



BIOLOGY CENTRE CAS

Institute of Parasitology

address: Branišovská 1160/31, 370 05 České Budějovice, Czech Republic

IBAN – CZ24 0800 0000 0000 0606 3942 | SWIFT CODE – GIBACZPX | VAT No.: CZ60077344

phone: +420 387 775 403 | fax: +420 385 310 388 | www.paru.cas.cz | e-mail: paru@paru.cas.cz

Supervisor's opinion on the bachelor thesis of Julia Ebenstreit

The bachelor thesis of Julia Ebenstreitová deals with the overexpression of an enzyme that leads to ATP production in mitochondria in a specific form of trypanosomes called dyskinetioplastids. These cells lack mt DNA and we predicted that ATP production would be lethal for them for reasons that will be explained by Julie during her defense.

Julie initially went through a journey that wasn't exactly straightforward, but her tenacity, determination and also optimism helped to make the road less thorny and more straightforward. Julie was mentored in the lab by Brian Panicucci and I thank him for his willingness and time to devote to Julie. During her time in the lab, Julie learned basic cloning techniques, created a genetically modified trypanosome, and measured membrane potential using a fluorescence probe and flow cytometer.

Julie is very friendly, bright, communicative, responsible and hardworking person. Her english is also of a high standard, which was very useful during her supervision by Brian Panicucci and also during the writing of her thesis.

Julie is a student worth investing energy and time in and we are very happy that she decided to continue with us, as her promising results indicate that our hypothesis was correct and it will be very interesting to delve deeper into the project with even more sophisticated methods.

I recommend Julie Ebenstreit's work to be defended

V Českých Budějovicích, 18.5. 2023

doc. RNDr. Alena Panicucci Zíková, PhD