

Průběh obhajoby diplomové práce:

NMR Study!

- H.P. gave an outline of her MSc thesis on PsbQ protein from PSII
- 1/ Photosynthesis → photosystems I/II → emphasizing PSII
 - 2/ Interaction of Psb protein with other proteins
 - 3/ Methodology of recombinant protein - PsbQ Methods of protein biochemistry
 - 4/ Stability experiments (HEPES/MES buffers)
 ↳ NMR signals/shifts
 Bis-Tris/MES better than HEPES
 Phosphate buffer ($\text{HPO}_4^{2-}/\text{H}_2\text{PO}_4^-$)
 structure of PsbQ under condition of different buffers were understood/computed
 - 5/ Temperature variations experiments
 3D ^{15}N NOESY
 ^{13}C HSQC and 3D ^{13}C NOESY, HNCA - no cleavage on N-terminus
 - 6/ BACTRACIN column - coupled to Sepharose 4B
 - 7/ Conclusion ↳ not suitable results
 but H.P. make clear conclusions of the thesis contained plenty very well done results.

Body:

Klasifikace:

Celková klasifikace:

Datum obhajoby: 14/3/16

podpis předsedy

Hodnocení ústních zkoušek:

Advanced Biochem → Mol. Biol 3

Fundamentals... 2

Structural Biochemistry 1