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**BASTION - FROM BASIC TO
TRANSLATIONAL RESEARCH
IN ONCOLOGY**

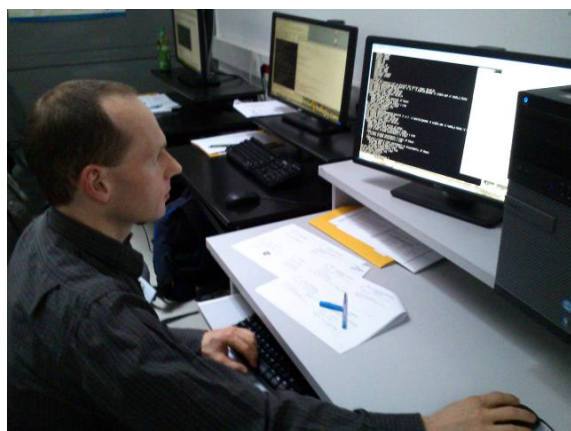
**Report on Next Generation Sequencing bioinformatics trainings
of Mr Slawomir Gruca within the 7PR21/BASTION/WP2**

Between the 26th and 28th of September 2014, Slawomir Gruca participated in two bioinformatics trainings on NGS data retrieval, processing and analysis: “Bioinformatics fundamentals of Next Generation Sequencing” and “NGS in the regulation of genes”. The trainings were organized by the “Ideas for Biology, Izabela Makałowska, Michał Szcześniak s.c.” company (ideas4biology.com) and took place on the campus of the Adam Mickiewicz University (AMU) in Poznań, Poland.



**Mr Slawomir Gruca in front of the AMU's building
where the training was held**

The Next Generation Sequencing has become one of the pivotal high-throughput tools of contemporary biological research. It is a technology that can be applied in research of many areas of genetics and cell biology. Indeed, NGS has been replacing older technologies that often are less flexible, less accurate and more expensive. Therefore, expertise in NGS data processing and analysis is crucial for a bioinformatician.



**Mr Slawomir Gruca
in the computer laboratory during the training**

The trainings were comprehensive - they covered wide range of topics of Next Generation Sequencing, in the areas of data retrieval, processing and analysis. Among subjects covered, the most important were: mapping of reads, analysis of data from RNA-Seq, ChIP-seq, CLIP-seq and small-RNA experiments, NGS file formats and databases, stand-alone and on-line NGS related tools.

The scope of the taught material and the organization of courses were very good. Last but not least, the trainings brought together scientists from multiple Polish universities and provided an opportunity to discuss various topics related to high throughput technologies.

CERTYFIKAT

Zaświadcza się, że

Pan Sławomir Gruca

ukończył kurs pod tytułem

**Bioinformatyczne podstawy
sekwencjonowania nowej generacji**

Koordinator kursu
Michał Szcześniak
dr Michał Szcześniak

Poznań, dnia 26 września 2014 r.



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Pan Sławomir Gruca

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NGS w badaniach regulacji genów

Koordinator kursu
Michał Szcześniak
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**The “Bioinformatics fundamentals
of Next Generation Sequencing”
Sławomir Gruca’s course completion certificate**

**The “NGS in the regulation of genes”
Sławomir Gruca’s course completion certificate**