



Academy and University Center Nové Hradý

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POSUDEK ŠKOLITELE - SUPERVISOR'S RECOMMENDATION

Nové Hradý, September 7, 2018

To Whom it may concern

Pavel Grinkevich was working on his PhD thesis under my supervision on the on the structure-function relationship of the multimeric type I restriction-modification system EcoR124I. The principal aim of his project was the structural characterization of the earlier “missing part” of the motor-subunit of these enzymes, a part that turned out to fold into an individual domain, the fifth domain, and to elucidating the role of this novel domains during translocation or restriction or in interdomain communication. Hereby he was utilizing the full scale of experimental techniques used in our group from molecular cloning up to X-ray diffraction or microscalethermophoresis, while he was working in close collaboration with the theoreticians in my group..

Pavel joint my group in 2013, after having finished his master in Genetics and Biotechnology at the Bealrussian State University in Minsk. When applying, he was convinced that the structural biology work in our group suites his future interests for a PhD. Pavel today is an experimentally very versatile and extremely skilled researcher, masters a broad range of techniques applied in structural and protein chemistry, and has a very solid theoretical background. During his PhD studies he had a research stay with Jeroen Mesters at Luebeck University in Germany. After a long period of hard work he succeeded in gaining the first complete structure of a full length HsdR. For this he was rewarded with a first author paper in JBC and two pdb entries in the protein data bank, I certainly regard him to be ready for defending his PhD and finding his own way within the scientific community.

I can confirm that **Pavel Grinkevich** fulfilled all pre-requirements for finishing his PhD studies, published his work in impacted papers, passed the state exam with success etc. I believe, that his research presented in the submitted thesis will convince the reviewers and the doctoral commission that **Pavel Grinkevich** fulfills also all demands needed for a successful defense of his doctoral thesis. Certainly, I can recommend him for being awarded the PhD-degree.

Best regards,



Prof. RNDr. Rüdiger Etrich, PhD.