

Dispersion & stretching in 3D porous media

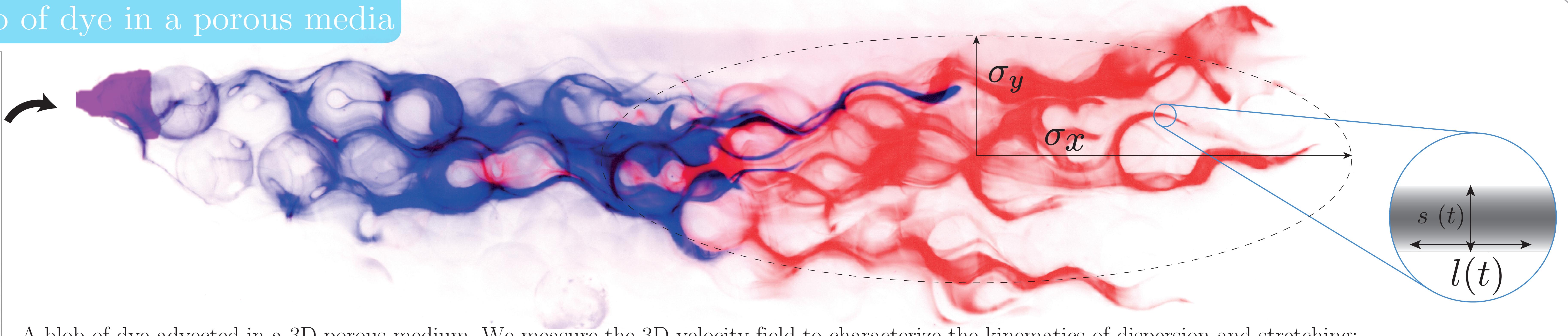
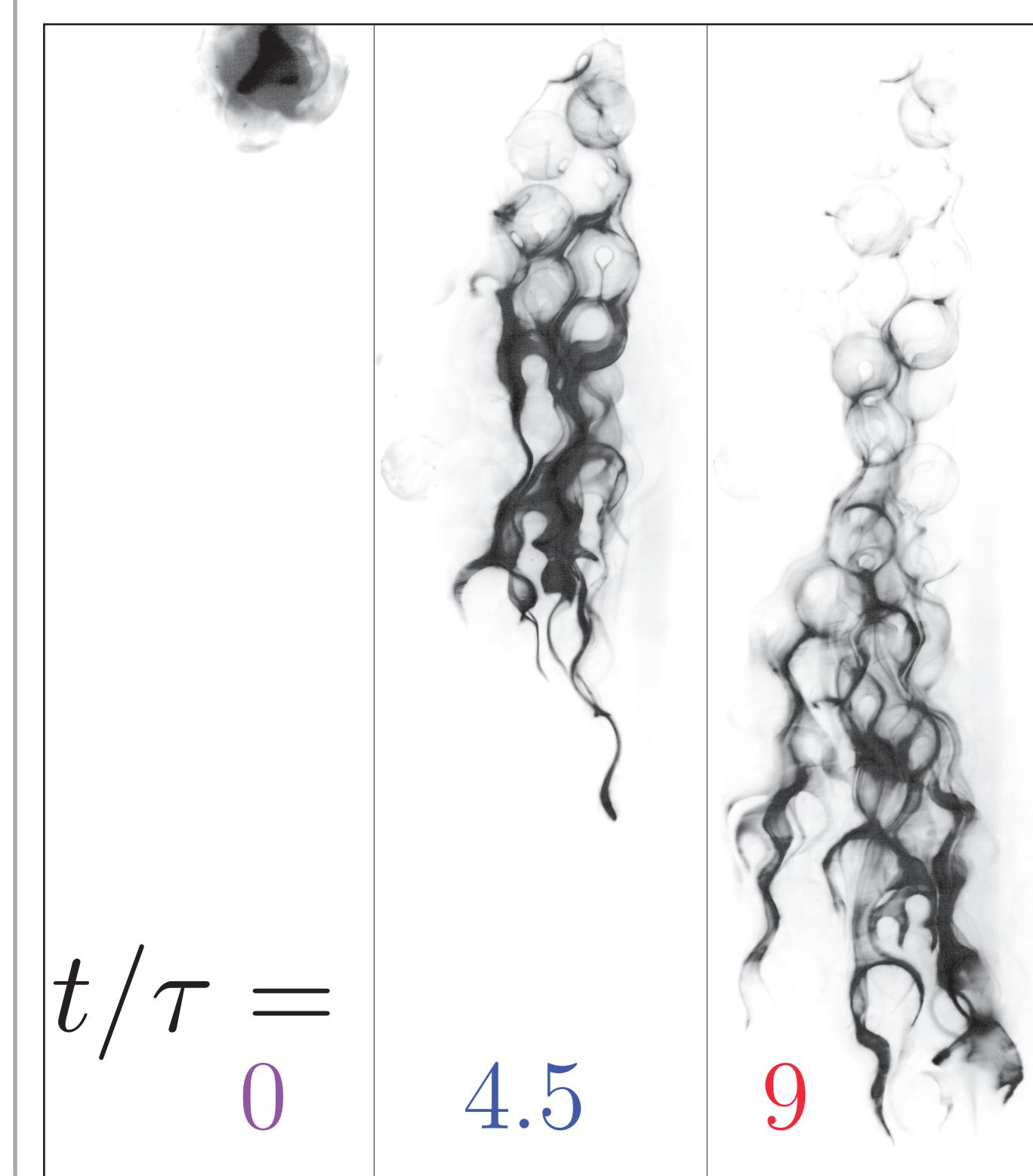
Mathieu Souzy^{2,3}, T. Leborgne², Y. Meheust², H. Lhuissier¹ & B. Metzger¹

