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Dr. Sedlar is a researcher in the Department of Biomedical Engineering at the Brno University of Technology. He received two M.Sc. in 2013 and 2015 at Faculty of Electrical Engineering and Communication, Brno University of Technology (BUT) and Faculty of Informatics, Masaryk University, respectively. In 2018, he received Ph.D. in Biomedical Technologies and Bioinformatics from the Department of Biomedical Engineering, BUT. Before taking his current position as the head of Functional Genomics & Systems Biology Lab at the department, he spent a postdoctoral stay in the Prof. Zimmer's group in the Institute for Informatics at the Ludwig Maximilian University of Munich, Germany. Dr. Sedlar's group focuses on the use of computational systems modeling and high-throughput data analysis to improve our understanding of mechanisms and dynamics of complex biological networks that govern microbial production of biofuels. In light of this, the group aims attention at developing methods and computational tools that would bring novel ways of genomic, transcriptomic and epigenetic data evaluation and push forward our knowledge of non-model organisms.