

Supervisor's evaluation of the dissertation of Mgr. Ondřej Uher "Study of Cancer Immunotherapy Mechanisms in Pancreatic Adenocarcinoma and Pheochromocytoma Murine Models"

Mgr. Ondřej Uher followed up his successful bachelor and master theses (both focused on cancer immunotherapy) and focused on a detailed analyses of the processes associated with immunotherapy of pancreatic adenocarcinoma and pheochromocytoma in mouse models. He worked on the first model at the Department of Medical Biology of the Faculty of Medicine, JU, and the study on the second model was carried out in the laboratory of Prof. Karel Pacák at the National Institute of Health Sciences (NIH).

The study of the mechanisms of therapy fully corresponded with Ondřej's approach to the problem, because he always tried to understand the processes involved as much as possible. For these purposes, he mastered a number of challenging immunological methods at both institutions. He always worked with great enthusiasm and in a very creative way. He was always able to critically evaluate the results obtained, discuss them and draw relevant conclusions for further work.

Mgr. Ondřej Uher has made a significant contribution to the study of cancer immunotherapy. He thoroughly analyzed the processes taking place not only in the tumor treated directly with the injected therapeutic agent, but also in distant metastases. He made a fundamental contribution to the optimization of the method and its timing. Last but not least, he made a significant contribution to the validation of the efficacy of the therapeutic approach in old mice, corresponding in age to the age of patients at which tumors most often develop.

The dissertation of Mgr. Ondřej Uher's dissertation is fully recommended for defence.

RNDr. Jindřich Chmelař, Ph.D.

Supervisor

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