ReadMe File for 'Dataset for Dielectric characterization of *Plasmodium falciparum* infected red blood cells using microfluidic impedance cytometry'

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The dataset contains the experimental data and Matlab codes needed to generate the figures of the article. In particular:

- "Figure3.mat" and "Figure3.m", corresponding to the experimental data and code, respectively, to plot Figure 3;

- "Figure4_S4_6hpi.mat", "Figure4_S4_12hpi.mat", "Figure4_S4_18hpi.mat", "Figure4_S4_24hpi.mat", "Figure4_S4_30hpi.mat", "Figure4_S4_36hpi.mat", "Figure4_S4_42hpi.mat", and "Figure4_S4.m", corresponding to the experimental data and code, respectively, to plot both Figures 4 and S4;

- "Figure6_S7_6hpi.mat", "Figure6_S7_12hpi.mat", "Figure6_S7_18hpi.mat", "Figure6_S7_24hpi.mat", "Figure6_S7_30hpi.mat", "Figure6_S7_36hpi.mat", "Figure6_S7_42hpi.mat" and "Figure6_S7.m", corresponding to the experimental data and code, respectively, to plot both Figures 6 and S7;

- "Figure7.m", containing the experimental data and code, to plot Figure 7;

- "FigureS1.mat" and "FigureS1.m", corresponding to the experimental data and code, respectively, to plot Figure S1;

- "FigureS3_TableS1.mat" and "FigureS3_TableS1.m", corresponding to the experimental data and code, respectively, to plot Figure S3 and construct Table S1;

- "FigureS5_6hpi.mat", "FigureS5_18hpi.mat", "FigureS5_30hpi.mat", "FigureS5_42hpi.mat" and "FigureS5.m", corresponding to the experimental data and code, respectively, to plot Figure S5;

- "FigureS6_6hpi.mat", "FigureS6_18hpi.mat", "FigureS6_30hpi.mat", "FigureS6_42hpi.mat" and "FigureS6.m", corresponding to the experimental data and code, respectively, to plot Figure S6;

- "TablesS5_S6.m", containing the experimental data and code, to construct both Tables S5 and S6;

Extract the ".mat" (data) and ".m" (code) to the same directory. Run the script files in Matlab 2016 (or later) to generate the plots corresponding to each figure.