



## **Karel Sedlar**

I am at the beginning of my professional career; therefore my work history is rather short. I am currently enrolled as a PhD student at Department of Biomedical Engineering, Brno University of Technology, where I have been simultaneously employed as a bioinformatician for over 3 years. I have obtained my first master's degree in Biomedical Engineering and Bioinformatics with honors at Faculty of Electrical Engineering, Brno University of Technology (BUT) and my second master's degree in Applied Informatics at Faculty of Informatics, Masaryk University. During my current PhD studies I was awarded by BUT rector for my scientific results. In 2016, I won International Falling Walls Lab held in Prague and attended the Falling Walls Lab Finale held in Berlin. My research interests are closely associated with the field of bioinformatics. Not only do my interests lie in designing novel bioinformatic tools for processing of sequencing data in genomics, metagenomics, and biotechnology, but I also cooperate with a range of microbiologists and biotechnologists by processing of their data using currently available tools. My special interests lie in genome mining of *Clostridium beijerinckii* NRRL B-598, a promising butanol producer that we study in cooperation with colleagues from UCT Prague.