

*Confidential***Supervisor's Review of USB RIFCH PhD Thesis**

Surname of the PhD student: Ing. Martin Pšenička	Name of supervisor: Prof. Dipl.-Ing. Linhart Otomar, DSc.
Title of PhD thesis: Ultrastructure of spermatozoa and fertilization process in sturgeon.	

OVERALL COMMENTARY ON THE PhD THESIS

During four years of his PhD study (2005-2009) in my laboratory, he was always very active student with excellent publication level and excellent creativity. I became to be familiar with him through his master theses Ultrastructure of Siberian sturgeon and paddlefish spermatozoa in 2003. That time he only understood that a spermatozoon is something with head and tail and trouble may occur if these terrible cells reach egg.

Moreover, after three years of his electron microscopy study, I understood that he is able to obtained impressive results. I invited "Psenda" (nickname) to join my group for further cooperation. Upon coming to my Institute and laboratory, he began study of spermatozoa ultrastructure in several models of teleost and chondrosteian fish, physiological role of acrosome, posterolateral projections of acrosome, endonuclear canals and axoneme, both in functional and evolutionary impact.

Without creativity of "Psenda" and his simplicity for science, my lab and Institute would never reach today's level. He is published more then 22 peer-reviewed papers and his papers have good citation level (around 12) without self-citations and h-index 3. He was also involved in studies or research activities, which have not been included in his thesis.

Last but not least, **Psenda is excellent creative scientist**, who is fully enjoying life including science as pleasure and hobby. I understood that he is able to discover outstanding results in near future.

FINAL RECOMMENDATION

- can be recommended for defence of PhD Thesis
 can be recommended with reservations for defence of PhD Thesis
 can not be recommended for defence of PhD Thesis

Vodňany, 09 June, 2009

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Date and place

prof. Ing. Otomar Linhart, DrSc.

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surname and signature