

## Two post-doctoral positions in Laboratory of Bioorganic Chemistry

The laboratory of Professor Jacek Jemielity at the University of Warsaw seeks to fill two postdoctoral research positions to investigate new therapeutic applications of modified mRNAs or inhibition of nucleotide-processing enzymes of therapeutic relevance by small molecules as a part of two ongoing interdisciplinary research projects.

**Position 1: A two-year post-doctoral position** funded by a grant of the National Centre of Research and Development (Poland; STRATEGMED program) coordinated by Prof. Jacek Jemielity, is available from **February 2015** at the Centre of New Technologies, University of Warsaw.

**Position 2: A two-year post-doctoral position** funded by a grant of the National Centre of Research and Development (Poland) coordinated by Dr Joanna Kowalska, is available from **February 2015** at the Division of Biophysics, Faculty of Physics, University of Warsaw.

### Ideal candidate profiles:

#### Biochemist/molecular biologist

The position will involve interdisciplinary research directed at reprogramming mesenchymal stem cells by chemically modified mRNAs. The successful candidate will have a PhD in molecular biology, biochemistry or related area with experience in protein expression and purification, enzymology, RNA transcription, RNA transfection and translation in cell lysates and cell cultures. Skills in studying protein-ligand or RNA-ligand interactions by biophysical methods and experience in bioorganic/medicinal chemistry will also be appreciated.

#### Bioorganic/medicinal chemist

The position will involve interdisciplinary research directed at the design, synthesis and studying properties of small-molecule inhibitors of selected nucleotide and nucleic acid-processing enzymes. The position requires a Ph.D. in the area of organic or bioorganic chemistry or related area. The successful candidate will have experience in multi-step organic synthesis and bioorganic/medicinal chemistry. Skills in enzymatic assays, studying protein-ligand interaction by biophysical methods, and experience in molecular biology will also be appreciated.

Applications should be submitted by e-mail to Prof. Jacek Jemielity and Dr. Joanna Kowalska ([jacekj@biogeo.uw.edu.pl](mailto:jacekj@biogeo.uw.edu.pl), [asia@biogeo.uw.edu.pl](mailto:asia@biogeo.uw.edu.pl)) and should include a cover letter, curriculum vitae including a description of prior research experience, a list of publications, and contact reference list. Following a screening of the initial applications, selected candidates will be contacted by e-mail for further recruitment steps.