

SEA-EU Master Research Internships

In order to facilitate international mobility between SEA-EU universities, we've been identifying topics in all disciplines with motivated researchers willing to welcome Master Interns in their lab for a Master Research project in 2023-24. See full list below. Please get in touch directly with researchers (contact details are in each topic description), sending them your CV, a letter of motivation and an academic transcript.

Make sure that the offer meets the [criteria for Erasmus+ funding at UG](#).

Mathematics

1. **Multimodal Framework for Emotions Classification** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Multimodal-Framework-for-Emotions-Classification.pdf
2. **Framework for Human Attributes Classification** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Framework-for-Human-Attributes-Classification.pdf
3. **Cognitive Maps – modeling and artificial implementation** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Cognitive-Maps_modeling-and-artificial-implementation.pdf

Computer & information sciences

1. **INTELLICITIZEN. Building a framework for identifying problems in the city through social sensing** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_ComputerSci_Munoz.pdf
2. **Privacy-preserving and human-centered analytics on distributed ledger technologies** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_SoftwareProcessImprovement_Dodero.pdf

Mechanical engineering

1. **Prototyping and dynamical testing of advanced meta-materials and porous structures** (UNIST) - https://sea-eu.org/wp-content/uploads/2023/06/UNIST-offer_FESB.pdf
2. **Development of new composite materials using 3D printing: contribution of rheology to the study of 3D printability criteria for microwave electronics applications** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO-materials_Ville.pdf
3. **Energy recovery from residual biomass** (UPN) - https://sea-eu.org/wp-content/uploads/2023/06/UPN_LATEC_Energy_Biomass.pdf

4. **Tribological study of AM materials** (UCA) - <https://sea-eu.org/wp-content/uploads/2023/11/Internship-tribology.pdf>

Electrical engineering, electronic engineering, information engineering

1. **Solar Energy harvesting to power an RF communicating system** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO_solar-energy_Allanic.pdf
2. **Study of a new RF antenna. Application to Roller shutter** (UBO) - https://sea-eu.org/wp-content/uploads/2024/01/internship_UBO_CGWI_2024_PMMARTIN.pdf
3. **Post-hoc attention with class activation mapping for fault classification of rotary machinery** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALg_Post-hoc-attention-with-class-activation-mapping-for-fault-classification-of-rotary-machinery.pdf
4. **MILAGE LEARN+: Digital Certification with Blockchain** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALg_MILAGE-LEARN-Digital-Certification-with-Blockchain.pdf
5. **New underwater acoustic transducers and instruments for the Ocean acknowledgement and exploitation** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALg_New-underwater-acoustic-transducers-and-instruments-for-the-Ocean-acknowledgement-and-exploitation.pdf
6. **Neuromorphic computing, DNA computing, Biosensors, Synthetic Biology** (CAU) - https://sea-eu.org/wp-content/uploads/2023/09/230925_Internship_Kiel-University_Steinkuehler.pdf
7. **Optical distributed sensing** (CAU) - https://sea-eu.org/wp-content/uploads/2023/09/230928_Internship_Kiel-University_Pachnicke.pdf
8. **Gold growth, nanotechnology, biosensing, optical sensing** (CAU) - https://sea-eu.org/wp-content/uploads/2023/11/231103_Internship_Kiel-University_Gerken.pdf

Engineering & technology

1. **Experimental and numerical analysis of the dynamic behaviour of a water-to-water heat pump in a real building** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_ThermalEngineering_Sanchez.pdf

Environmental engineering

1. **Environmental acoustics** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Acoustics_Espinosa.pdf

Materials engineering

1. **Product desing and material development for Additive Manufacturing** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Materialsdevelopment_MorenoSanchez.pdf

Earth and environmental sciences

1. **Mapping the environmental risk of fishing ports** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALg_Mapping-the-environmental-risk-of-fishing-ports.pdf
2. **Water treatment for minimizing marine pollution through ballast water** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_MARINE-POLLUTION_Moreno.pdf
3. **Use of waste macroalgae to develop bioactive nanoparticles** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_WasteMacroalgae_Castro.pdf
4. **Searching for sustainability and environmental friendliness in an Laboratory of Electroanalysis** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Electroanalysis_Cubillana.pdf
5. **Oceanography data acquisition and analysis** (UM) - <https://sea-eu.org/wp-content/uploads/2023/07/UM-Oceanography-data-acquisition-and-analysis-Deidun.pdf>
6. **Renewable energy & sustainability** (UM) - https://sea-eu.org/wp-content/uploads/2023/09/UM-renewable-energy_sustainability-L.-MuleStagno.pdf

