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6 PhD positions in polymer chemistry and electrochemistry for future battery technologies within the European-funded Doctoral Network RIDERS

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| Grant agreement ID: | 101120432 | Call reference: | HORIZON-MSCA-2022-DN-01 |
| Start date: | 1 st March 2024 | Duration: | 48 months |

1. Identification

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| • ORGANISATION/COMPANY: | RIDERS — HORIZON-MSCA-2022-DN-01 Project nr. 101120432 |
| • RESEARCH FIELD: | Chemistry - Applied chemistry / Physical chemistry / Other Engineering – Materials engineering |
| • RESEARCHER PROFILE • APPLICATION DEADLINE | First Stage Researcher (R1) 31/10/2024 12:00 CET |
| • LOCATION • TYPE OF CONTRACT • JOB STATUS • HOURS PER WEEK • OFFER STARTING DATE • EU RESEARCH FRAMEWORK PROGRAMME | Multiple locations, see work locations below Temporary Full-time Full time 01/10/2024 Horizon Europe - Marie Skłodowska-Curie |

2. Presentation

The RIDERS project is a 2.7 million € Marie Skłodowska-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.

3. Open positions

The RIDERS project has 6 DC positions available within 6 Recruiting Institutions:

- **University Claude Bernard Lyon 1 (UCBL), Lyon, France**
DC01 - *Synthesis and scale-up processing of enhanced single ion polymer electrolytes for lithium metal batteries*
- **Grenoble Institute of Technology (GINP), Grenoble, France**
DC02 - *Advanced characterization of interfacial reactivity and ionic charge transport in polymer electrolytes for LMP batteries*
- **Uppsala University (UU), Uppsala, Sweden**
DC03 - *Multiscale modelling of ion transport and interfacial phenomena in Li-metal polymer batteries*
- **Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany**
DC04 - *Application of single-ion conducting polymer electrolytes in high-performance and scalable Li/S batteries*
- **Luxembourg Institute of Science and Technology (LIST), Belval, Luxembourg**
DC05 - *Synthesis of single-ion conducting diblock copolymers combining soft ionic segments and high-performance aromatic blocks*
- **Polytechnic University of Turin (Polito), Turin, Italy**
DC07 - *Development and advanced electrochemical investigation of novel polymer electrolytes for solid-state Li Metal batteries*

Please see our website for more information on each project and for general enquiries: (www.riders-dn.eu)

4. Benefits

Marie Skłodowska-Curie PhDs are typically paid a Living allowance of **3,400 € per month (including compulsory deductions under national law, such as employer social security contributions and direct taxes) or an equivalent gross salary and benefits**, adjusted for the hiring country, accompanied by an additional Mobility Allowance (600€), and, for researchers who have a family, a Family Allowance of 660 € per month. **All amounts are subject to employers and employees' deductions** and taxes, and the exact (net) salaries are dependent on local tax regulations and on the country correction factor (to account for the difference in cost of living in different EU Member States). **Gross salaries and benefits associated with each DC position are specified in the individual offers'** descriptions available in the application package to be downloaded on RIDERS website and will be confirmed upon appointment.

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.

5. Eligibility criteria

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

- The applicant recruited in a DN must be a **doctoral candidate** (i.e. **not already in possession of a doctoral degree at the date of the recruitment**).
- The applicant **should not have resided or carried out their main activity** (work, studies, etc.) in the country of the recruiting beneficiary **for more than 12 months in the 36 months immediately before the recruitment date** — unless as part of a compulsory national service or a procedure for obtaining refugee status under the Geneva Convention.’

6. Common requirements for all DCs positions

REQUIRED EDUCATION LEVEL

Master's Degree or equivalent

REQUIRED LANGUAGES

ENGLISH: Excellent

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.

Detailed requirements per open position are available on the Recruitment page of the RIDERS website (www.riders-dn.eu/recruitment/)

7. Selection criteria

The RIDERS recruitment process will be open, transparent, impartial and equitable in accordance with the provisions of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, and will ensure that no conflict of interest exists or arises from the recruitment. The selection of the applicants will be made on the basis of their scientific skills and the relevance of their research experience, the impact of the proposed training on their researcher's career and a fair gender representation.

8. Application process

The complete application package is available on the Recruitment page of the RIDERS website (www.riders-dn.eu/recruitment/)

9. Additional comments

The RIDERS project is committed to respecting the confidentiality of the information provided by the applicant: personal data collected for the purpose of the recruitment process will be processed for the sole purposes connected with and instrumental to the selection procedure and the preparation of the working contract if applicable. The complete Job Applicant Privacy Notice can be found on the Application form in the Application package available on the RIDERS website.