



Academy and University Center Nové Hradý

**Department of Structure and Function of Proteins**

Institute of Nanobiology and Structural Biology of GCRC  
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**POSUDEK ŠKOLITELE**

**SUPERVISOR'S RECOMMENDATION**

Nové Hradý, December 20th, 2012

To Whom it may concern

**Iryna Kishko** was working on her PhD thesis under my supervision on the structure-function relationship of the multimeric oxidoreductase WrbA in the field of experimental structural biology. The principal aim of her project was to explain the unusual kinetics of this enzyme in molecular terms and get an insight about its physiological role in bacteria.

Iryna joined my group in 2008 after the first year of her PhD studies, when she switched from Jost Ludwigs group to my group, as she was convinced that the topic in our group suits better her interest. Iryna is a skilled researcher in the lab, technically masters all methodology without the need of any interference, and has a very solid theoretical background. Iryna has a clear mind about the aims and objective of her research. During her PhD studies she had several research and training stays in the Chemistry Department of Princeton University, where she was trained by Prof. Jannette Carey in enzyme kinetics, circular dichroism and analytical ultracentrifugation. Iryna has a reasonable amount of results and data meeting international scientific standard, one paper as a first author in PLOS one, and another paper to be submitted within the next days to Acta Cryst D. I certainly regard her to be ready for finding her own way within the scientific community. I believe, that her research presented in the submitted thesis will convince the reviewers and the doctoral commission that Iryna Kishko fulfills all demands needed for a successful defence of her doctoral thesis, and for my side, I can recommend her for being awarded the PhD-degree.

Best regards,

doc.RNDr. Rüdiger H. Etrich, Ph.D.

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