (reading/writing/speaking). It would be a bonus, if you specialized in real-time computer graphics or physically-based simulation, you are capable of effectively applying mathematical methods, and you have good knowledge in GPGPU programming. Depending on the research topic, knowledge in machine learning and neural networks could be helpful.	https://medialibrary.uantwerpen.be/files/160992/4c1c0352-c8e3-4d9f-974f-040506e8fac1.pdf
UB12	Bremen International Graduate School of Social Sciences (BIGSSS)	Postdoctoral candidates with strong research and academic abilities in political science, sociology, or psychology. Potential candidates with a degree in re-lated social science disciplines are also welcome.	https://medialibrary.uantwerpen.be/files/160992/8163f7c3-bc36-4c17-a1a0-82a949adbfac.pdf

UCY	University of Cyprus - CYPRUS		
UCY	Faculty /research group	Topics / expertise	Link to document
UCY1	Biobank.cy Center of Excellence in Biobanking and Biomedical Research - Nephrology Innovation Research Group	Postdoctoral candidates with a medical, biomedical or health science background and an interest in renal disease. These include candidates with primary degrees in biochemistry, physiology, molecular biology, genetics, pharmacology, pharmacy, physiotherapy, clinical psychology and nursing.	https://medialibrary.uantwerpen.be/files/160992/0f5f4171-aa56-4bec-a73a-687bcbc47d05.pdf
UCY2	Computer Science Department -Security Research (SREC)	Postdoctoral candidates that are familiar with systems security, software exploitation, software instrumentation, and software analysis. Experience with Machine Learning (ML), although not required, will be considered a plus.	https://medialibrary.uantwerpen.be/files/160992/6321972b-155f-451e-9d39-4e468628fa12.pdf
UCY3	Cyprus Acquisition Team (CAT Lab)	<ul style="list-style-type: none"> * syntax, semantics, morphology or pragmatics (bibliography-based or experimental) * first language acquisition * second or third language acquisition * multilingualism, bilingualism, bilingualism, and diglossia * sociolinguistic aspects of language development * neurolinguistic or clinical aspects of language development * endangered languages and fieldwork practices 	https://medialibrary.uantwerpen.be/files/160992/ff7a923e-f303-43ff-8988-759668ae2ffc.pdf
UCY4	Department for History and Archaeology - Sylvia Ioannou Chair for Digital Humanities - Laboratory of Digital Humanities GeoInformatics	<ul style="list-style-type: none"> * Satellite Remote Sensing Applications in Archaeological Research * Drone multispectral imagery and site detection * Historical Landscape Characterization (HLC) * Spatial tools of GIS analysis in Archaeology * Digital History * Settlement Pattern analysis * Predictive modelling analysis in archaeology * Environmental Risk Assessment of archaeological sites and monuments * Data fusion and image fusion for aerial, geophysical, satellite images * Machine Learning and Artificial Intelligence algorithms in geophysical data * Deep mapping and Deep learning in archaeological research and digital History * Time series analysis of satellite images for the monitoring of archaeological sites 	https://medialibrary.uantwerpen.be/files/160992/642f95fe-b10e-4202-98ca-ec0fa5c42e6e.pdf

UCY5	Department of Biological Sciences - Infection and Cancer Laboratory	Postdoctoral candidates for an MSCA-PF application are welcome to apply and work on topics within the expertise of the lab, including the modelling of Microbe-Metabolite-Host interactions leading to dysplasia and tumorigenesis using primarily Drosophila genetics and intestinal histopathology assays (Apidianakis & Rahme Nat. Protoc. 2009; Apidianakis et al PNAS 2009; Bangi et al EMBO Rep 2012; Tamamouna et al Development 2020). Our team broadly studies infectious diseases and carcinogenesis in Drosophila and mice exploiting their potential for preclinical trials	https://medialibrary.uantwerpen.be/files/160992/1e6c7d74-545e-4346-9647-6db6f537872c.pdf
UCY6	Department of Chemistry	Postdoctoral Candidates with an interest in the interpretation of ab initio and DFT type calculations (“numbers”) in order to verify existing conceptual models (with a remote possibility to develop a new one) for the “behavior” of “small”-size molecular entities. Ability to design computational “experiments” to aid the interpretation is considered a “+”.	https://medialibrary.uantwerpen.be/files/160992/5ce0dc2a-fe33-4556-9721-5f39bcccca44.pdf
