



## **College of Life and Environmental Sciences**

### **Associate Research Fellow (Ref.R11244/P43482)**

#### **Project title: Characterisation of *Arabidopsis* myosin recruitment**

#### **Salary up to £30,122 dependent on experience and qualifications.**

The College wishes to recruit an Associate Research Fellow to support the work of Dr. Imogen Sparkes. This Biotechnology and Biological Sciences Research Council (BBSRC) funded post is available immediately and no later than 1<sup>st</sup> October 2012 for a fixed term period of 30 months (2.5 years).

The successful applicant will focus on organelle motility in higher plants, an extremely dynamic and complex process dependent on actin and myosin. Whilst organelle movement plays an essential role in development, defence and in response to external cues, the role and recruitment of specific myosins is far from understood. For an overview on plant myosins see Sparkes Mol. Plant 4: 805-812 (2011) and Biochem. Soc. Trans. 38:833-838 (2010).

The post will include construction of expression vectors for plant-cell transformation, live cell imaging (confocal / spinning disc microscopy), analysis of organelle dynamics using software such as Imaris and ImageJ, isolating and characterising novel myosin interactors using techniques such as FRET, yeast 2 hybrid and co-immunoprecipitation. The successful applicant will be able to present information on research progress and outcomes, communicate complex information, orally, in writing and electronically and prepare proposals and applications to external bodies.

Applicants will possess a relevant PhD in cell / molecular biology or a relevant subject, preferably with a background in plant cell biology. You should be able to demonstrate sufficient knowledge in the discipline and of research methods and techniques to work within established research programmes as detailed above. Applicants will be confident, highly motivated, independent scientists and would be expected to be capable of preparing data for publication and assist in training of graduate students.

For further information please contact Dr. Imogen Sparkes, e-mail [I.Sparkes@exeter.ac.uk](mailto:I.Sparkes@exeter.ac.uk) or telephone +44 (0)1392 723454.

The closing date for completed applications is **12 noon (GMT) 13<sup>th</sup> June**. Interviews are expected to take place on 22<sup>nd</sup> June.

The University of Exeter is an equal opportunity employer which is 'Positive About Disabled People': if you have a disability, you should mention this in your application. Whilst all applicants will be judged on merit alone, we particularly welcome applications from groups currently underrepresented in the workforce.

#### **HOW TO APPLY FOR THIS POSITION:**

**Please send your CV, covering letter and the details of three referees to Dr. Imogen Sparkes, [I.Sparkes@exeter.ac.uk](mailto:I.Sparkes@exeter.ac.uk) quoting the reference number R11244/P43482 in any correspondence.**