Institute of Biochemistry and Biophysics
Polish Academy of Sciences

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A PhD student position in computational biology available from January, 2018 in the project founded by National Science Centre entitled *Analysis of selected processes influencing the architecture of fungal genomes and proteomes* lead by Anna Muszewska.

The main idea of the project is to explore how lifestyle and genome characteristics correlate with the abundance of horizontally transferred genes and transposons. We will collect all sequenced fungal genomes and extract their characteristic features, predict transposons, gene clusters and horizontally transferred genes. We will also tag those organisms with lifestyle (for example: pathogen, soil inhabiting). Such extensive dataset spanning multiple features for each organism will be analysed with statistical tools. The project's outcome might shed new light on how we understand the relationship between organism's lifestyle and genome organisation.

Requirements
The successful applicant should:

- hold MSc degree (or equivalent) in Biology, Computer Science, Biotechnology, Bioinformatics or will be close to obtain it (no later than December 2017);
- join the School of Molecular Biology at our Institute;
- have fluency in spoken and written English;
- have basic bioinformatic skills, Linux, phylogenetic methods
- be enthusiastic about nature, ecology, evolution and problem solving
- be well organized, eager to learn and ready to assimilate literature

Our offer

- Participation in courses and conferences;
- Three years stipend (3000 PLN net per month);
- Starting from January, 2018.

The application must include

- Curriculum vitae,
- Motivation letter,
- At least one recommendation letter and contact details of the referee/s,
- A list of publications and/or communications (if applicable).

Applications with a "*PhD applicant - NCN*" tag are welcome at ania.muszewska@gmail.com,
Deadline: 18. 12. 2017
Interview: 20. 12. 2017 at IBB PAS

Selected applicants will be invited for an interview and asked to present their work.

All applications must contain the following statement to allow us process your data: "I hereby give consent for my personal data included in the job offer to be processed for the purposed recruitment under the Data Protection Act 1997 (Dz. U. 2002 no. 101, item 926 with subs. changes)."