

The Marie Skłodowska-Curie Actions (MSCA) Doctoral Network 'Molecule-based magneto/electro/mechano-Calorics' (MolCal, molcal.eu) is looking for 10 talented and motivated **Doctoral Candidates (DCs)** with the skills, knowledge and enthusiasm to help the network make significant research breakthroughs.

OPEN POSITIONS

- DC1** [Synthesis of molecule-based magnetocaloric compounds](#)
University of Crete (EL)
- DC2** [Synthesis of electrocaloric and barocaloric materials, based on halide perovskite and metal-organic framework archetypes](#)
University of Crete (EL)
- DC3** [3D Printed liquid crystalline elastomeric elements with large mechanocaloric effect](#)
Spanish National Research Council (ES)
- DC4** [Synthesis of barocaloric spin crossover compounds](#)
University Paris-Saclay (FR)
- DC_{UK}1** [Barocaloric organic ionic plastic crystals and prototype development](#)
Sunamp Ltd (UK)
- DC_{UK}2** [Synthesis and characterisation of functionalized hybrid composites and molecule-based magnetocaloric materials](#)
The University of Edinburgh (UK)
- DC5** [Molecule-based magnetocaloric and multicaloric materials](#)
University of Seville (ES)
- DC6** [Calorimetry of molecule-based caloric materials](#)
Spanish National Research Council (ES)
- DC7** [Theoretical investigations of calorics under nonstandard conditions](#)
Bielefeld University (DE)
- DC8** [On-chip microrefrigeration with molecule-based magnetic refrigerants](#)
Italian National Research Council (IT)

APPLICATIONS OPEN FROM 19TH FEBRUARY UNTIL 21ST APRIL, 2024

Eligibility criteria of the Horizon Europe MSCA programme include:

PhD status: applicants must not already be in possession of a doctoral degree at the date of the recruitment.

Mobility rule: applicants must not have resided or carried out their main activity in the country of the host organisation for more than 12 months in the 3 years immediately before their recruitment date.

[Download](#) the Guide for Applicants.

Apply online at apply.molcal.eu.