EPSRC Industrial CASE PhD Studentship in Protein NMR Spectroscopy

Dr Ann Dixon

**PhD project:** Probing antibody/epitope interactions using NMR spectroscopy

**Supervisors:** Dr Ann Dixon

**Project description:**

A CASE studentship sponsored by Mologic Inc. is available at the University of Warwick to start in October 2014. This joint industrially-funded studentship provides full support for tuition fees, associated research costs and an annual starting stipend of approximately £13,700. The studentship is open to UK/EU nationals only due to funding restrictions.

You will work in the research group of Dr. Ann Dixon, based in the chemical biology research facility [http://www2.warwick.ac.uk/fac/sci/chemistry/research/dixon](http://www2.warwick.ac.uk/fac/sci/chemistry/research/dixon) in Warwick’s Chemistry Department, on the investigation of antibody-epitope interactions of great medical interest. Atomic-resolution structural data as well as affinity data will be obtained using solution-state NMR spectroscopy, as well as a host of other biophysical, molecular biology, and protein expression/purification techniques. The successful candidate will be expected to produce and communicate regular progress reports to the industrial collaborators at Mologic over the course of the PhD. There is also opportunity for the student to spend a period of time on industrial placement at Mologic’s labs in Bedfordshire.

**Requirements:**

Applicants should have, or expect to obtain, a minimum upper-second honours degree (or equivalent, Masters preferred) in chemistry, biological chemistry (biochemistry) or a related discipline. Applications are also welcomed from researchers with previous experience in protein NMR, biochemistry/molecular biology or biological chemistry.

**How to apply:**

Details of how to apply are available at [http://www.go.warwick.ac.uk/chem-phd](http://www.go.warwick.ac.uk/chem-phd)

Before applying, please make informal inquiries to Dr. Ann Dixon (ann.dixon@warwick.ac.uk). Informal enquiries should include a CV and personal statement.

Deadline for applications is Feb. 21, 2014