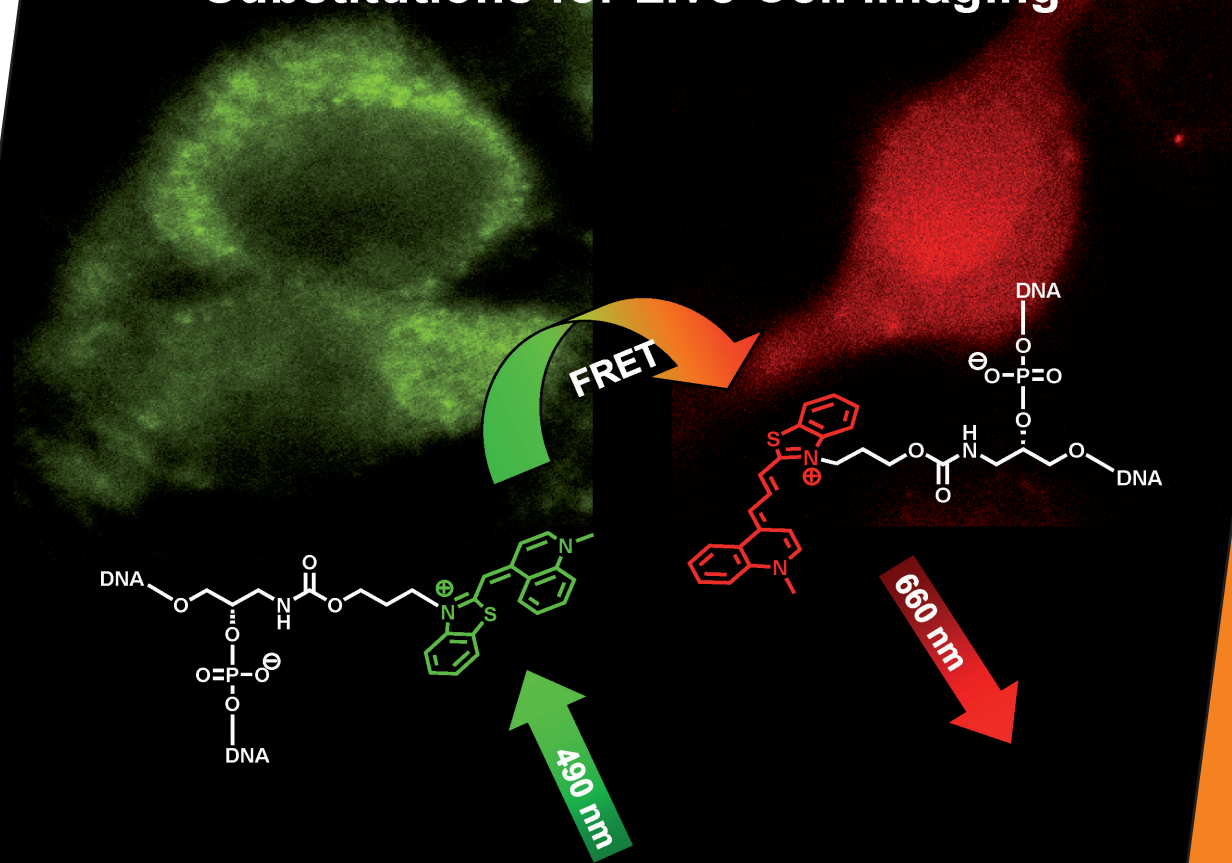


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Cyanine Dyes as Fluorescent DNA Base Substitutions for Live Cell Imaging



Cover Picture

Hans-Achim Wagenknecht et al.

Cyanine Dyes as Fluorescent DNA Base Substitutions

Microreview

Luca Beverina and Patrizio Salice

Squaraine Compounds

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COVER PICTURE

The cover picture shows how thiazole orange and its elongated derivative TO3 can be combined as a fluorescent base pair for imaging nucleic acids inside living cells. Both dyes were incorporated synthetically as DNA base substitutions and are able to display DNA dehybridization by changing color from red to green. Details are discussed in the article by H.-A. Wagenknecht et al. on p. 1239ff.

