The Role: Durham University is seeking an Energy Research Fellow (ERF) to carry out research activities based in the Department of Physics and Chemistry under the supervision of Prof Andy Monkman and Asst Prof Paul McGonigal. Their responsibilities will include the detailed photophysical analysis of organic electroactive materials, making use of single photon counting, pump–probe spectroscopy, and femtosecond measurements. It is expected that they will work collaboratively between research groups in Physics and Chemistry, as well as other ERFs in Chemistry and Engineering, to design new materials and prepare devices.

Fellowship Tenure: 6 months  Start Date: 1 June 2018 or earlier

The Institution: Durham University is one of the world’s top universities with strengths across the Arts and Humanities, Sciences and Social Sciences. We are home to some of the most talented scholars and researchers from around the world who are tackling global issues and making a difference to people’s lives. The University sits in a beautiful historic city where it shares ownership of a UNESCO World Heritage Site with Durham Cathedral, the greatest Romanesque building in Western Europe. A collegiate University, Durham recruits outstanding students and early career researchers from across the world, offering an unmatched wider student and staff experience. The University has an internationally leading role in Energy Research, which it has developed by investing in the Durham Energy Institute (DEI) as one of its eight strategic interdisciplinary research institutes. Through the Rutherford ERF programme, the University aims to enhance its international reach and reputation by partnering with the best institutions in countries that have (i) identified energy as a high national priority, (ii) are building scientific expertise in energy research, and (iii) that are themselves devoting funding and resources to establishing energy partnerships.

Context: The Rutherford Energy Research Fellowship Programme at Durham University, managed via the Durham Energy Institute (DEI), draws high-quality early career postdoctoral researchers from partner countries and institutions recognised by the DAC as ODA recipients to the United Kingdom to push the boundaries of organic energy materials for storage, generation, and transmission alongside experts in Chemistry, Physics and Engineering. The 2018 Programme will recruit Fellows from India, Mexico and Malaysia for Fellowships in the Areas of (1) synthetic redox-active molecular materials, (2) synthetic redox-active assemblies and macromolecular systems, (3) advanced physical spectroscopy and microscopy of organic energy materials, and (4) organic energy devices.

Requirements: Applicants must hold a PhD in a relevant subject and be fluent in English. They are expected to have experience in conducting high quality academic research, evidenced by a strong publication track record. Expertise in advanced photophysical analyses is essential, with a background in fluorescence spectroscopy, single photon counting, pump–probe techniques, and/or femtosecond measurements being highly desirable. ERFs will keep comprehensive, accessible, secure records of experimental work, data and analyses and assist PhD students and other colleagues in the delivery of project objectives and problem-solving. Professional development, career services, and pastoral support will be provided through the Host Department, DEI, Researcher Development Programme (via CAROD), Immigration Office and Ustinov College at Durham University. ERFs will be expected to deliver research excellence in the form of high-impact publication outputs, intellectual property, conference dissemination and engagement.
**Stipend**: £2000 per month, for 6 months

**Benefits include, but are not limited to**: Expenses to cover visa fees and round-trip airfare from/to home country; £5,000 research funding to cover consumables, small equipment, and research-related conference, travel, accommodation and subsistence costs; Membership to Ustinov College; Access to University accommodation (at standard rooming fees); Membership to the Durham Energy Institute; Free access to resources within the Research Development Programme at Durham.

**How to Apply**: Interested applicants should send a cover letter, CV, and PDFs of two of their most relevant publications to both a.p.monkman@durham.ac.uk and paul.mcgonigal@durham.ac.uk. The message should be sent with ‘Rutherford ERF Application’ as the subject line. All enquiries will be treated in the strictest confidence.

**Application Deadline**: Wednesday, February 28, 2018.

**Indicative Timeline**: Shortlisted candidates will be informed by March 7 and should be available for a conference call interview during the week commencing March 12. The selection process will be completed by March 20.

**Position Reference**: Durham–Rutherford Energy Research Fellowship

**Appointment**: ERF Area 3, Department of Physics, Durham University