



CHARLES UNIVERSITY

First Faculty of Medicine

BIOCEV

Prumyslova 595, 252 50, Vestec, Czech Republic

Head: Prof. Tomas Stopka MD, PhD

In Prague May 27, 2024

Diploma thesis assessment by the thesis supervisor.

Thesis topic: The Role of T-cell Receptor in Lymphoma

Author: Bc. Viktoriia Kulinich

To whom it may concern,

Bc. Kulinich focused on a topic related to the T-cell receptor (TCR) signaling in lymphoma. The main aims of the project and her thesis were to establish whether T-cell derived lymphomas utilize TCR signaling for their benefit and what might be the related signaling pathways mediating this benefit.

Bc. Kulinich was able to fast and successfully learn and utilize wide spectrum of methodological approaches relevant to the thesis topic, including genome editing or omics techniques. She quite soon become a valuable member of our laboratory with a high degree of independence. She was able to collect new and relevant data which we are planning to include in a relevant publication. Bc. Kulinich clearly documented that at least some T-cell derived tumors utilize signal from TCR, described phenotypic consequences of TCR KO, provided preliminary data on affected signaling pathways and cellular processes, and provided plausible explanation why substantial proportion of T-cell derived tumors does not express TCR despite possible negative effect on cell growth following its loss.

Bc. Kulinich also showed a great attitude and effort within the thesis writing. She fast and correctly incorporated all comments and her writing improved with each section or chapter. I also highly appreciate her choosing English as the language of the thesis which is beneficial for her future work. The thesis has a standard structure and high technical level including her own schematics considering diploma thesis level of work and her experience.

As her supervisor, I think that Viktoriia is a very talented student with great laboratory skills and attitude, high capability to study and summarize relevant literature, and great potential for the next steps of her career. The thesis fulfilled its aims and has all necessary parts and characteristics at a high standard, therefore, I fully recommend the thesis for defense as excellent.

Sincerely,

Ondrej Havranek, MD, PhD

Associate Professor

Head of the Laboratory of Lymphoma Tumor Biology

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