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## INTERACTION OF QUANTUM DOTS WITH DNA

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### Anotace/Annotation

Quantum dots are nanomaterials made of semiconductors which have size-dependent electronic and optical properties. They have better photostability than organic dyes, narrow emission and continuous absorption spectra. In this experiment labeling DNA with quantum dots by using their physical properties and possibilities will be shown. The interaction was monitored by capillary electrophoresis with laser-induced fluorescence detector and time dependence was observed.



### Program/Programme

1. Quantum dots,
2. Quantum dots are nanomaterials
3. Labeling DNA with quantum dots
4. Conclusion

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Ústav chemie a biochemie, místnost D06

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