¹Aix Marseille Université, CNRS, IUSTI UMR 7343, 13453 Marseille, France

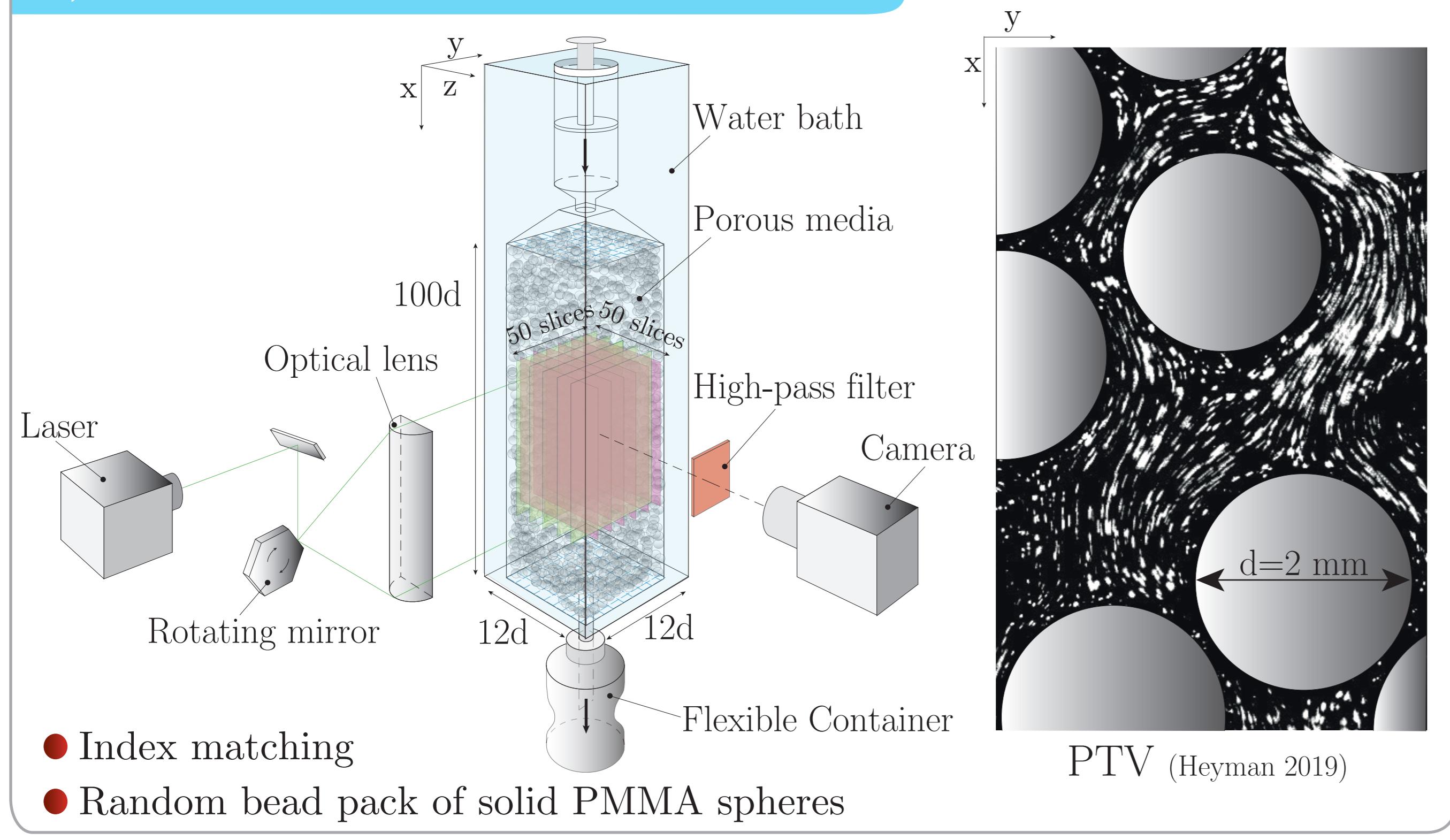
² Geosciences Rennes, UMR 6118 Université de Rennes 1, CNRS 35042 Rennes, France

