DC8 – Open Position

Position Description	
Reference	DC8
Project title	Developing machine learning for polymer systems
Recruiting Institution	BCAM, Basque Center for Applied Mathematics
Secondment	Short secondments in CINEMA academic and industrial partners are expected
Expected Start Date (estimated)	July 1st, 2023 (or earlier if possible)

Job Offer Description	
Keywords	Machine learning, polymers
Objectives	Develop regression and classification machine learning methods for systems involving missing/noisy data.
Expected Results	(i) Kernel selection methods in Gaussian process-based machine learning applications. (ii) Improvements in predictive capacity of machine learning models for the prediction of glass transition temperature from structure. (ii) New machine learning methods for weakly supervised classification of systems involving missing/noisy data labels such as in polymer solubility problems.
Supervisors	Prof. José A. Lozano

Vacancy requirements	
Qualifications	MSCA-recruiting rules are applied: not having resided in Spain for more than 12 months in the 3 years immediately before the recruitment date, and not having carried out their main activity (work, studies, etc.) in Spain during this period. Having a master degree or equivalent diploma, and not having a doctoral degree. Background in polymer materials is welcomed
Languages	Excellent command of written and spoken English is a must
Skills	Ability for research management, dissemination, communication with colleagues and supervisors, strong teamwork spirit, creativity and problem solving.
Experience	Research experience in the academic or industrial sector will be considered

Job Details	
Salary	Salary and benefits will follow the rules of the MSCA-DN, as foreseen in the Marie Skłodowska-Curie Actions Work Programme. Gross salary per month in Spain: (3400€ per month*CCC Spain (91,3%)) 3104,20€ + 600 € mobility allowance
Other benefits	Other benefits: Gross family allowance: 660€ per month - if applicable* *The family allowance will also be made available to researchers whose parental status changes during their project.
Duration	36 months
Type of contract	Full time
Place of work	Bilbao (Spain). BCAM