

To Prof. Petr Dvorak, Ph.D.
Head of Department of Biology
Faculty of Medicine & Vice-rector for Research
Masaryk University
Brno, Czech Republic



Evaluation of Habilitation Thesis of Lumir Krejci.

I hereby recommend the Habilitation Thesis of Lumir Krejci with the title "Homologous recombination and its quality control" for defense.

22 SEPTEMBER 2012

My evaluation in brief:

- a) The theme of the Habilitation Thesis is highly relevant with many implications for human genetic diseases and fertility issues.
- b) The experimental methods are described in great detail and are state-of-the-art in the field.
- c) Genome dynamics and evolution is highly influenced by the process of homologous recombination, which is tightly regulated and involves in the range of 50-100 proteins and post-translational protein modifications. Reconstitution of the individual biochemical steps of homologous recombination is therefore a tremendous challenge, which has nevertheless been accomplished by the research group headed by Lumir Krejci. Only in the light of biochemical studies can the available genetic and cell biological data in the field be interpreted properly. Lumir Krejci's work is therefore essential to the progress of science in the field of DNA repair and genome integrity.
- d) I recommend the submitted paper for defense as a Habilitation Thesis.

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Please see the attached evaluation report for specific comments on the Habilitation Thesis.

Yours sincerely

A handwritten signature in black ink, appearing to read "Michael Lisby", written in a cursive style.

Michael Lisby
Associate Professor, Ph.D.