



Research Scientist Job Description

A full/fixed term position is available at CB2tech Ltd for a Research Scientist to provide synthetic and electrochemical expertise to help develop next generation battery materials and technologies in Cambridge, UK.

Specific responsibilities

- Assist CB2tech's research and product developmental activities on battery materials
- Be responsible for maintaining the battery research facility and propagate good health and safety procedures
- Preparation of inorganic battery materials through solid state synthesis techniques
- Optimise electrochemical system for coin and pouch cell assembly
- Characterise, scale up and electrochemically evaluate targeted battery materials
- Communicate with key stakeholders, both orally and via reports
- Share key findings with the wider technical team and publish in scientific journals
- Engage with university and other industrial collaborators as part of joint R&D projects

Requirements

- A PhD or relevant technical experience in Chemistry, Materials Science, Engineering or Electrochemistry
- Experience of preparing inorganic metal oxides and lithium compounds by variety of techniques
- Experience of material characterisation using complementary techniques
- Experience of electrochemical evaluation, especially of battery materials
- Understanding of electrode and cell fabrication techniques
- Excellent communication skills, both verbal and written
- Ability to work to tight deadlines
- Demonstrated ability to work in teams
- Experience of battery material development and test cell assembly (anodes/ cathodes/electrolytes)
- Experience of working with air sensitive, unstable or pyrophoric compounds
- Familiarity with risk assessment, COSHH, HAZOP processes
- Experience of working in hazardous/complex environments, e.g. dry / explosive / particulate / vapour
- Proficient in MS Office packages including MS Excel
- Knowledge of statistical process/measurement control and validation
- Candidates with the ability to work in the UK are preferred

Application procedure: Applications will be accepted as PDF via email to jobs@cb2.tech. The email should include a motivation letter (1 page) and CV (2 pages) in one combined PDF attached to the message.

Closing date: 15 February 2020

Salary: Competitive and based on experience.

Location: Cambridge, United Kingdom

About CB2tech Limited

CB2tech is a spin out company from Prof Clare Grey's group at Cambridge University that is pioneering safe ultrafast charging battery technologies. The technology is a drop-in solution to existing manufacturing processes and offers fast charging while overcoming key challenges in safety and degradation of battery lifetime that plague other state of the art fast charging solutions.