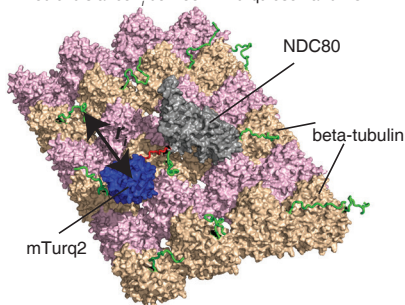


A Monte Carlo protein simulation

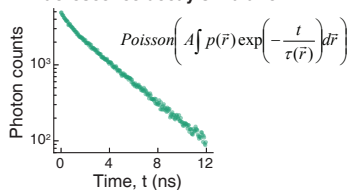
Predict distance r_i between mTurquoise2 and TC



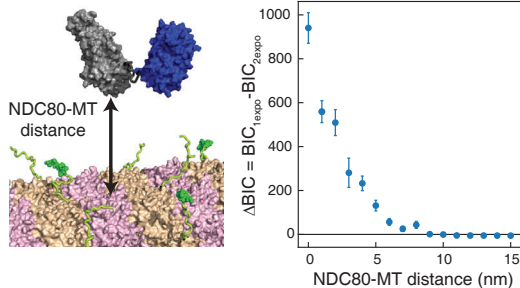
Lifetime calculation

$$\tau(\vec{r}) = \frac{\tau_D}{1 + \sum_i I_i \left(\frac{R_0}{r_i} \right)^6}$$

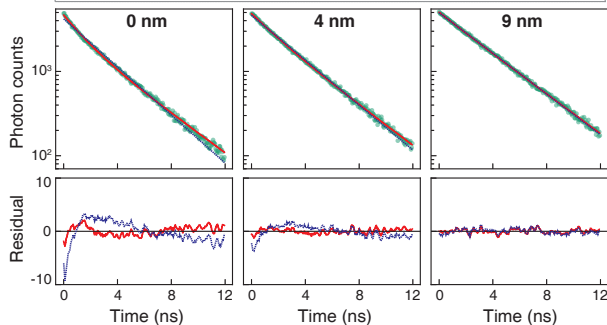
Fluorescence decay simulation



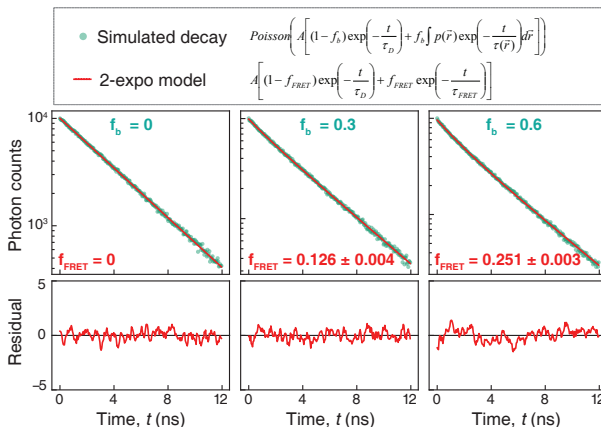
B



• Simulated decay — 1-expo model — 2-expo model



C



NDC80-kMT FRET calibration

