

## **Job Offer for Post-doc position at Faculty of Chemistry, A. Mickiewicz University, in Project Opus 11**

**Institution:** Faculty of Chemistry, Adam Mickiewicz University in Poznań

**Position name:** Post-doc in the project OPUS 11: "Rational design of molecular nanomagnets: synthesis, characterization, theoretical description and computational modeling of their properties"

**Duration:** 6 months

**Salary:** 5400 PLN/month (gross)

**Principal investigator:** Prof. Czesław Rudowicz

### **Requirements:**

1. Substantial knowledge in the domain of supramolecular coordination chemistry, in particular with regard to synthesis and characterization of metallo-architectures of Schiff base ligands with transition metal ions (3d/4f) of potential MNM behavior.
2. Ability to carry out: (i) syntheses of coordination architectures via subcomponent self-assembly, direct and 'complex as ligand' approaches; (ii) isolation of planned ligands and their coordination architectures followed by characterization of products both in the solid state (elementary analysis, IR, XRD) as well as in the solution (FAB-MS, ESI-MS, NMR); (iii) crystallization of above mentioned.
3. Other qualifications required:
  - recent PhD degree, preferably in the field of coordination/supramolecular chemistry;
  - demonstrated experience in both organic and inorganic coordination chemistry;
  - high records of publications in internationally refereed scientific journals;
  - proficiency in English is a must, whereas in Polish would be an advantage;
  - at least 6 months long internship at foreign research center.

### **Scope of work within project tasks:**

Development of synthetic procedures for novel metallo-supramolecular coordination architectures of Schiff base ligands with transition metal ions (3d/4f) of potential SMM behavior. Isolation and characterization of planned ligands and their coordination architectures both in the solid state (elementary analysis, IR, XRD) as well as in the solution (FAB-MS, ESI-MS, NMR). Individual literature searches. Active participation in studies related to complementary components of the project and preparation of publications.

### **Additional information:**

- Application containing: motivation letter, CV (including photo), publication list (if any), copy of diploma, contact details of 2-4 potential referees, should be sent as a single pdf-file or zip-file. Please include in your application one page with the following phrase: "In accordance with the Personal Data Protection Act from 29 August 1997, I hereby agree to process and to store my personal data by the Adam Mickiewicz University in Poznań for recruitment purposes".
- Selected candidates will be invited for the interview – the date will be communicated to the candidates individually.

**Send applications by email to:** ala\_zal@wp.pl **with copy to:** czerud@amu.edu.pl and violapat@amu.edu.pl. The e-mail heading should be: "Post-doc #3 – OPUS grant".

**Application deadline:** 21.03.2017 or until the position is filled.

**For more information contact:** Prof. Czesław Rudowicz by email: czerud@amu.edu.pl.