

**A PhD position is available at the Institute of Inorganic Chemistry, University of Leipzig (Germany), within the newly established EU-ITN network for Sustainable Phosphorus Chemistry (SusPhos)**

- \* Project number: 317404.
- \* Project title: Call identifier: FP7-PEOPLE-2012-ITN.
- \* Funding scheme: Marie Curie Actions — Initial Training Networks (ITN).

We are looking for an enthusiastic candidate for a PhD position in the field of Organometallic and Inorganic Chemistry, starting from February/March 2013. The project is concerned with the developments of novel phosphorus-based catalysts and their immobilisation. Experience in synthetic organic and inorganic chemistry is advantageous. The successful applicant should also have experience with FT-IR, NMR, X-ray crystallography and GC-MS.

### **Tasks**

The research project deals with the synthesis and immobilisation of phosphines (e.g. on graphite, gold, silica, etc.) and their use in stoichiometric and catalytic reactions to reduce P-containing waste in these processes. A research stay at the University of St Andrews (with Prof. Paul Kamer) and collaboration with our industrial partners in SusPhos is also included. Other collaborations inside the network and participation in network activities (training schools, training modules, etc.) will also contribute to training the candidate in an international environment improving his/her scientific knowledge.

### **Requirements**

The candidate, recruited as Early Stage Researcher (ESR), should have an excellent master or diploma degree (or equivalent) in chemistry. Experience with the handling of air- and moisture-sensitive compounds (Schlenk techniques) is advantageous.

The candidate will have to meet the following eligibility conditions in order to be recruited:

- He/she can be of any nationality.
- At the time of recruitment by University of Leipzig (February/March) he/she will have to be in the first four years of his/her research career and not yet have been awarded a doctoral degree. This is measured from the date when he/she obtained the degree which would formally entitle him/her to start a doctorate.
- At the time of recruitment by University of Leipzig, he/she must not have resided or carried out his/her main activity (work, studies, etc) in Germany for more than 12 months in the 3 years immediately prior to the reference date.

**Benefits:** Salary per year: € 43,987 (single) or € 47,400 (with family) includes living allowance and the mobility allowance as stipulated by the EU. Social security, taxes etc. will be deducted. For more information about Marie Curie Actions, please visit: <http://ec.europa.eu/research/mariecurieactions/>.

### **Applications**

Please send your full application (curriculum vitae, motivation letter, copies of university certificates, two letters of recommendation, and certificate of knowledge of English) to:

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