UCY7	Department of Chemistry - EMPHASIS Centre Research group: Molecular Spectroscopy Laboratory	Organic electronics: * Organic conjugated polymers and doping for use in bioelectronics * Ternary photovoltaic solar cells * Organic spintronics	https://medialibrary.uantwerpen.be/files/160992/54e00e55-f3ce-48a9-90aa-cfb413948daa.pdf
UCY8	Department of Electrical & Computer Engineering - EMPHASIS Research Centre - Microwave Photonics Research Laboratory	* Microwave photonics * Integrated photonics * Optoelectronics * Optical communications * Microwave engineering	https://medialibrary.uantwerpen.be/files/160992/5e27264d-1fe1-4cc9-b0e8-269721468a8e.pdf
UCY9	Department of Civil and Environmental Engineering - Research group of Dr Argyro Tsipa: Environmental Biotechnology (EmBIOSysTech)	* Microbial fuel cells: Biodegradation of wastewater and generation of electricity * Circular bio-economy: Biosurfactants and Polyhydroxyalkanoates (PHAs) production from industrial wastewater bioremediation * Metabolomics and genomics analysis * Bioinformatics * Mathematical modelling-DOEs	https://medialibrary.uantwerpen.be/files/160992/11c5af34-1cfe-4ed9-ba85-99aec82ac052.pdf
UCY10	Department of Civil and Environmental Engineering (CEE) - Research group Ledra and Building Materials Labs	Characterization, reproduction and optimization of historic (lime and/or gypsum) mortars from Cyprus	https://medialibrary.uantwerpen.be/files/160992/dbb9c55b-1dfc-4d8a-97f1-16281ea73395.pdf
UCY11	Department of Classics and Philosophy	Philosophy (ethics, metaethics, epistemology, metaepistemology)	https://medialibrary.uantwerpen.be/files/160992/f53b9ee9-8d98-49c0-a90c-21f1b37b7609.pdf

UCY12	Department of History and Archaeology - Byzantine and Medieval Studies Research Group	<ul style="list-style-type: none"> * Medieval art and architecture in Western Europe, especially Gothic architecture and sculpture * Medieval art and architecture in the Latin East * Byzantine monumental painting and iconography, especially of the Middle and Late Byzantine periods * Aspects of Byzantine material culture and daily life, especially Byzantine dress * Byzantine court and imperial ceremonies * Monumental art and architecture of Byzantine Cyprus (4th – 10th c. AD) * Byzantine and medieval settled and sacred landscapes in Greece and Cyprus * Byzantine-modern pottery technology and use in the Eastern Mediterranean * Historical archaeology of the Euro-Mediterranean region * Byzantine and medieval history, especially social and environmental history * History of medicine, disease, and medical practitioners * Reception of antiquity in the postclassical world * History of the crusades and the Latin East * History of the Greek world under Latin rule * History of Cyprus under Lusignan and Venetian rule, especially its social and cultural aspects 	https://medialibrary.uantwerpen.be/files/160992/7d4e9549-511c-4e62-964b-9e6b7f6aee46.pdf
UCY13	Department of History and Archaeology - Artefact and Landscape Studies Laboratory (ArtLandS Lab) - Archaeological Research Unit	<ul style="list-style-type: none"> * Identity Formation & Reception Studies * Gender and Material Culture * Community Archaeology * Archaeological Ethnography * Historical Archaeology * Medieval & Post-Medieval Archaeology * Landscape and Spatial Archaeology * Archaeological Field Survey * Settlement Archaeology * Sacred Landscapes * Medieval and Post-Medieval Pottery (Aegean and Eastern Mediterranean) * Medieval and Post-Medieval Everyday Life 	https://medialibrary.uantwerpen.be/files/160992/517a8c9e-3a9f-489c-b042-72808ab01c3f.pdf
UCY14	Department of Mathematics & Statistics and the Department of Economics	A mainstream research topic is the analysis of high-dimensional dependent data. In this framework, financial data is a central theme: to explore innovative research in the following broad areas: Nonlinear models, Spatio-temporal modelling, measures of dependence, big data, machine learning, clustering and prediction.	https://medialibrary.uantwerpen.be/files/160992/5a34bc6b-fde8-4e00-97d5-fa19d64c192c.pdf

