



Biomolecular
Machines
Laboratory



Biomolecular Machines Laboratory

Interdisciplinary Centre for Mathematical and Computational Modelling, University of Warsaw

is looking for enthusiastic researchers to work on a new project:

“Antisense peptide nucleic acids as inhibitors of bacterial translation”

The main goal of this project is to apply both computational and experimental techniques to design specific nucleic acid derivatives that will target the ribosomal RNA and inhibit bacterial translation. The research is funded as a TEAM project within the Innovative Economy Operational Programme. For more information see <http://bionano.icm.edu.pl>. Starting Nov 1, 2010 we are looking for a:

Post-doc in experimental and/or theoretical biophysics:

- with background in biochemistry of proteins and nucleic acids willing to work with RNA (knowledge of spectroscopy such as fluorescence, absorbance, and circular dichroism measurements will be beneficial), **or**
- with background in computational modeling of biological systems and experience in drug design techniques (programming skills, familiarity with common modeling packages, experience with high-performance computing and the ability to work independently are desirable),
- with PhD degree in physical or life sciences obtained between Nov 1, 2006 and Oct 31, 2010,

We offer:

- initial appointment for one year (renewable for up to three years),
- net monthly income about 6000 PLN + benefits, where 5000 PLN is a fellowship (not subject to income tax),
- work in a group of scientists whose research bridges the fields of physics, mathematics and life sciences,
- collaborative opportunities with research groups at University of California, San Diego, University of Virginia, Charlottesville, and NEST, Scuola Normale Superiore, Pisa.

To apply:

- If you are interested in joining the group please send your CV and a cover letter (preferred format is PDF) to Joanna Trylska joanna@icm.edu.pl.
- Applications (in English) should contain a record of scientific career and achievements (research experience, and if applicable, participation in conferences, list of publications, cumulative average grade in %, as well as the names of two scientists willing to issue recommendation letters).
- Selected candidates will be asked to provide two reference letters and a copy of university degree. Top candidates will be invited for an interview (or a conference-call) and asked to present documents confirming their grades and degrees. Good command of English is a must.
- Applications will be accepted until **September 15th, 2010**.



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