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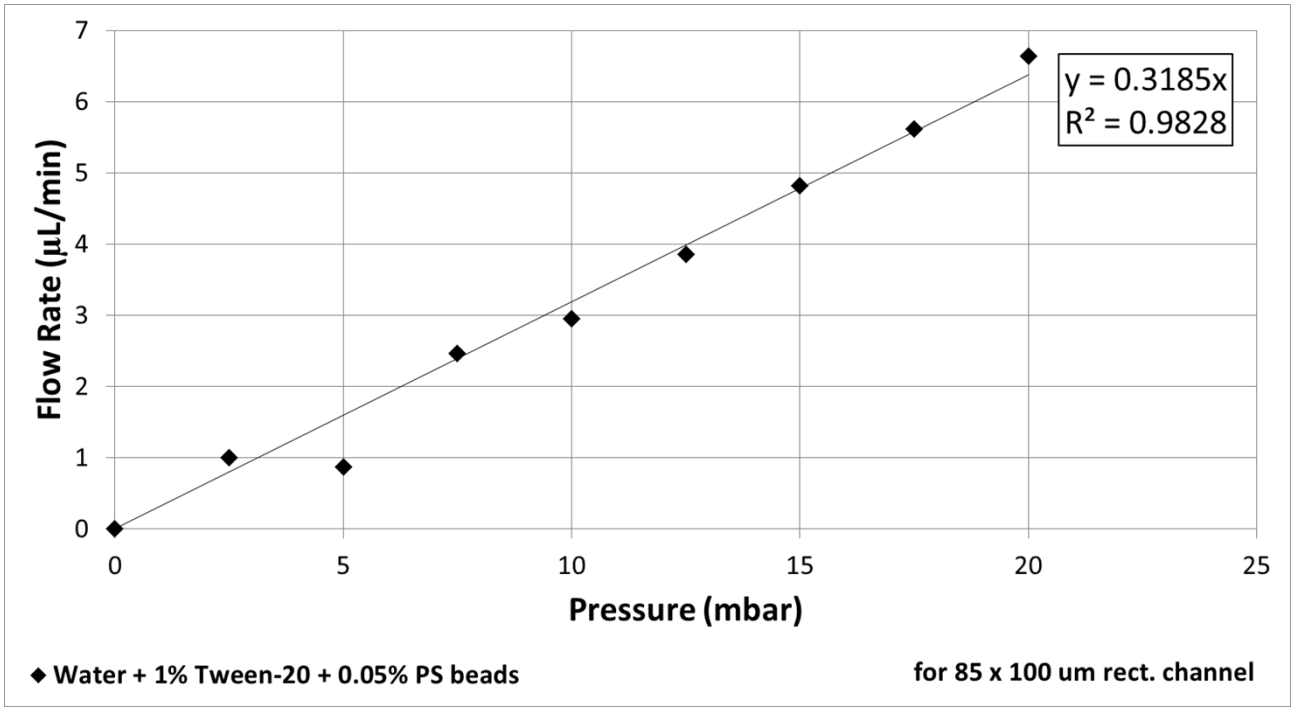

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Application of a three-dimensional (3D) particle tracking method to microfluidic particle focusing

Michael H. Winer[a], Ali Ahmadi[b] and Karen C. Cheung[a]