UCY15	Department of Physics - Experimental Particle Physics - CMS Group	Postdoctoral candidates in a broad regime of beyond the standard model searches with leptonic and hadronic final states. Our research groups pursue inclusive searches over a wide phase space including but not limited to models with new charged and neutral scalar states, heavy fermions, leptoquarks, and dark matter candidates.	https://medialibrary.uantwerpen.be/files/160992/84fbd503-a32a-454f-bb98-20fc35d45102.pdf
UCY16	Nanotechnology Imaging and Detection Lab (NIDL)	Expertise in nanotechnology for sensors OR experience in bioengineering/biology	https://medialibrary.uantwerpen.be/files/160992/5db03130-b2a9-42ca-8f15-abcf2c77be3d.pdf
UCY17	Networked Control Systems (NetCoSy) Group	<ul style="list-style-type: none"> * Networked control systems (resource allocation, control over communication, communication for control, etc) * Distributed coordination and distributed optimization * Intelligent transportation systems (intersection crossing, platooning, traffic control) 	https://medialibrary.uantwerpen.be/files/160992/b92a1090-2f86-47d4-8d88-a7eabdc094af.pdf
UCY18	PV Technology Lab - FOSS Research Centre for Sustainable Energy - Electromagnetics and Novel Applications Lab	Postdoctoral candidates in the fields of renewable energy sources, photovoltaics (PVs), solar energy, power systems, smart electricity networks, smart cities, smart grids, smart mobility, transport, energy efficiency, energy saving, energy storage, green hydrogen, enabling technologies, integrated solutions, energy policy, energy economics, or any other related scientific area.	https://medialibrary.uantwerpen.be/files/160992/a14b9d20-26b2-4558-8538-d44193f4f9a3.pdf
UCY19	Research group Physical Chemistry of Colloids and Interfaces	<ul style="list-style-type: none"> * Lanthanide salt effects on lipid monolayers and vesicles. The work will include X-ray diffraction at the water surface and Small-Angle X-ray scattering, probably performed in European synchrotron centres * Covalent bonding of natural antioxidants (such as EGCG or anthocyanins) on emulsifiers (e.g. BSA) and/or wall components of multilayer emulsions (e.g., chitosan, pectin, chondroitin sulfate). Examination of the interfacial composition and its effect on antioxidant action against the oxidation of omega-3 – containing edible oils * Design of silicate mesoporous materials that can act as sorbents for selective removal of boron from desalination water or for uranium recovery from seawater. 	https://medialibrary.uantwerpen.be/files/160992/c6484640-9c11-43dc-8bcf-464acc56373a.pdf
UCY20	Synthetic Organic Chemistry & Chemical Biology Research Laboratory	<ul style="list-style-type: none"> * Synthesis of novel G-quadruplex ligands and biophysical evaluation of their interaction with selected G4 DNA or RNA targets, aiming towards generating new pharmaceutical leads or target-specific bio-imaging probes * Development of novel bio-inspired materials based on guanine nucleobase self-assembly and investigation of their structure and properties (e.g., chirality) via different (spectroscopy and microscopy) techniques, as well as their potential for use in energy-transfer applications. 	https://medialibrary.uantwerpen.be/files/160992/d416afa0-359f-4cff-a539-27dd78311a2b.pdf

UNIRI	University of Rijeka - CROATIA		
UNIRI	Faculty /research group	Topics / expertise	Link to document
UNIRI1	Department of Biotechnology - Research group Kalafatovic lab (Design of short peptides)	Postdoctoral candidates with a PhD in Chemistry and previous experience in the organic synthesis and characterization of peptide nanostructures. Good knowledge of analytical and mass spectrometry methods is required (HPLC, UPLC-MS / MS, MALDI-TOF) and other characterization methods (CD, DLS, UV-Vis, fluorescence, NMR).	https://medialibrary.uantwerpen.be/files/160992/20cf43d4-9f1a-4b5b-9e6b-18eadcd1f33a.pdf
UNIRI2	Faculty of Informatics and Digital Technologies - Laboratory for Pattern Recognition and Soft Computing / Centre for Artificial Intelligence - Laboratory for Computer Vision, Virtual and Augmented Reality	Detection, monitoring, and recognition of athletes' actions in sports videos; team tactics analysis. Robust detection and tracking of objects in surveillance and rescue applications Postdoctoral candidates with PhD in Computer Science or relevant field, with a research topic in computer vision, machine or deep learning, or computer visualization	https://medialibrary.uantwerpen.be/files/160992/5ed8f642-c415-4089-a3bf-3414af8761ac.pdf
