

The Vinca Institute, University of Belgrade, Serbia, announces the open **Senior Scientist position** for the MagBioVin project funded by the grant of 2.4 million EUR within the FP7-ERACHairs-Pilot Call-2013 programme. Through the MagBioVin project the Vinca Institute receives important EC support to upgrade its human and experimental capacities for the highly specialized research on activated magnetic nanoparticles (MNP) and radionuclide labeled magnetic nanoparticles for application in biosciences, pharmacy and medicine. The prospective candidate has to be an internationally renewed researcher with a proven track record in high quality research on the **synthesis and characterization of nanoparticles, and their application in magnetic hyperthermia.**

### **Job Description**

The Vinca Institute ([www.vinca.rs](http://www.vinca.rs)) is the largest R&D institute in Serbia with ca. 800 employees (ca. 300 PhDs) and with 67 years of tradition in cultivating multidisciplinary researches comprehending physics, chemistry, biology, material sciences, medicine, computer sciences, etc. The MagBioVin Project is aimed at upgrading the Institute's human and materials capacities for the highly specialized multidisciplinary research on activated magnetic nanoparticles (MNP) and radionuclide labeled magnetic nanoparticles for application in biosciences, pharmacy and medicine.

The Senior Scientist position foresees a one-year full-time engagement with the possible extension up to two years. The position comprehends following responsibilities:

- Leadership in the upgrade of the knowledge and skills (up to the expert level) regarding synthesis of biocompatible magnetic nanoparticles/ferrofluids in respect to composition, size distribution and colloidal stability;
- Research on nanomaterials of interest that are based on 3d and rare-earths oxides in nanocrystalline form as well as stabilized ferrofluids for application in magnetic hyperthermia;
- Collaborative research work in the multidisciplinary environment;
- Preparation of new project proposals for future European and regional calls;
- Dissemination of results through publications in high-ranked scientific journals , conference contributions, workshops, and promotional activities for project stakeholders.

### **Required background and qualifications**

The candidate must be an internationally renewed researcher (of at least category R3 in the European Framework for research careers [http://ec.europa.eu/euraxess/pdf/research\\_policies/Towards\\_a\\_European\\_Framework\\_for\\_Research\\_Careers\\_final.pdf](http://ec.europa.eu/euraxess/pdf/research_policies/Towards_a_European_Framework_for_Research_Careers_final.pdf) ) in one of the following fields: condensed matter physics, physical chemistry, colloidal chemistry, or biochemistry. Closely related fields can be also considered. The advantage will be a proven experience in management and leadership in multi-disciplinary working environment. Fluent knowledge in English is mandatory.

### **Application procedure**

Submitted application must include:

- Motivation letter
- Curriculum Vitae with:
  - Professional and education profile;
  - List of publications (in reverse order, from more recent to older references);
  - List of research projects, separately as a participant and as a project leader;
  - List of teaching/supervising activities;

- Language skills.

Applications will be accepted until the position is filled; in order to secure the full consideration applications must be received until June 20, 2017.

Application may be sent to ERA Chair holder Dr Zeljko Prijovic, e-mail: [zprijovic@vin.bg.ac.rs](mailto:zprijovic@vin.bg.ac.rs) and to project coordinator, Dr Bratislav Antic, e-mail: [bantic@vin.bg.ac.rs](mailto:bantic@vin.bg.ac.rs).

Deadline for application: June 20, 2017

Nr. of positions available: 1.

### **Selection procedure**

Applications that comply with the above quoted criteria will be evaluated by the panel consisting of the ERA Chair, Project Coordinator, and two WP leaders from the field of interest. The most qualified candidates will be interviewed by phone or video conferencing by panel members. In exceptional cases an interview in the Vinca Institute might be organized.

### **Benefits**

The selected candidate will be offered the following:

- A one-year full-time engagement with the possible extension up to the end of the Project (till May 2019);
- Internationally competitive salary up to 2800 EUR/month (net) depending on the candidate's qualifications and experience;
- Health insurance;
- Funds for mobility to partner institutions from EU, and for dissemination and promotion activities;
- Funds for equipment maintenance and consumables planned for the Project;
- Access to existing state-of-the-art research facilities at the Vinca Institute and partner institutions from EU.