

Normalization using the F3 Channel of the Lightcycler- a New Reporter Enables Multiplexing with 5'Nuclease Probes



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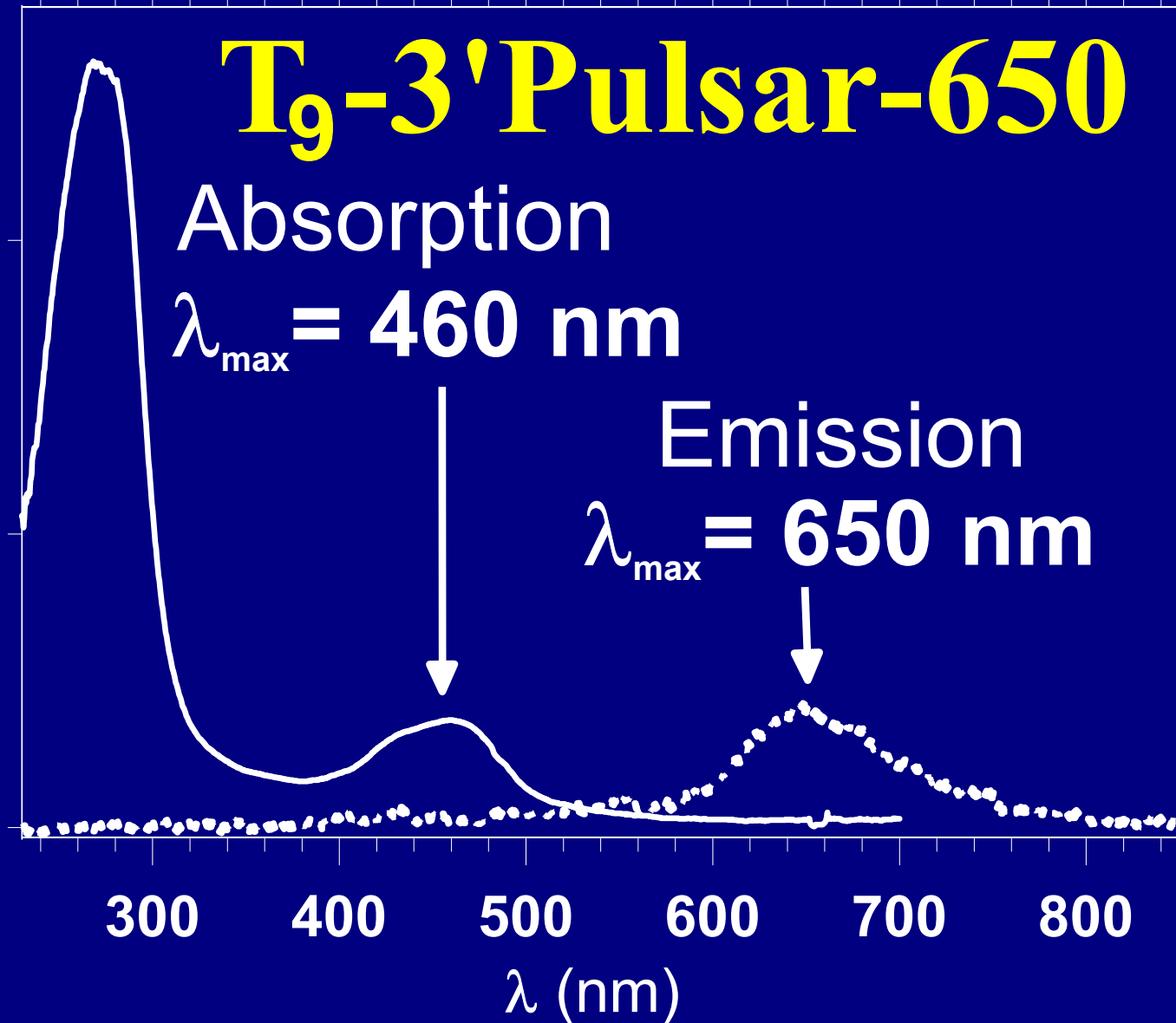
T₉-3' Pulsar-650