³ INRAE, Aix Marseille Université, RECOVER, Aix-en-Provence, France

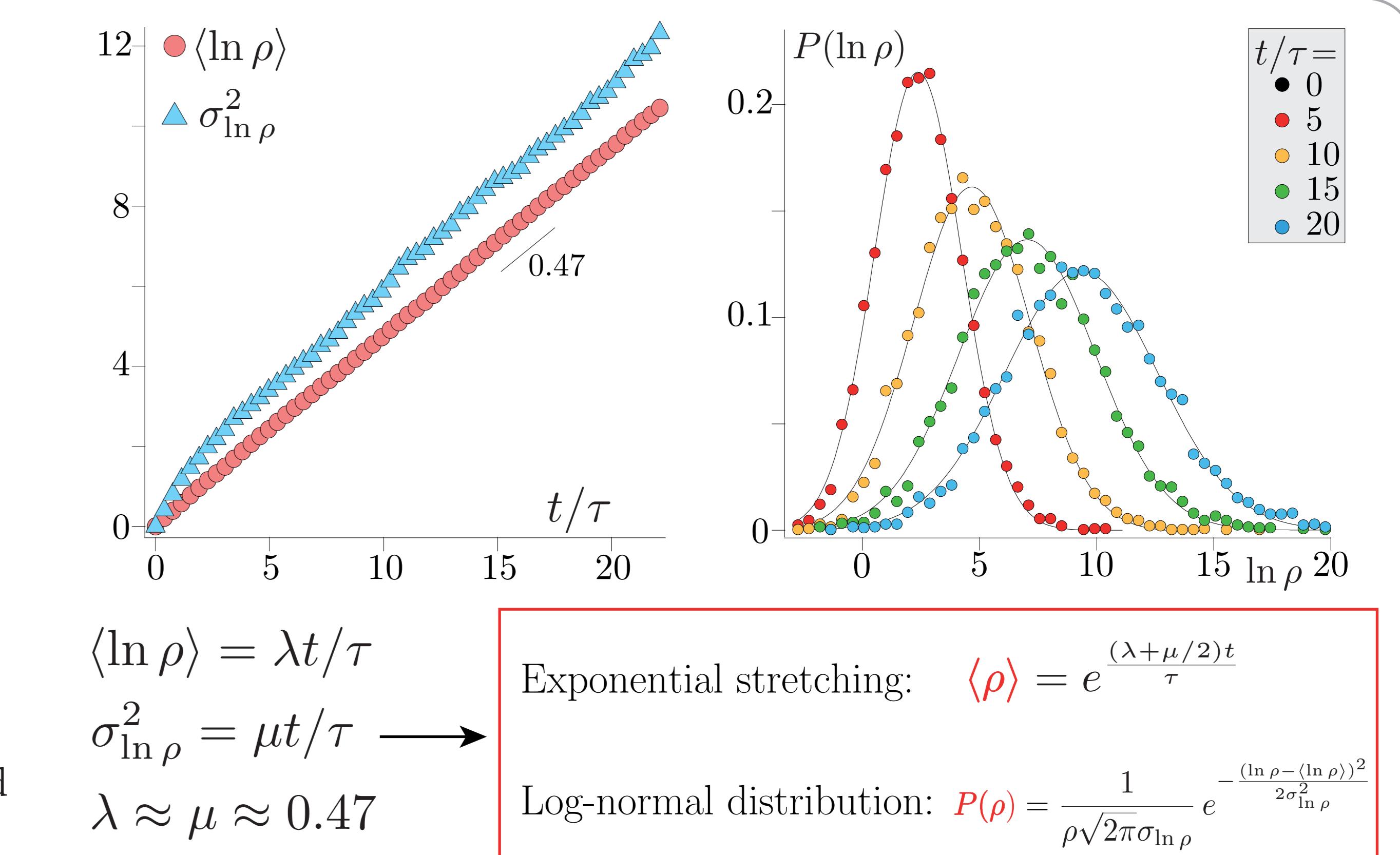
