

Téma diplomové práce	Zkoumání účinku CTA1R7K-ChrA-DD způsobujícího toleranci na BDC2.5 CD4 buňky vyvolávající diabetes
Jméno studenta, studentky	Zuzana Kadová
Jméno vedoucího diplomové práce	Prof. Ing. Vladimír Wsól, Ph.D.

I. Posudek vedoucího diplomové práce

Diplomantka Zuzana Kadová vykonávala svou diplomovou práci na zahraničním pracovišti ve Švédsku v rámci projektu Erasmus. Do pracovního kolektivu se začlenila velice dobře díky svým jazykovým schopnostem i pracovnímu úsilí. Školitelka-specialistka Linda Mark byla se studentkou velice spokojena, o čemž svědčí i její hodnocení (viz níže).

"Zuzana Kadova did a 30 points project (20 weeks) in the group of Susanna Cardell at Dept. of microbiology and immunology, University of Gothenburg, during the fall semester of 2011. I was her main practical supervisor, and her project was an integrated part of my research. The project aimed at studying a novel type of tolerizing vaccine, to see if it could inhibit type I diabetes, using a mouse model with a rapid disease progression.

Technical skills obtained:

-In vivo mouse model: Zuzanas' project was based on vaccination of mice, and cell transfers of mice. Zuzana took part of and got training in these experiments, even if she was not allowed to perform them on her own (policy of the department).

-Cell culturing: Zuzana got instructions in working with cells in a sterile manner. She thereafter performed such experiments on her own. She both designed and carried out experiments where spleen cells and lymph node cells were obtained from mice, isolated and cultured in vitro with stimulating agents.

-In vitro assays: Zuzana learnt to do cytokine ELISAs and to do thymidine incorporation assays and performed such assays on her own.

For the written report, Zuzana treated the results obtained from her experiments and created the figures. She also did literature studies in order to write the report in a scientific manner.

The study that Zuzana was part of carrying through is indeed important for my research and will be used as a start for further investigations.

As indicated above, Zuzana got exposed to many different experimental methods. She learnt to master them and work with them, during the restricted time period she had at her disposal.

I found Zuzana being interested, thorough, very trustworthy and ambitious. It was a pleasure having Zuzana in our group."

Navrhovaná klasifikace **výborně**

V Hradci Králové dne 27.5.2011

Podpis vedoucího diplomové práce

