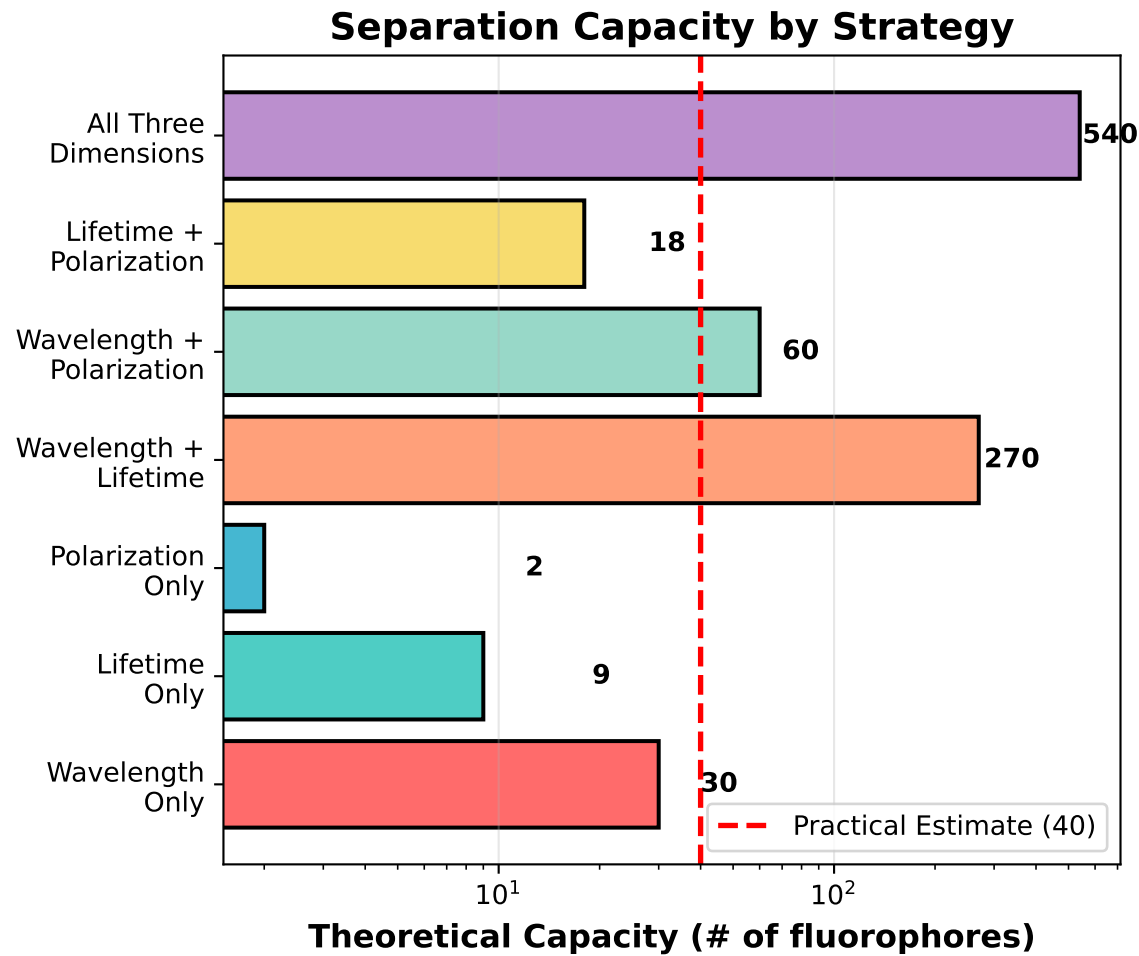
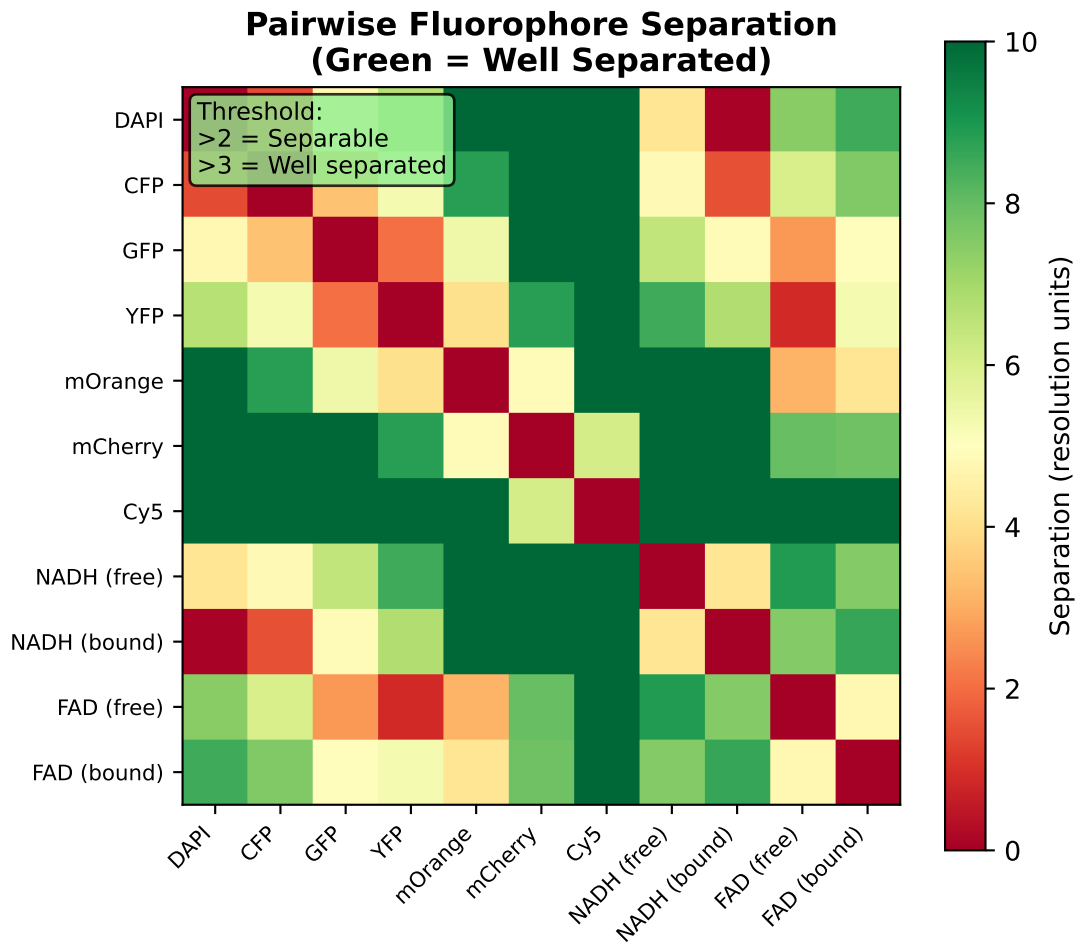
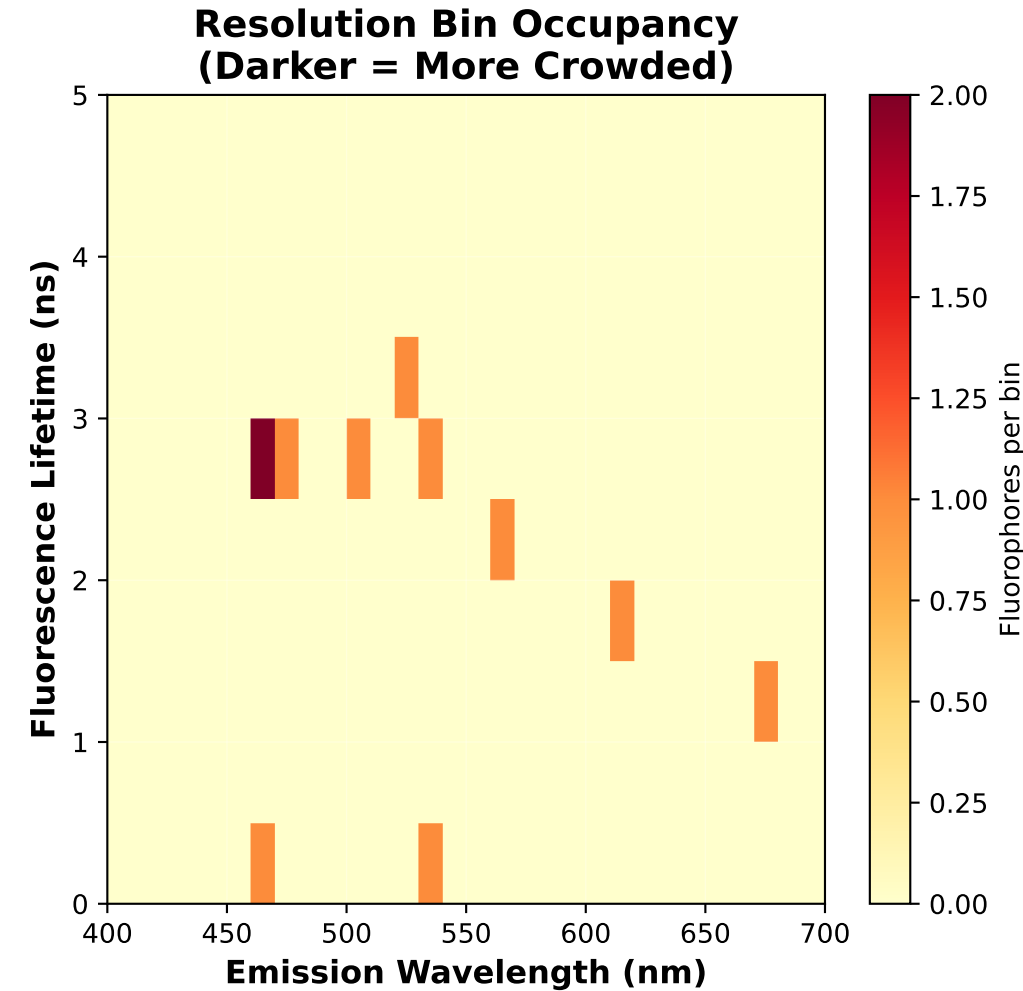
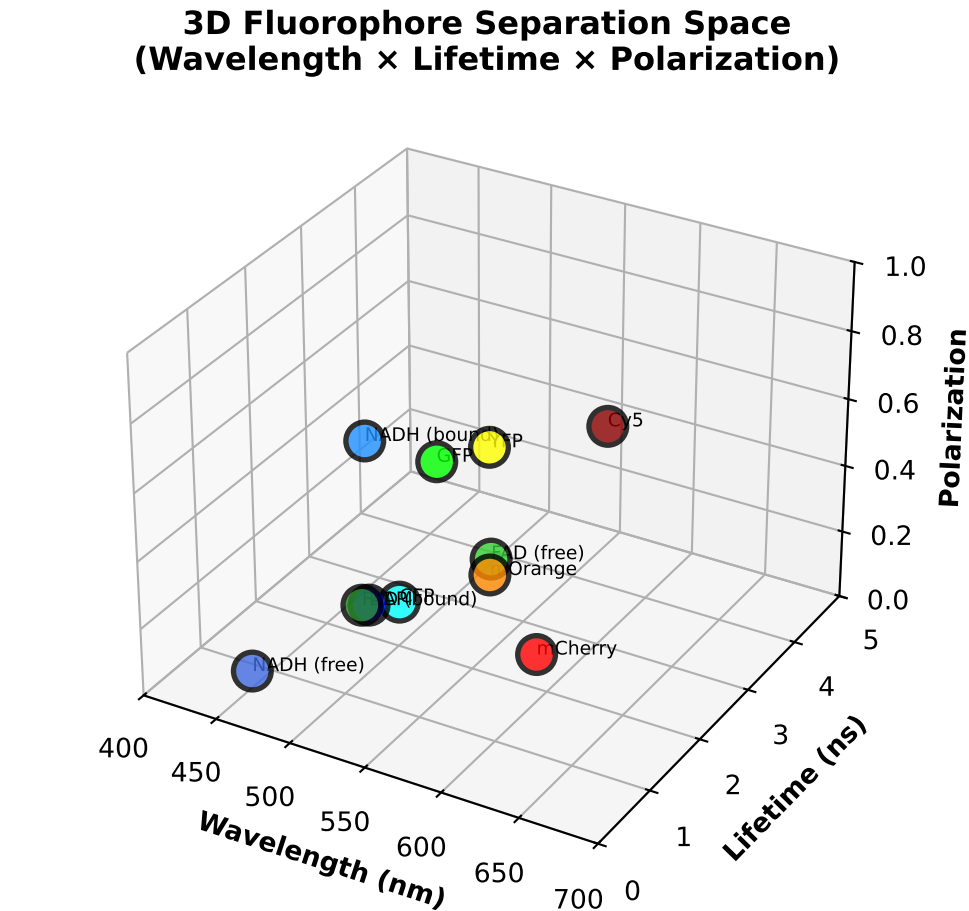
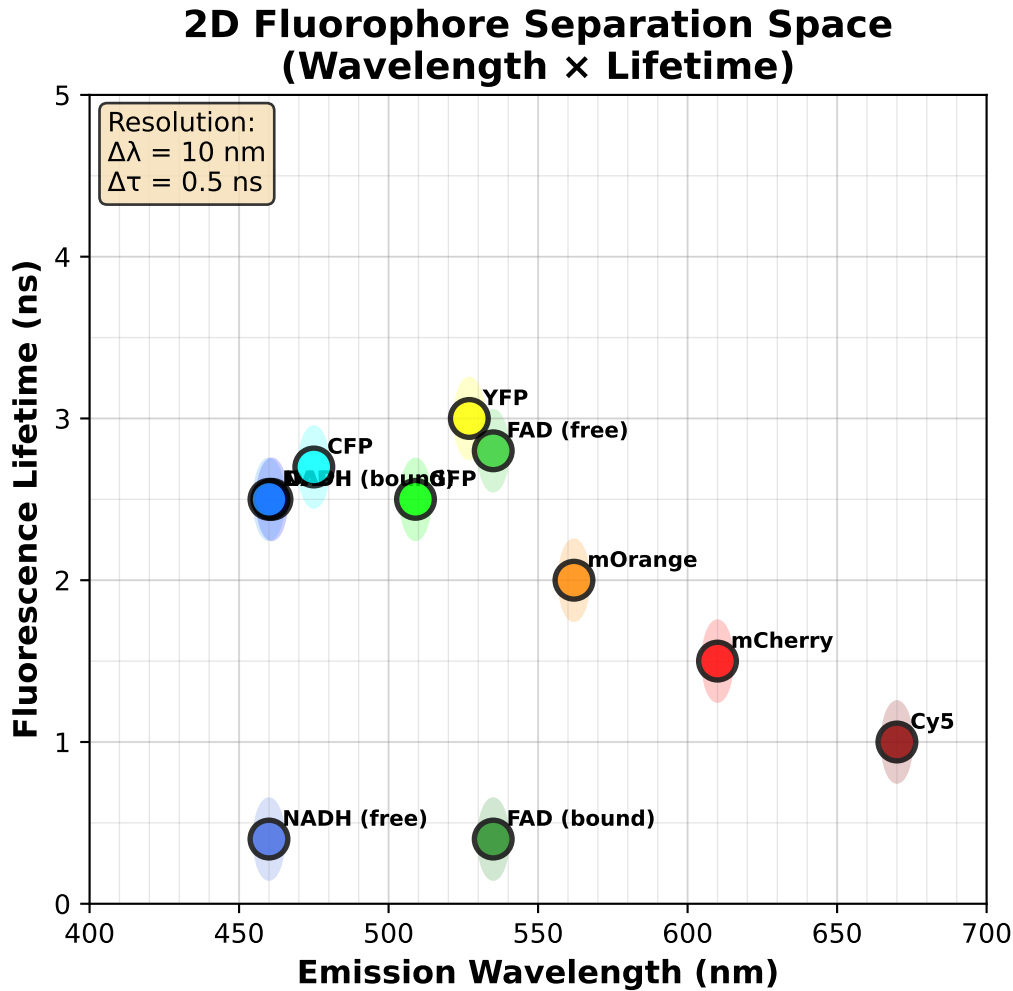


Fluorophore Separation Capacity Analysis
Resolution: $\lambda=10\text{nm}$, $\tau=0.5\text{ns}$, Pol=2 states



Recommended Fluorophore Panels

3-Color Panel (Conservative)

- DAPI: 461nm, 2.5ns
- GFP: 509nm, 2.5ns
- mCherry: 610nm, 1.5ns

5-Color Panel (Moderate)

- DAPI: 461nm, 2.5ns
- CFP: 475nm, 2.7ns
- YFP: 527nm, 3.0ns
- mOrange: 562nm, 2.0ns
- Cy5: 670nm, 1.0ns

Label-Free (Metabolic)

INSTRUMENT SPECS:

- Wavelength: 10nm resolution
- Lifetime: 0.5ns resolution
- Polarization: 2 states

CAPACITY:

- Theoretical: 540 fluorophores
- Practical: ~40 fluorophores
- Recommended: 3-10 fluorophores