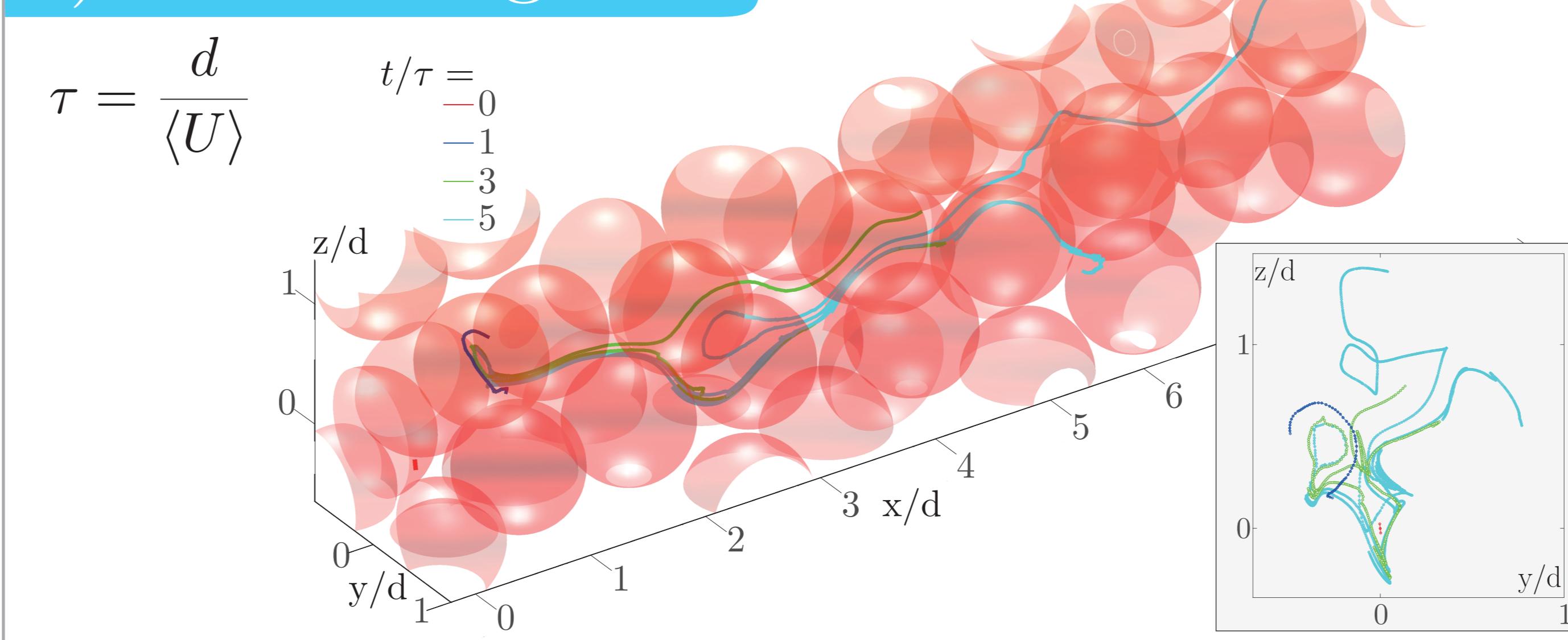
a) Mixing of a blob of dye in a porous media



