# Solid-state batteries luxembourg city

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The RIDERS project is a 2.7 million EUR Marie Sk?odowska-Curie Doctoral Networks (DN) project funded by the European Commission, under the Horizon Europe program, and is coordinated by the University Claude Bernard Lyon 1. The project will address the development of cutting-edge battery technologies to contribute to the EU strategic energy independence. It will rely on the multidisciplinary expertise of 10 internationally renowned beneficiaries and 8 industrial partners (including 3 SMEs) originating from 12 European countries altogether.

RIDERS will provide to 10 doctoral candidates (DCs) a unique combination of advanced and transferable skills within an innovative, multidisciplinary and inter-sectoral scientific environment. A very attractive salary and benefits package is offered to successful applicants.

The RIDERS project has 10 DC positions available within 10 Recruiting Institutions:o University Claude Bernard Lyon 1 (UCBL), Lyon, FranceDC01 - Synthesis and scale-up processing of enhanced single ion polymer electrolytes for lithium metal batteries

o Grenoble Institute of Technology (GINP), Grenoble, FranceDC02 - Advanced characterization of interfacial reactivity and ionic charge transport in polymer electrolytes for LMP batteries

o Karlsruhe Institute of Technology (KIT), Karlsruhe, GermanyDC04 - Application of single-ion conducting polymer electrolytes in high-performance and scalable Li/S batteries

o Luxembourg Institute of Science and Technology (LIST), Belval, LuxembourgDC05 - Synthesis of single-ion conducting diblock copolymers combining soft ionic segments and high-performance aromatic blocks

o Polytechnic University of Turin (Polito), Turin, ItalyDC07 - Development and advanced electrochemical investigation of novel polymer electrolytes for solid-state Li Metal batteries

o Spanish National Research Council (CSIC), Barcelona, SpainDC09 - Synthesis-structure-performance correlations in Prussian Blue Analogues as positive electrode active materials for Na-ion batteries

o IFP Energies Nouvelles (IFPEN), Solaize, FranceDC10- High-throughput processing and biaxial stretching of functional polyolefins towards enhanced porous separators for Na-ion batteries

REQUIRED SKILLS: The candidate should have strong social abilities allowing an active participation to the European network, fruitful exchanges with other students and researchers, and an excellent integration in the team of the hiring research group. He/She should be ready and able to travel in Europe for the secondments,

training schools, workshops and network meetings.

To satisfy the eligibility requirements set for a Doctoral Candidate funded by the Marie Sk?odowska-Curie programme, the applicant must comply with the two following criteria:

DCs will also get access to funds covering Research, Networking and Training costs including tuition fees when applicable. They will be enrolled for PhD studies at institutions which are part of the consortium. Funding will cover the entire 36-month period. In addition to individual scientific projects, all fellows will benefit from further continuing education, which includes secondments, a variety of training modules as well as transferable skills courses and active participation in workshops and conferences.