

# THE WAY TO NANOSCOPY

## Summary

In this article the way of evolution of the family of fluorescent microscopes in order to reach substantially higher resolution was presented. Current, STORM-type, superresolution microscopes allow to obtain resolution of the order of 10 nm but engineers have strong foundations to believe that fur-

ther progress in the area of more efficient fluorescent dyes synthesis and improvement of the computer aided image analysis allow to obtain resolutions close to approximately 1 nm — that is to the level of current electron microscopes.