Supplemental Information

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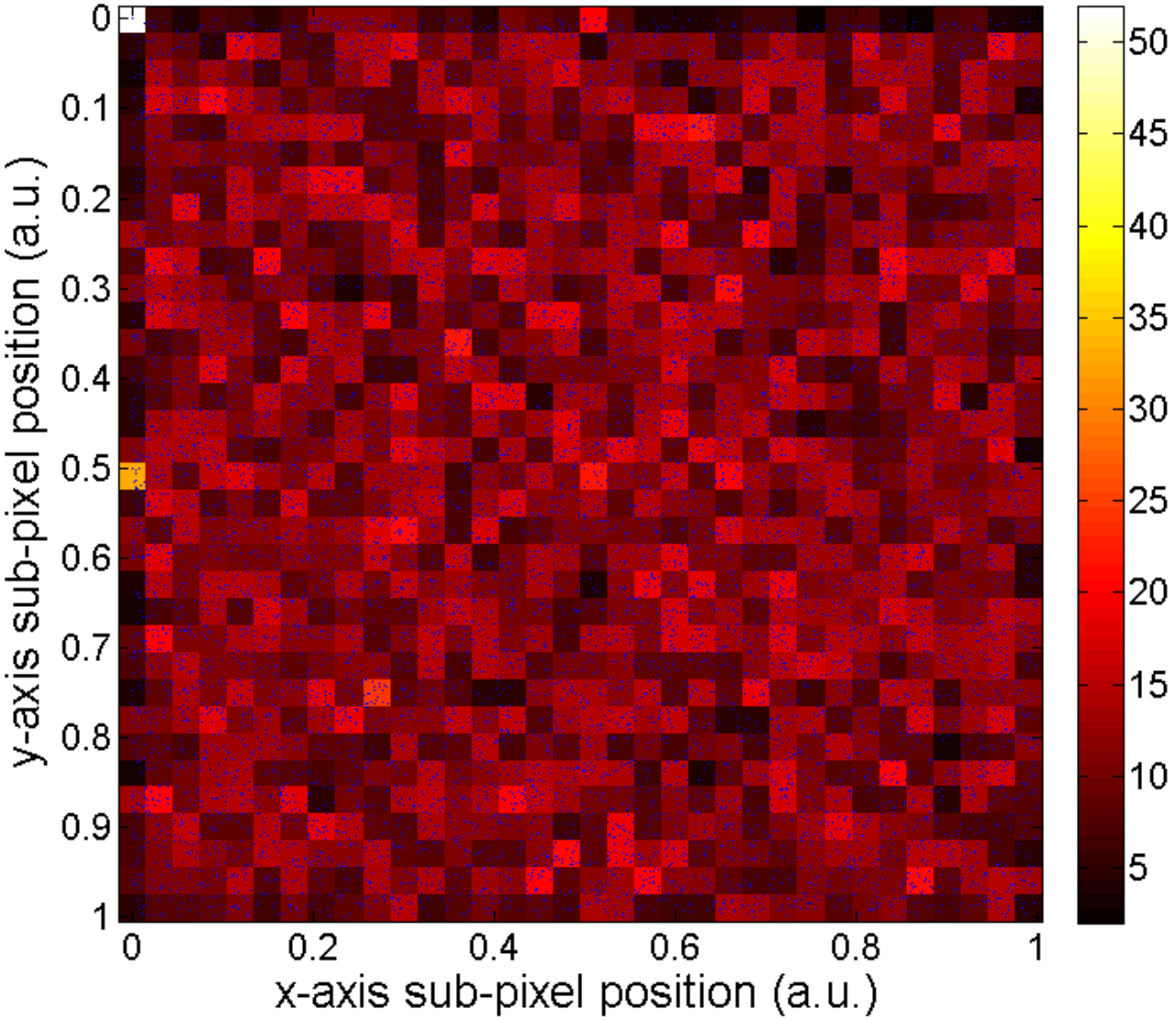

Fig. S2 2D histogram plot of probability density function (PDF) of the sub-pixel centroid positions of particles. Data was accumulated from both gravitational and inertial focusing studies. Bin size set to 0.03 (3% of total pixel size). X and Y axes refer to the sub-pixel (decimal) centroid value for each particle detected via the defocusing method and image post-processing algorithm described in the accompanying paper. Colour bar refers to the number of particle positions within each sub-pixel region. Blue points represent raw data. There is no discernible pattern in this plot in either the x- or y-axis.

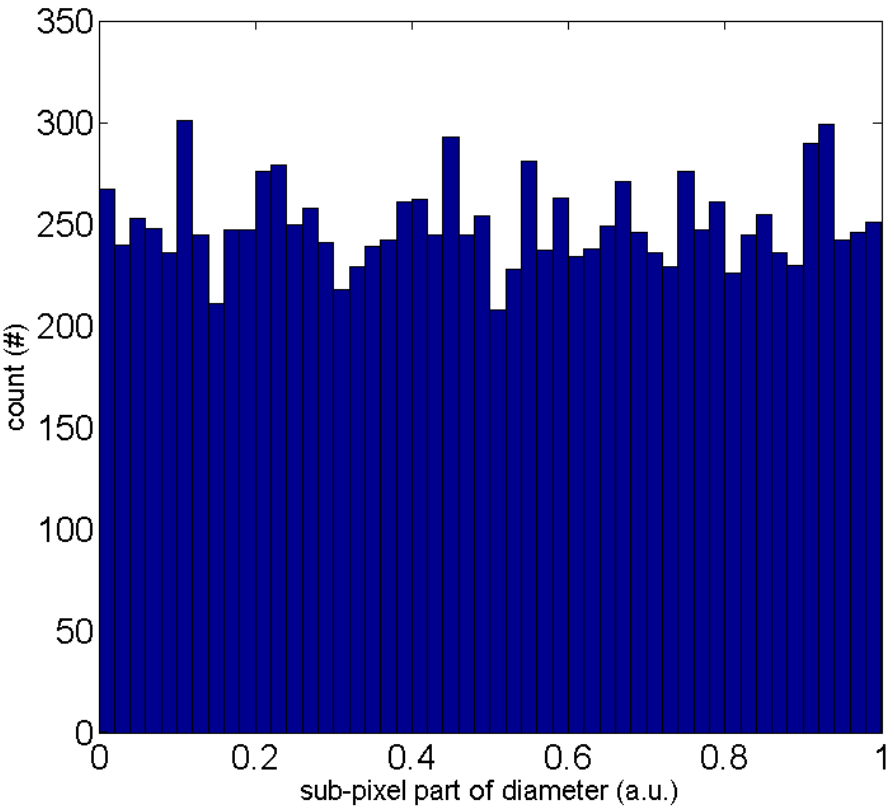

Fig. S3 1D histogram plot of probability density function (PDF) of the sub-pixel parts of the diameter of particles from gravitational and inertial focusing studies. Bin size set to 0.02. Similarly to Fig. S2, there is no discernible pattern in the particle counts across the sub-pixel diameter parts. Therefore, it can be concluded that peak-locking effects are negligible.

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