

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

Department: KBLV Master's degree program in Pharmacy

**Opponent's review of Master's thesis**

Student's name: Konstantinos Bountalis

Mentor of the thesis: prof. PharmDr. Petr Nachtigal, Ph.D

Year of the thesis  
defense: 2018

Opponent of the thesis: Alena Prašnická MSc.,

Title of the thesis:

**Soluble Endoglin effects on endothelial dysfunction markers in mice**

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Formal comments: number of pages: 81, number of figures: 21, number of tables: 0, number of references: 126.

Type of work: Experimental work

- a) The aim of the thesis is: Fulfilled
- b) Language and graphic level: Excellent
- c) Processing of the theory: Excellent
- d) Methods description: Excellent
- e) Results description: Excellent
- f) Discussion and conclusions: Excellent

I recommend Diploma thesis for the recognition as Rigorous thesis .

Opponent's comments: The student kept the conditions for writing the thesis and it is nicely processed and readable. Each part of the thesis is deeply and precisely described. I recommend to student for the next time to label figures properly e.g. Figure 5 is in the text divided into A/B but the graph is not.

Questions:

1. Does sEng appear just as co-receptor with TGF- $\beta$  or can sEng activate by itself TGF- $\beta$  receptor? If not why?
2. How many animals per group was used in this study?
3. The student wrote there is no difference in the plasma concentration of cholesterol between the groups treated by HFD. What is the plasma concentration of cholesterol in animals feeded by chow diet?

**Evaluation of Master's thesis: Excellent**

**Recommendations for the thesis defense: Recommended**

In Hradec Kralove 22.05.2018

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Opponent's signature