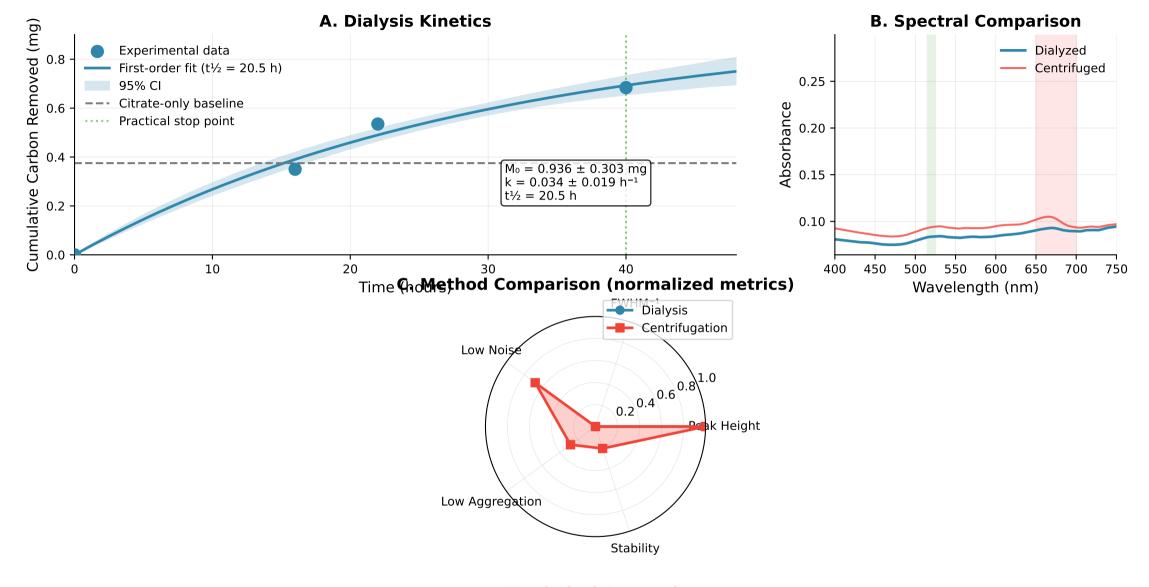
Figure 2: The Purification Journey - Dialysis Creates Superior AuNP Platform



D. Statistical Comparison

Metric	Dialysis	Centrifuge	Improvement	p-value
Peak Height (A520)	0.126 ± 0.031	0.129 ± 0.037	↓ 2.0%	0.929
FWHM (nm)	80.000 ± 0.000	80.000 ± 0.000	↓ 0.0%	nan
Baseline Noise	0.001 ± 0.001	0.000 ± 0.000	↓ 210.2%	0.057
Red Tail (650-700nm)	0.101 ± 0.020	0.072 ± 0.025	↓ 39.1%	0.179
Aggregation Index	0.897 ± 0.291	0.709 ± 0.405	↓ 26.5%	0.539