

Postdoc in chemistry: formulation of electrode materials for Li-ion batteries – Grenoble (FR), 2 years position

Are lithium batteries really sustainable? Indeed electrode materials are based on critical raw materials such as cobalt and nickel leading to important environmental footprints and geopolitical issues.

You will develop new electrode formulations and investigate innovative processes such as extrusion in order to avoid the use of organic solvent.

We propose to substitute transition metal based active materials with bio-based organic electroactive molecules and use green chemistry and innovative processes (aqueous formulation, dry process) to build more sustainable batteries with high electrochemical performances!

Working in our world-class battery platform, you will be integrated in a dynamic and pluridisciplinary team of recognized experts in energy storage such as electrochemistry, chemical processes, battery engineers. It will offer the opportunity to strengthen your skills or acquire new ones.

With your PhD in chemistry, you will bring your knowledge and skills in formulation (painting, coating, plastic industry) in order to develop greener battery.

In the heart of the Alps, an exceptional and internationally recognised [scientific ecosystem](#), in a city committed to the environmental transition "[Grenoble European Green Capital 2022](#)", CEA offers a position with right balance between private and professional life (50 days off/year) with some possibility of home office. At 3 hours from Paris and 30min from amazing mountains, you will benefit from an active Works Council for leisure and extra-professional activities. You will earn at least 40k€ gross salary.