Chemistry

1. **Skin eco–biology and aging** (UNIST) - https://sea-eu.org/wp-content/uploads/2023/06/UNIST-offer_Medils.pdf
2. **Synthesis and reactivity studies of diiron organometallic complexes related to the active site of [FeFe]-hydrogenase for small molecule activation** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO_Chemistry_chetalain.pdf

Chemical sciences

1. **Analytical tools in viticulture** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Analytical-tools-in-viticulture_Aliano.pdf
2. **Analytical tools in viticulture 2** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Analytical-tools-in-viticulture_Ruiz.pdf
3. **Analytical tools in viticulture 3** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Analytical-tools-in-viticulture_Palma.pdf

4. **Analytical tools in viticulture 4** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Analytical-tools-in-viticulture_Fernandez.pdf
5. **Bio-waste valorisation for heavy metal sorption** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Environmental-analytical-chemistry_Casanueva.pdf
6. **Potential risk of exposure to metal pollutants present in dust from different environments (industrial, mining, port...)** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Environmental-analytical-chemistry_Galindo.pdf
7. **Polymer inclusion membrane-based optical sensor for the metal ions analysis in real samples** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Environmental-analytical-chemistry_Granado.pdf
8. **Forensic chemistry** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Forensic-Chemistry_Marta-Ferreiro.pdf
9. **Analytical tools in viticulture** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Metal-determination_Espada.pdf
10. **Analytical tools in viticulture** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Analytical-tools-in-viticulture_Carrera.pdf

Biology

1. **Evaluating the biocontrol potential of spore forming bacteria** (UBO) - https://sea-eu.org/master-research-internships-2024/#:~:text=https%3A%2Fsea%2Fsea-eu.org/wp%2Fcontent/uploads/2023/06/UBO_microbiology_Desriac.pdf
2. **Theory of holobiont** (UBO) - https://sea-eu.org/wp-content/uploads/2023/11/UBO_microbiology_Chevalier.pdf
3. **PHBV-SEA: Probing the Potential of Marine Bacterial and Fungal Isolates for PHBV Degradation through Exploring Novel Biodegradation Strategies including Synergistic Approaches** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO_microbiology_Burgaud.pdf
4. **Dietary effects of algae supplementation on Senegalese sole larvae resilience** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Dietary-effects-of-algae-supplementation-on-Senegalese-sole-larvae-resilience.pdf
5. **Dietary effects of algae supplementation on gilthead seabream juveniles resilience** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Dietary-effects-of-algae-supplementation-on-gilthead-seabream-juveniles-resilience.pdf
6. **Re-purposed biological residues, through biotechnological processes** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Re-purposed-biological-residues-through-biotechnological-processes.pdf
7. **Bioregeneration of phytobiotics from agro-industrial waste** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Bioregeneration-of-phytobiotics-from-agro-industrial-waste.pdf

Biological sciences

1. **Quality control on NGS-data, assembling bacterial genomes, gene expression analysis** (CAU) - https://sea-eu.org/wp-content/uploads/2023/09/CAU_Internship_Chibani_Project-1.pdf
2. **Metagenomes assembled genomes** (MAGs) and viromes recovery from a longitudinal study of the human gut and dynamics analysis (CAU) - https://sea-eu.org/wp-content/uploads/2023/09/CAU_Internship_Chibani_Project-2-.pdf
3. **Pathomechanisms leading to intestinal fibrosis, gut dysmotility and chronic pain in inflammatory bowel disease** (CAU) - https://sea-eu.org/wp-content/uploads/2023/10/231005_Internship_Kiel-University_Escudero-Hernandez.pdf

Health sciences

1. **Functional consequences of missense mutations affecting a splicing factor in cancer** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO_DelphineBernard.pdf
2. **Exercise Physiology, Nutrition, and Health** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Exercisephysiology_Casals.pdf
3. **Understanding neurodegenerative disorders with cell-type specificit** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_neurodegenerative-disorders_Munoz.pdf
4. **Sports science, physical activity, dance and health** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_SportsScience_Padilla.pdf

