

Horizon 2020 Marie Skłodowska-Curie Actions Individual Fellowships Call – Expression of Interest

Organisation Details	<i>Organisation Name</i> Dublin City University <i>(Faculty/School/Department/Centre name)- if applicable</i> <i>City, Country</i> Dublin/Ireland <i>Website</i> www.dcu.ie www.dcuwater.ie	
Organisation Type	<input checked="" type="checkbox"/> Academic <input type="checkbox"/> Large Enterprise <input type="checkbox"/> SME <input checked="" type="checkbox"/> Public Research Organisation	<input checked="" type="checkbox"/> Public Body <input type="checkbox"/> NGO <input checked="" type="checkbox"/> Non-Profit <input type="checkbox"/> Other (<i>please specify</i>) <hr/>
Research Field(s)	<input checked="" type="checkbox"/> Chemistry CHE <input type="checkbox"/> Social and Human Sciences SOC <input type="checkbox"/> Economic Sciences ECO <input type="checkbox"/> Information Science and Engineering ENG <input checked="" type="checkbox"/> Environment and Geosciences ENV <input checked="" type="checkbox"/> Life Sciences LIF <input type="checkbox"/> Mathematics MAT <input type="checkbox"/> Physics PHY	Keywords: Sensors, materials, water, biofouling,
Short Description of the Organisation and the Faculty/Dept./School/Centre	<p><i>Please provide a description of the organisation and if applicable, the faculty/department/school/centre that is seeking qualified applicants.</i></p> <p>Dublin City University is Ireland’s most innovative university and is consistently ranked among the top young universities globally, appearing in the QS Top 50 under 50, and Times Higher (THE) Top 100 under 50.</p>	
Short Description of the Research Project/Topic	<p><i>Please provide a short overview of the research area(s) that the applicant can develop a proposal in with the assistance of the organisation:</i></p> <p><i>The areas of interest relate to water monitoring technologies.</i></p> <p><i>Topic 1: Optical sensors for nutrients in waters i.e. centrifugal microfluidics or platform technology for measurement of eutrophying nutrients.</i></p>	

	<p><i>Topic 2: Biosensors for emerging contaminants such as pharmaceuticals; endocrine disruptors etc.</i></p> <p><i>Topic 3 The field of antifouling coatings for marine applications.</i></p> <p><i>Topic 4: Passive sampling as a novel monitoring tool and surrogate for biota monitoring.</i></p>
Expertise required by the applicant	<p><i>Please specify the research expertise that the applicant should have.</i></p> <p>Applicants should have a PhD (or more than 4 years of research experience) in a relevant area of optical sensor technology, analytical science, materials science or related field and demonstrate a promising track record of early achievements including several publications as main author in leading international peer-reviewed journals</p>
Career development support offered to fellows	<p>DCU runs a Researchers Development Programme, which includes many modules for the career and professional development of all researchers, including Project Management, The Academic Entrepreneur, Managing a Research Team, Professional Skills for Research Leaders, Intellectual Property and Commercialisation.</p>
Application procedure	<p><i>Please describe what documents (e.g. CV, letter of motivation) the applicant should supply to the host.</i></p> <p>1) A short CV</p> <p>2) A two-page research proposal</p> <p>3) A short statement with indication of why DCU and the relevant faculty/school/research centre would be the best host institution for your research project</p>
Contact Person	<p><i>Name and Email address of the person that interested applicants should contact.</i></p> <p>Dr Ecaterina McDonagh (Research Support Officer) ecaterina.mcdonagh@dcu.ie</p> <p>Prof. Fiona Regan, Director DCU Water Institute Fiona.regan@dcu.ie</p>

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