



Jihočeská univerzita v Českých Budějovicích
Přírodovědecká fakulta - Ústav chemie a biochemie

doc. RNDr. František Vácha, PhD - vedoucí ústavu

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Supervisors review of **Barbora Emmerová**

Title of the thesis: Characterisation of quenching of far red organic fluorescent probe by DNA nucleobases

Bara started to work in our lab on the project of single molecule spectroscopy of DNA fragments. Shortly, new questions has arisen about a quenching of individual bases on DNA in a relation to the structure and mutual orientation of fluorescence dyes and nucleotides in the DNA sequence. Bara has focused her effort to this particular problem and during her work, she has got several interesting and new results and general knowledge about the mechanism and principles of nucleotide base quenching. She has been working with passion and became skilful in number of spectroscopic techniques. She was independent, thoughtful and team working person and got lots of knowledge about the chemistry and biophysics of nucleic acids.

I believe that she will be for sure good scientist and that deserve the bachelor degree.

in České Budějovice 20. 6. 2010

F. Vácha