Social & economic geography

1. **Competitive Intelligence for hotel establishments** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_CompetitiveIntelligence_Lechuga.pdf
2. **Coastal Heritage and Sustainable Tourism: Exploring Conservation and Community Engagement Strategies** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_CoastalHeritage_Ramirez.pdf

Economics & business

1. **Applications of machine learning in the hospitality industry for maximizing revenue** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UAlg_Applications-of-machine-learning-in-the-hospitality-industry-for-maximizing-revenue.pdf
2. **Pro-environmental behaviours for recycling** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UAlg_Pro-environmental-behaviours-for-recycling.pdf

3. **Sentiment analysis applied to tourism destinations experiential image** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Sentiment-analysis-applied-to-tourism_exploring-the-TGC-in-tourism-or-hospitality.pdf
4. **Blue Growth, structural change and resilience of coastal regions during the pandemic crisis** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Blue-Growth-structural-change-and-resilience-of-coastal-regions-during-the-pandemic-crisis.pdf
5. **Storytelling heritage and/or art museums from visitors' perspective** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Storytelling-in-heritage-and_or-art-museums.pdf
6. **Sentiment analysis applied to tourism_exploring the TGC in tourism or hospitality** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Sentiment-analysis-applied-to-tourism_exploring-the-TGC-in-tourism-or-hospitality.pdf
7. **Comparative analysis of Ryanair operational bases in European Islands** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Comparative-analysis-of-Ryanair-operational-bases-in-European-Islands.pdf
8. **Tourism development of rural areas and residents' quality of life** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Tourism-development-of-rural-areas-and-residents-quality-of-life.pdf
9. **Sustainable tourism and Bauhaus impact at cultural strategies-European cultural capital cities** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Sustainable-tourism-and-Bauhaus-impact-at-cultural-strategies-European-cultural-capital-cities.pdf
10. **Consumer Experience Design** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Consumer-Experience-Design.pdf
11. **Integrated Reporting, Accountability and Transport Industry** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Integrated-reporting_Rodriguez.pdf
12. **Integrated Reporting, Accountability and Transport Industry 2** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Integrated-reporting_Gomez.pdf
13. **Integrated Reporting, Accountability and Transport Industry 3** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Integrated-reporting_Biedma.pdf
14. **Foresight methods as a tool for developing a research and development strategy using the example of the BlueHealthTech project** (CAU) - https://sea-eu.org/wp-content/uploads/2023/09/CAU_Internship_Techman.pdf

Sociology

1. **Sports, water sports and territories: a comparative study of the organization of the sports system** (UBO) - https://sea-eu.org/wp-content/uploads/2023/06/UBO-sociology_michot.pdf

Political sciences

1. **Governance structures and practices in social media** companies (UBO) - <https://sea-eu.org/wp-content/uploads/2023/06/UBO-political-Ndior.pdf>

History & archaeology

1. **Maritime communities: Trade and Fishing (Medieval and Modern Times)** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Maritime-communities_Trade-and-Fishing-Medieval-and-Modern-Times.pdf
2. **Prehistoric peoples in changing coastal environments** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Prehistoric-peoples-in-changing-coastal-environments.pdf
3. **Translation of the contents of the web platform designed by the WONDERCOINS project** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Archeology_Fernandez.pdf

Languages & literature

1. **The Digital Encyclopedia of British Sociability in the Long Eighteenth Century / Platform Evolution** (UBO) - <https://sea-eu.org/master-research-internships-2024/#:~:text=UBO%2Dliterature%2Dref1.pdf>
2. **Game-based English speaking test: Designing games** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_englishspeaking_Eizaga.pdf

Media & communications

1. **Screenwriting for documentaries** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Screenwriting-for-documentaries.pdf
2. **Media & Science Communication Practices** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Media--Science-Communication-Practices.pdf
3. **Digital Communication** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Digital-communication.pdf
4. **Strategic communication** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Strategic-Communication.pdf
5. **Editorial design** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Editorial-Design.pdf
6. **Social design** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Social-Design.pdf

Education

1. **Participation and Democratic Citizenship** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Participation-and-Democratic-Citizenship.pdf
2. **Social Cohesion and Youth Emancipation** (UALG) - https://sea-eu.org/wp-content/uploads/2023/06/UALG_Social-Cohesion-and-Youth-Emancipation.pdf
3. **Education, Sustainability and Crafts** (UCA) - https://sea-eu.org/wp-content/uploads/2023/06/UCA_Education-Sustainability-and-Crafts_Munoz.pdf

