



The Strategic Initiative

“Functional Magnetic Materials for Biomedical and Energy Relevant Applications”

At the **Immanuel Kant Baltic Federal University** offers:

Up to 20 post doctoral positions (based on the availability of funds)

(Monthly Salary: up to 135.000 Rubels depending on level of experience)

Start: August 1, 2016

The Strategic Initiative “*Functional Magnetic Materials for biomedical and energy relevant applications*” is a new, coordinated research initiative which includes a PhD program at the Immanuel Kant Baltic Federal University and partner universities. The Initiative (for details see <http://eng.kantiana.ru/5-100/unit/>) aims at establishing a world-class research environment until 2020. It is devoted – but not limited to - to the theoretical and experimental understanding of functionalized magnetic nanomaterials – ranging from nano-hybrids for biomedical technology to innovative materials for energy applications, e.g. magnetic refrigeration and modern spintronics. Analytical methods – including synchrotron based characterization techniques -, numerical simulations and film/nanoparticles synthesis aspects will play a dominant role. Funds for traveling to international conferences and for visits to foreign universities are provided. Successful candidates will work closely in a team comprised of experimental chemists, physicists and materials scientists as well as theorists.

Application deadline: The positions are available immediately, and will remain open until filled.

Application requirements:

The appointments are initially for 6 months, with possibility for another 2 plus 2 years extension pending progress and availability of funds. The application requires an above-average track record. The following documents (all in English) should be send by email as PDF.

- a copy of your university degrees (certified translation into English)
- a curriculum vitae with specific information about your scientific expertise, publication and grant acquisition record.
- a two page *research proposal* which gives reason to expect excellent research results.
- contact information (phone , email) of at least two university teachers as reference.
- candidates must give proof of their advanced language skills in English.

Contact: Prof. Dr. Michael Farle (send application to, KPrasolova@kantiana.ru , ref: FunMagMa-Postdoc)