

**Position: Graduate Scientist - Materials**

**Sector:** Science for the renewable energy / energy storage sector

**Location:** Chesterford Research Park, Cambridge, Saffron Walden, CB10

**Salary:** Negotiable but likely to be in the £25,000-£30,000 bracket and will be very much dependant on ability and experience

Superdielectrics Ltd set out in 2013 to develop biocompatible, electrically conducting hydrophilic polymers which had the potential to be used in Bioelectronics. During their research and development programme, they noted that their materials exhibited very unusual electrical properties. Following independent research by the Bristol University Electrochemistry group, it was found that when tested in devices with simple carbon electrodes, the devices were characterised by geometrical capacitances three or four orders of magnitude larger than the geometrical capacitances of carbon electrodes in conventional electrolyte solutions. It was determined that these outstanding electrochemical properties could be exploited in the development of high energy density supercapacitors.

Their goal now is to develop high energy density, low cost, low environmental impact electrical energy storage devices that will help create a clean and sustainable global energy and transportation system

As part of their continued development, they now have an opportunity for someone to join their team in the position of:

**Graduate Scientist - Materials**

This exciting position will see you working at the cutting edge of technology. The position is part of a wider team within a dynamic and creative research and development environment, with the goal of creating high energy density supercapacitors. The role will focus on electrode development, baselining understanding of the electrode, investigating different materials and integration of the structure into the final supercapacitor system.

**Key responsibilities**

- Work on the optimisation of the electrode structures
- Reliably and concisely carry out experimental matrix set by Senior Scientists
- Electrochemical measurements and analysis of the resulting data
- Present findings to technical and non-technical audiences within the company
- Large batch supercapacitor production and qualification

**We are happy to consider:**

People who have a BSc / MSc degree in Chemistry or Materials Science

**About You:**

- A minimum of a 2:1 degree level qualification (BSc / MSc) in Chemistry, Materials Science, or related field – this is **essential**.
- 0 – 2 years' experience of research and development within an industrial setting is preferred (though not required)
- Demonstrable experience of carrying out an experimental matrix, analysis of the data and presenting conclusions

- Able to keep accurate records and to compile reports for technical and non-technical stakeholders
- Team player with excellent communication skills
- Have a high regard for health and safety and for appropriate housekeeping
- Experience in working with energy storage devices or electrochemical testing is desirable (full training will be provided if not)
- Strong interest in renewable energy, green chemistry, or energy storage applications
- Excitement in the prospect of working within a fast-paced dynamic environment
- Flexible and adaptable

**What is on offer:**

- Basic salary from £25,000-£30,000 (negotiable according to ability and experience)
- Holidays 25 days plus statutory holidays
- Group life assurance policy – 4 x salary
- Pension Plan with 5 % employer contributions
- Perkbox
- Bike2Work salary sacrifice scheme
- Specsavers eyecare vouchers
- The Company intends to set up an ‘in service’ share option scheme subject to HMRC approval.
- The chance to be part of something truly special

**Please note**

You MUST already have the right to live and work in the UK. We are unable to offer any sponsorship or Visa support for these positions.

These roles are based at Chesterford Research Park, Cambridgeshire (near Saffron Walden) and due to the nature of the work will not offer the option of hybrid working or home working. Please make sure that you are able to get to the site on a daily basis as public transport is limited. To discuss this role in more detail, please contact our recruitment partner Chris Carter at Nicholas Associates Group in Sheffield.

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