

THE UNIVERSITY OF MANCHESTER
PARTICULARS OF APPOINTMENT
FACULTY OF SCIENCE & ENGINEERING
SCHOOL OF NATURAL SCIENCES
DIVISION OF DEPARTMENT OF CHEMISTRY
RESEARCH ASSOCIATE IN POLYMER MECHANOCHEMISTRY
VACANCY REF: SAE-022635

Salary:	Grade 6 £35,308-£43,155 per annum, depending on relevant experience
Hours:	Full time
Duration:	Fixed term for 24 months
Location:	Oxford Road, Manchester

Enquiries about the vacancy, shortlisting and interviews:

Manager Guillaume De Bo

Email: guillaume.debo@manchester.ac.uk

BACKGROUND

Postdoctoral Research Associate in Polymer Mechanochemistry

A postdoctoral Research Associate position is available for an outstanding and ambitious synthetic chemist to undertake research in the group of Dr Guillaume De Bo. This project, funded by UKRI, aims at developing and investigating new mechanoresponsive molecular devices. For further information about the research group see webpage www.deboresearchgroup.com.

You should have a PhD in polymer mechanochemistry or equivalent. You should be capable of working independently and as part of a research team, and to collaborate with researchers outside your field, so excellent communication and organisational skills are also required.

Key responsibilities, accountabilities or duties

The range of duties will include:

- Conduct research alone and on a collective basis with responsibility for delivering on the core elements of the research project. ^[1]_[SEP]
- Contribute as a key member of a team of researchers through input to strategic research

- planning and management. [SEP]
- Acting as a source of information and advice to other members of the group
 - Take a lead role in writing up data for publication and/or patent applications. [SEP]
 - Maintain accurate and up-to-date records to document the research progress. [SEP]
 - Present data at group meetings and conferences and make data available for other workers.
 - Regular reporting of progress to Professor De Bo, other members of the research team and collaborators is expected. [SEP]
 - Present research findings at national and international level. [SEP]

PERSON SPECIFICATION

Essential

- You should have, or work toward, a PhD(or equivalent) in polymer mechanochemistry
- Expertise in the synthesis and study of mechanophores
- Expertise in the synthesis and characterisation of interlocked molecules
- Experience in the study of rotaxane-based actuators for the activation of mechanophores.
- Ability to work independently and as part of a research team [SEP]
- Ability to communicate complex information clearly, both orally and in writing [SEP]
- Ability to communicate/collaborate with researchers from different fields.
- Experience of preparing manuscripts for publication in research journals