Absorption

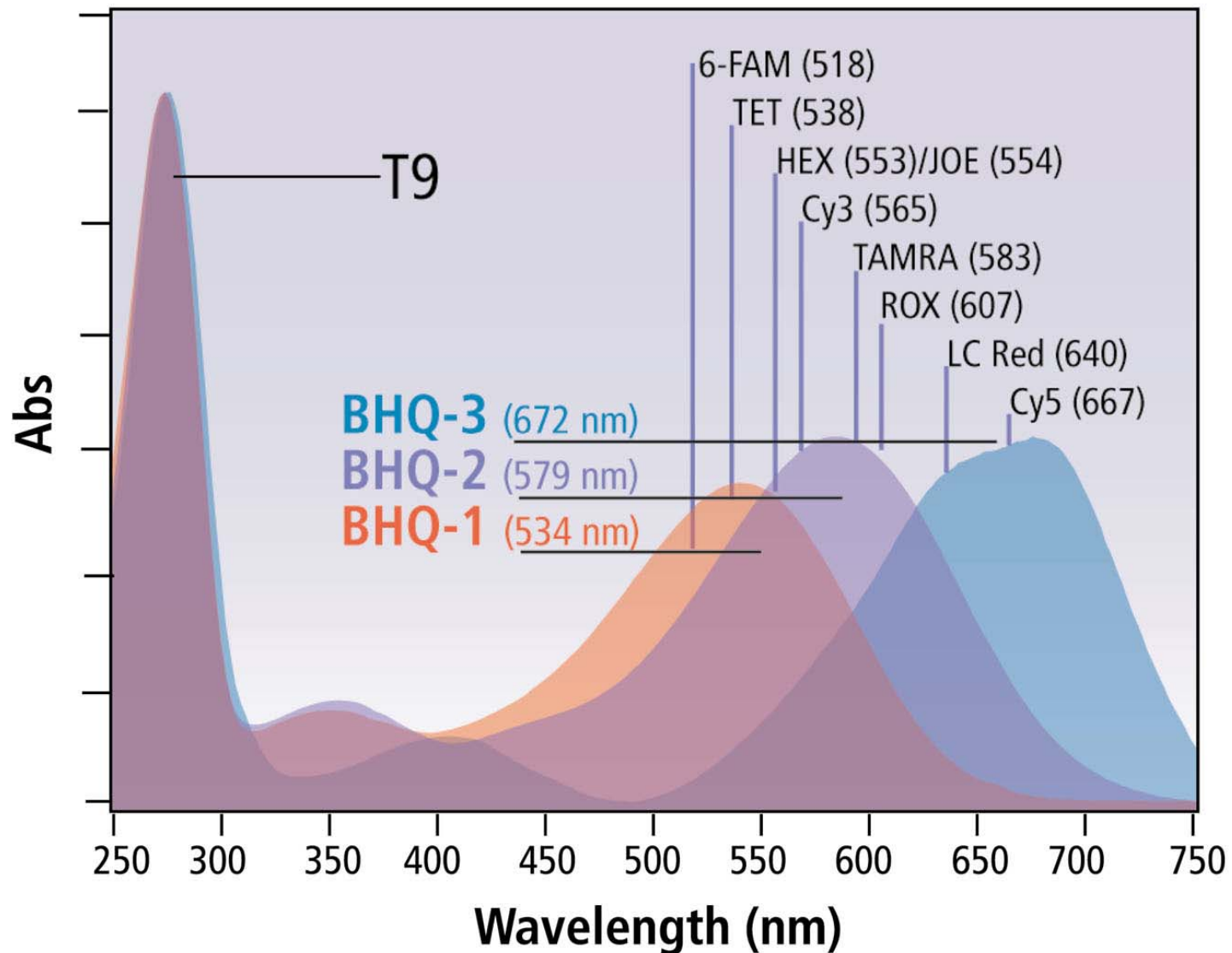
$\lambda_{\text{max}} = 460 \text{ nm}$

Emission

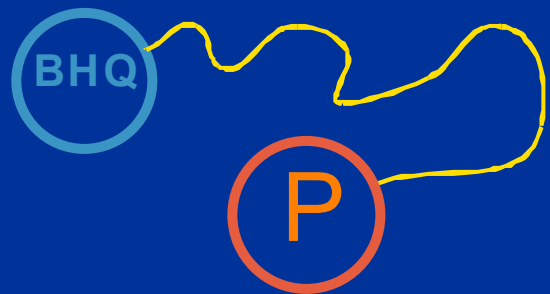
$\lambda_{\text{max}} = 650 \text{ nm}$



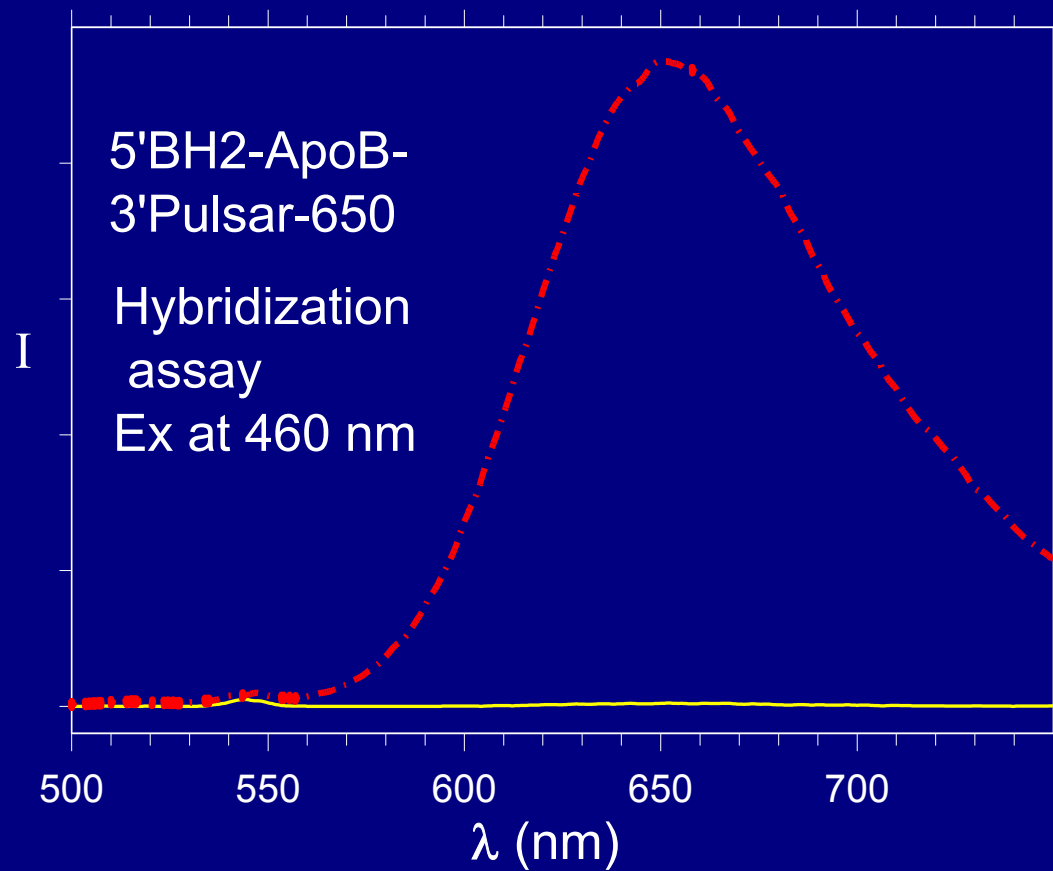
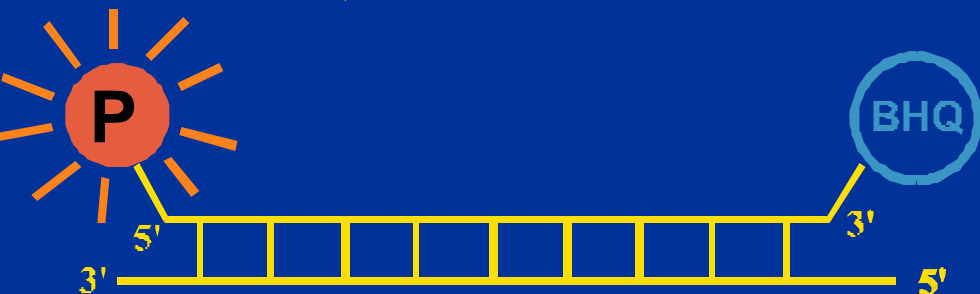
Black Hole Quenchers



oligo sequence



complement



Pulsar-650

****New Reporter Dye****

Assays with quenched probes show good sensitivity and signal/noise

Advantages for Lightcycler users:

- Direct 470 nm Excitation
- Detect Emission in F3 channel
- Multiplex with Taqman Probes
- → allows real-time internal control normalization

Acknowledgements

Biosearch:

Dr. Ron Cook

Dr. Matt Lyttle

Fluorescentric:

Part II of presentation

Additional Questions/info:

Please visit the Biosearch Technologies booth