Part of the Martí i Franquès COFUND Fellowship Programme (MFP-COFUND), the Universitat Rovira i Virgili has opened the call for applications for 28 predoctoral research fellowships in different research areas (Arts & Humanities, Sciences, Social & Legal Sciences, Engineering & Architecture, Health Sciences). This is a very good opportunity to enrol a doctorate programme at the URV, in excellent conditions. You can see below an email on the general information of the program + a list of the titles of the research projects we are looking candidates for. **Deadline is 20 May**, so any dissemination you could do would be much appreciated. **Our target** is the people that would like to do their PhD in our university, so **Master Students**. If there is any change that you could identify any master coordinator/manager contact details or you could send this information to them would be great for us!

**Briefly, the MFP-COFUND Programme offers:**

- 3-year working contract (starting in October 2018)
- An intense multi-disciplinary and intersectoral training, the fruit of collaborations with over 30 partners that actively support this programme
- One of the best salaries at PhD level in Europe (2.200 €/month gross salary)
- An international environment, supported by the adherence to the European Charter & Code
- Enrolment in excellent PhD programmes
- Opportunity to do research in a top 500 universities in the world (76 in THE Young universities ranking)
- Access to high-quality infrastructures for research & innovation

For the 2018 edition, there are 52 research projects on offer. However, only **28 fellowships** will be financed (one of the 28 fellowships is exclusively for candidates with disabilities). Please see the **full list of research projects**.

For further information, consult the MFP-COFUND **website**.

If you have any questions, please do not hesitate to contact us: mfp.cofund@urv.cat

Following you can see all the research projects’ titles:

- **2018MFP-COFUND-1**: Proton Transport membranes based on novel polymeric columnar materials
- **2018MFP-COFUND-2**: Microalgae-Based Direct Photovoltaic Biofuel Cells for the Integrated Biorefinery
- **2018MFP-COFUND-3**: Financial performance of airline industry: How big is the difference between accounting and market value?
- **2018MFP-COFUND-4**: Data processing and analysis for metabolomic studies
- **2018MFP-COFUND-5**: Towards extraction and purification protocols for marine toxins based on cyclodextrin-derived nanomaterials
- **2018MFP-COFUND-6**: Life-cycle assessment of agricultural engineering: Indicators for environmental quantification of nutrient flows and eutrophication impact assessment
- **2018MFP-COFUND-7**: 2D nanomaterials for gas sensing and energy
- **2018MFP-COFUND-8**: Innovation and diffusion of ideas in multilayer networks
- **2018MFP-COFUND-9**: Electrostatic fields based printing of nano- and bio-structures
- **2018MFP-COFUND-10**: Automatic difficulty level generator for physical rehabilitation exercises by entertainment
- **2018MFP-COFUND-11**: Elicitation of Preference and Shared Decision Making in Screening Programs
- **2018MFP-COFUND-12**: The performance in the Spanish hospitality industry: The impact of the online ratings and opinions of customers
- **2018MFP-COFUND-13**: Integration of omic data for personalized nutrition
- **2018MFP-COFUND-14**: Study and development of polymer solar cells
• 2018MFP-COFUND-16: Contribution to the improvement for a prosthetic model simulation with FE for location of cancer injuries
• 2018MFP-COFUND-17: Bio-inspired Nano channel platforms
• 2018MFP-COFUND-18: Surface-enhanced Raman scattering (SERS) profiling of RNA from tumour educated platelets
• 2018MFP-COFUND-19: An inclusive school for a digital society
• 2018MFP-COFUND-20: Experimentally and computationally guided design of efficient water oxidation catalysts
• 2018MFP-COFUND-21: In Silico Design of Efficient Photocatalysts
• 2018MFP-COFUND-22: New opto-microfluidics biosensor for mycotoxins detection in food. Design and development
• 2018MFP-COFUND-23: Mediterranean Diet and Dementia and Cognition
• 2018MFP-COFUND-24: Healthy meals (PECT: TurisTIC en familia)
• 2018MFP-COFUND-25: Linguistic Competences in Digital Era: Improvements in Productivity and Labour Employability
• 2018MFP-COFUND-26: Challenging Conventional Wisdom on Waiting Behaviour
• 2018MFP-COFUND-27: Epidermis and vaccination dilemma in complex networks
• 2018MFP-COFUND-28: Conversion of plastic waste into fuel and added-value chemicals
• 2018MFP-COFUND-29: Molecular tools for the rapid and cost-effective detection of mycotoxins
• 2018MFP-COFUND-30: Autonomous vision-based system for assistive robots in a domestic environment
• 2018MFP-COFUND-31: Carbon-based catalytic membrane reactors for the treatment of emerging and recalcitrant water contaminants through Fenton-like processes
• 2018MFP-COFUND-32: Environmental sensing in smart cities. An integrated photonic device applied to NO2 gas traces.
• 2018MFP-COFUND-33: Recovery and re-use of urban solid organic waste with WWTP effluent
• 2018MFP-COFUND-34: Modelling and simulation of nano/microgels for the transport and controlled release of drugs and other substances
• 2018MFP-COFUND-35: Integration of techniques to evaluate the human risk to long term at low level exposure to mixtures (Long-Low-Mixtures)
• 2018MFP-COFUND-36: Development of Low Cost Molecular Diagnostics Device
• 2018MFP-COFUND-37: New methodology to produce starters with nutritional Applications
• 2018MFP-COFUND-38: Optimal design and optimization of sustainable chemical processes
• 2018MFP-COFUND-39: Determining interpersonal differences concerning preferences and performance in teaching methodologies in engineering
• 2018MFP-COFUND-40: Effect of a Mediterranean diet on changes in gut microbiota and epigenetic tags
• 2018MFP-COFUND-41: Preventive long-lasting effects of food bioactives on gastrointestinal tract under metabolic homeostatic challenges: obesogenic diet and aging
• 2018MFP-COFUND-42: Effect of weight loss with a hypocaloric Mediterranean diet and physical activity promotion in the prevention of chronic kidney disease: sub-study of Predimed-Plus
• 2018MFP-COFUND-43: Intelligent Food Ingredients Quality Control System
• 2018MFP-COFUND-44: Microfluidics for food applications: design of dispersion-based edible delivery systems
• 2018MFP-COFUND-45: New strategies to encapsulate probiotics in dispersion-based Systems
• 2018MFP-COFUND-46: Rearing mealworms for human consumption using agricultural bio-waste
• 2018MFP-COFUND-47: Interaction of biological rhythms with the effectiveness of bioactive compounds
• 2018MFP-COFUND-48: Expecting landscapes: The case of Camp de Tarragona
Positions reserved for disabled people:

- **2018MFP-COFUND-49**: Modelling and optimization: Energy efficiency and Thermal energy storage
- **2018MFP-COFUND-50**: Detection and quantification of toxins in food by a new opto-microfluidics biosensor. Design and development
- **2018MFP-COFUND-51**: Co-creation of public services: drivers, mechanisms of citizens engagement and social inclusion
- **2018MFP-COFUND-52**: Preventive long-lasting effects of food bioactives on gastrointestinal tract under metabolic homeostatic challenges: aging