UNIRI3	Faculty of Civil Engineering - Applied Mechanics Research Group	Postdoctoral candidates with a strong interest and broad knowledge of mechanics firmly grounded in fundamental physical principles with more specific expertise in one of the areas of interest of the potential supervisors, possibly acquired during Ph.D. studies. Additional expertise in programming (Wolfram Mathematica, MathWorks Matlab, Python, Fortran, LabVIEW particularly welcome) and laboratory work is highly desired.	https://medialibrary.uantwerpen.be/files/160992/2614b33a-05de-4c70-a0cb-5403fd1cad80.pdf
UNIRI4	Faculty of Engineering - Research group precision engineering laboratory	Postdoctoral candidates familiar with research domains of experimental measurement in mechanical engineering and especially precision engineering and physics (thin films, surface characterisation, atomic force microscopy (AFM), Lateral Force Microscopy (LFM), LFM calibration methods, spectroscopy, and microscopy methods, etc.), numerical (multi-scale) modelling and development of machine learning and/or artificial intelligence blackbox and whitebox models, are welcome to apply. Candidates' familiarity with topics of tribology, surface properties, adhesion, wear, thin-film synthesis and characterisation are also welcome. Familiarity with molecular dynamics modelling and multi-scale modelling is a plus.	https://medialibrary.uantwerpen.be/files/160992/4c1b9d01-b1c8-4a4a-9ee1-5e3940c1195f.pdf
UNIRI5	Faculty of Engineering - Research group precision engineering laboratory	Advanced mechanical engineering modelling, mechatronics, basic electronics, experimental characterisation of complex mechatronics systems, power management, using of common SW tools for data collection and elaboration. Postdoctoral candidates with PhD in Mechanical Engineering or, alternatively, Mechatronics, possibly even Physics	https://medialibrary.uantwerpen.be/files/160992/f7c5b37e-f3f4-48b6-b4ed-c09f37ac1c19.pdf
UNIRI6	Faculty of Engineering - Research group precision engineering laboratory	Postdoctoral candidates familiar with the mechatronics field in general, as well as robotic systems and machine learning techniques are welcome to apply. Upon joining our team, the MSCA postdoctoral candidate will be involved in an ongoing interdisciplinary project, i.e., the development of an active upper limb mechatronics robotic device used in active physical rehabilitation.	https://medialibrary.uantwerpen.be/files/160992/2307ab2c-dc07-4282-9d5c-62b43a789683.pdf

NCU	Nicolaus Copernicus University - POLAND		
NCU	Faculty /research group	Topics / expertise	Link to document
NCU1	Department of Constitutional Law	<ul style="list-style-type: none"> * The crisis of democracy in the countries of Central and Eastern Europe, with a focus on the Visegrad Group countries. * Challenges of respecting the rule of law at the national and EU level * National Parliaments as the 'tax masters' - fiction or reality in an era of Europeanization and Globalization * Democratic Legitimacy in the Post-Crisis European Economic Governance * limitation of constitutional freedoms in EU Member States during the Covid-19 pandemic and its impact on national constitutional identity 	https://medialibrary.uantwerpen.be/files/160992/61f97a25-d167-474b-ac5d-7d4dd88e6a7b.pdf
NCU2	Department of Science and Higher Education Research	<ul style="list-style-type: none"> * Higher education * University Governance * Sociology of education * Public policy in the field of education * Academic Leadership 	https://medialibrary.uantwerpen.be/files/160992/29cdac26-8101-4740-be02-58a5097672ef.pdf
NCU3	Interdisciplinary Center for Modern Technologies (ICNT)	<ul style="list-style-type: none"> * Metal and metal oxide nanoparticles synthesis * Synthesis of NALDI plates * Proteomics and metal-protein interactions * Identification and differentiation of closely related bacteria * Study of the diatomic algae 	https://medialibrary.uantwerpen.be/files/160992/7752b247-1bbf-4ffb-86b8-6cdd1f9dbc89.pdf