



## PhD scholarship opportunity

We are seeking a highly motivated PhD student with background in biology, biotechnology, or related field to work on deciphering of biochemical signalling in breast cancer. We aim to deploy an interdisciplinary approach that integrates theory with experiments to understand how breast cancer cells evade immune system to proliferate and metastasize. Specifically, we will examine how aberrations within the JAK-STAT pathways, one of the core cancer pathways, lead to changes in expression patterns of PDI-1 and MHC I complexes in breast cancer. The project is funded by the National Science Centre under the program OPUS and led by dr Michał Komorowski.

### Responsibilities

- design of experiments
- performing quantitative high-throughput experiments using confocal imaging and other cutting edge techniques
- simultaneous handling of multiple cell lines
- collaboration with quantitative scientists
- data analysis

### Expected qualifications

- high motivation for scientific work at the interface between cell biology and mathematical modelling
- MSc in biology, biotechnology or related field
- experience in laboratory work
- fluent english
- ability to work in a team

### We offer

- exciting research tasks
- support in developing programming / data analysis skills
- PhD studentship of 3000 - 4000 PLN (depending on qualifications) per month for 3 years
- participation in international conferences and workshops
- international collaborations
- support in application for additional funding and scholarships
- highly creative, innovative and friendly work environment

### How to apply?

Email CV including MSc track record, a letter of motivation and two contacts for references.

**Contact:** Dr Michał Komorowski ([m.komorowski@sysbiosig.org](mailto:m.komorowski@sysbiosig.org))

**Deadline:** until position is filled

**Further information:** <http://www.sysbiosig.org/>