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Confidential

Supervisor's Review of USB RIFCH PhD Thesis

Surname of the PhD student: Boryshpolets	Name of supervisor: Linhart Otomar
Title of PhD thesis: Energetics and motility of fish spermatozoa	

OVERALL COMMENTARY ON THE PhD THESIS

During four years of his PhD study (2008-2011) in my laboratory, he was an active student with excellent publication level and excellent creativity. I got familiar with him through his first visit to laboratory in 2007, when he spent one month with us during sturgeon workshop. I invited Sergii to join my group for further cooperation and the develop methodology for ATP and respiration measurements in my laboratory. Upon coming to my Institute and laboratory as the first student from Ukraine, he started to develop a study of fish sperm respiration, dynamics of ATP content and sperm movement parameters. He also investigated the presence of sperm spontaneous motility and examined changes in sperm during freezing and thawing process.

Without his creativity and simplicity for this field of science, my lab would never reach today's level. He has published, as the first author, more than 3 peer-reviewed papers and as coauthor 6 more papers and also two technologies. His papers have citation level around 10, without self-citations, with h-index 3. He was also involved in studies or research activities in laboratory, which have not been included in his thesis.

Last but not least, **Sergii is an excellent and creative scientist** who is fully enjoying life including science as pleasure. I understand 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

30th of April, 2011

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Date and place

prof. Otomar Linhart

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surname and signature