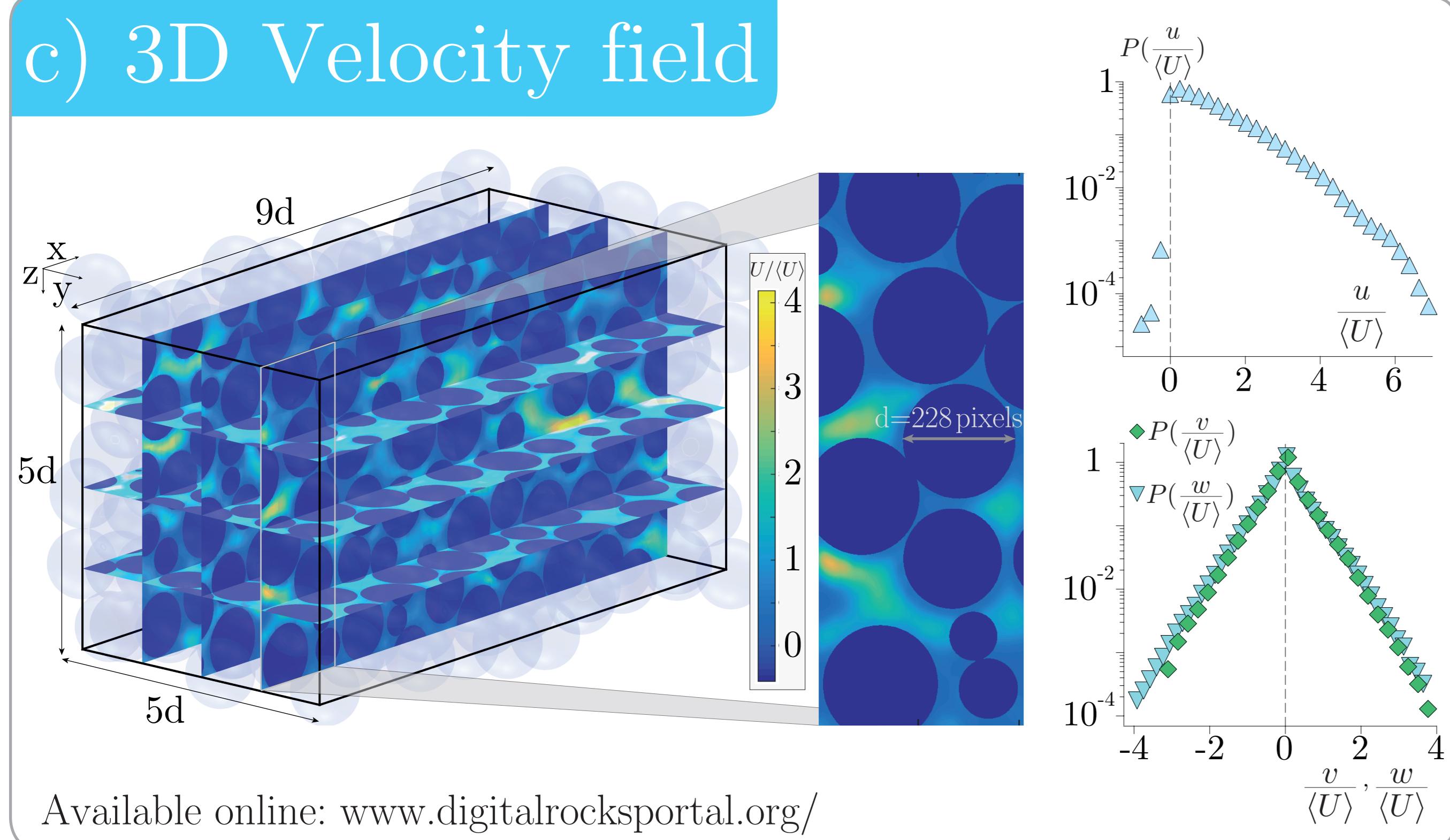
b) Experimental set-up



d) Stretching laws



c) 3D Velocity field



e) Dispersion laws

