



Supervisor review of Jaromír Cihlář

Supervisor: Miroslav Oborník

Jaromír Cihlář came to my lab, believe it or not, in the fall 2011. So, he almost became kind of inventory of the lab. The goal of his PhD work was to continue in the research of the heme biosynthesis performed by Luděk Kořený, which is definitely not an easy task. Jaromír was supposed to investigate the evolution of heme pathway arrangement in phototrophic eukaryotes harboring complex plastids, particularly in various dinoflagellates such as *Lepidodinium chlorophorum* and dinotoms, in the second formally described chromerid alga *Vitrella brassicaformis* and in complex algae equipped with nucleomorph, such as the cryptophyte *Guillardia theta* and the chlorarachniophyte *Bigelowiella natans*. He was also involved in the sequencing project on both chromerid algae, *Chromera velia* and *Vitrella brassicaformis* and also in some additional projects mostly helping other people with phylogenetic analyses of various organisms. In the end, in my opinion, Jaromír successfully completed his mission, although it was not always easy. First of all, Jaromír is simply not a fast guy. By the words of runners, he prefers Marathon before a sprint. For instance, writing the introductory part of his thesis took him almost a year. On the other side, I must avow that I was personally quite surprised by high quality of the review part of his thesis. I have to say that from my perspective Jaromír was not always lucky in the lab. Some of the projects he participated on were lost without any publication outcome, and it was definitely not his mistake.

I have to avow that only now, when Jaromír is supposed to leave the lab, I start to realize what this particular loss actually means for me and the lab. I see now what this modest and kind boy was actually doing for the lab and myself in the past years. He took care of most of the algal cultures in the lab, and that we have quite many of them, starting from chromerids and



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dinoflagellates and ending with *Paulinella chromatophora*, the alga sensitive even to a bad facing of cultivator. But what will be more painful for us, we are losing the great handyman of the marine aquarium in the lab, which we use as the source of the sea water for the cultivation media and also soothing our hurried souls. Last but not least, I will personally miss his specific sense of humor, which was able to embarrass even myself.

In a summary, I am convinced that the work of Jaromír Cihlár is suitable for awarding the PhD degree and as his supervisor I recommend his thesis for the defense.

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