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DC5 – Open Position

Position Description	
Reference	DC5
Project title	Structure-property correlation over multiple process steps
Recruiting Institution	UCAM – University of Cambridge
Secondment	Short secondments in CINEMA academic and industrial partners are expected
Expected Start Date (estimated)	October 1 st , 2023 (or earlier if possible)

Job Offer Description	
Keywords	Machine learning
Objectives	To develop a fully predictive ML model linking monomer structure with polymer product' properties
Expected Results	(i) Datasets of molecules, descriptors and properties. (ii) MD descriptors and MD model. (iii) ML model that describes materials properties from initial reaction recipe.
Supervisors	Prof. Alexei Lapkin

Vacancy requirements	
Qualifications	MSCA-recruiting rules are applied: not having resided in the UK 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 the UK during this period. Having a master degree or equivalent diploma, and not having a doctoral degree. Solid background in polymer materials
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.



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	Gross salary per month in the UK: (3400€ per month*CCC UK (136,9%)) 4.654,60€ + 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	Cambridge (United Kingdom). University of Cambridge