

**CHARLES UNIVERSITY
FACULTY OF PHARMACY IN HRADEC KRALOVE**

Department

Study program: choose study program

Opinion of the Thesis Tutor/Consultant about the Diploma Thesis

Year of assignment: 2021

Year of the defense: 2023

Student: **Bc. Bahareh Bolboli**
Thesis Tutor: Prof. Frantisek Staud, Ph.D
Consultant: Kasin Yadunandam Anandam, Ph.D
Opponent: PharmDr. Alejandro Carazo, Ph.D
Thesis title: **Precision-cut placental slices as a model to study inflammatory response**

Scope of work, number of: 43 pages, 12 figures, 0 tables, 54 citations

Evaluation of experimental work:

- | | |
|---|-----------|
| a) Evaluation of methodological procedures: | Excellent |
| b) Skill in the laboratory or in obtaining experimental data: | Excellent |
| c) Independence: | Excellent |
| d) Initiative: | Excellent |
| e) Diligence and conscientiousness: | Excellent |

Evaluating the processing of results and writing up the thesis:

- | | |
|---|-----------|
| a) Processing of results (diligence and independence): | Excellent |
| b) Interpretation and discussion of results: | Excellent |
| c) Literary research: | Excellent |
| d) Text processing (stylistic level): | Very good |
| e) Formal level of the work (text structure, graphic design): | Very good |

I recommend the thesis for recognition as a rigorous thesis

Verbal evaluation, distinctive features of the author, and the thesis:

Student Bahareh Bolboli worked most of the time in the laboratory under the guidance of Kasin Yadunandam Anandam, PhD, whom I would like to thank in this way. In the course of solving the DP, Bahareh mastered the placental slicing procedure, extraction of RNA from placental slices, quantification of RNA and qPCR, as well as ELISA. She demonstrated excellent skill and initiative to solve experimental problems and was a definite asset in solving scientific tasks. The experimental parts of the work are overall excellent. The text part was created with the considerable help of the trainer. The topic of generating precision cut placental slices as a new and alternative model system to study placental inflammation in a sex-dependent manner is still a new topic addressed within the Placenta in Health and Disease research group. Due to the limited possibility to be "inspired" in older writings, I rate the processing of the text part of DP with a very good mark. Overall, I rate the thesis (experimental and written part together) as excellent.

Evaluation of the thesis: Excellent

**For the Recommend
defense:**

In HK

15. září 2023

signature of the opponent