## Supporting Information for

## A simple three-dimensional-focusing, continuousflow mixer for the study of fast protein dynamics

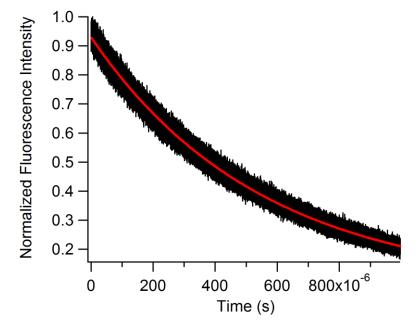
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Included in the supporting information are a figure showing the fluorescence decay of the Eu microspheres, a table of the data points collected for the time resolution calibration, tables of fit variables and errors for the fit functions reported in the main article.

Figure S-1. Fluorescence decay signal of Eu microspheres. Data were fit to a single exponential of the form:  $y = y_0 + Ae^{-x/r}$ . r is the decay rate of Eu microsphere fluorescence. r was fit to  $548.2 \pm 0.3 \, \mu s$ .



**Table S-1.** Data Used for Time Calibration with Error

Flow Rate, mL/min	Time Calibration, μs/pixel
0.187	$3.20 \pm 0.01$
0.213	$2.526 \pm 0.005$
0.284	$2.181 \pm 0.007$
0.288	$2.43 \pm 0.01$
0.330	$2.361 \pm 0.004$
0.382	$2.147 \pm 0.009$
0.430	$1.925 \pm 0.008$
0.436	$2.015 \pm 0.004$
0.472	$1.901 \pm 0.005$
0.529	$1.707 \pm 0.004$
0.574	$1.453 \pm 0.006$
0.585	$1.644 \pm 0.009$
0.615	$1.294 \pm 0.008$
0.721	$1.502 \pm 0.008$
0.867	$1.472 \pm 0.009$
0.958	$1.15 \pm 0.01$

Table S-2. Fit Coefficients and Error for Time Calibration Data

Fit Variable	Fit Value	Error in Value
У0	1.1338	0.202
A	3.4645	0.5
r	3.3673	0.946

Data was fit to a single exponential of the form:  $y = y_0 + Ae^{-x \cdot ru}$ 

Table S-3. Fit Coefficients and Error for Mixing Time Data

Fit Variable	Fit Value	Error in Value
У0	81.57	4.63
A	531.45	11.3
r	2.9776	0.946

Data was fit to a single exponential of the form:  $y = y_0 + Ae^{-x \cdot ru}$ 

Table S-4. Fit Coefficients and Error for ApoMb Unfolding Data

Fit Variable	Fit Value	Error in Value
У0	759.76	7.83
A	82954	11300
r	8.7592	0.278

Data was fit to a single exponential of the form:  $y = y_0 + Ae^{-x \cdot ru}$