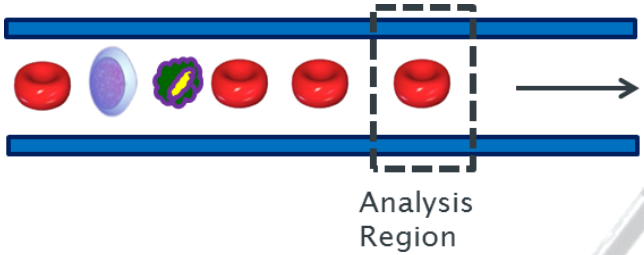
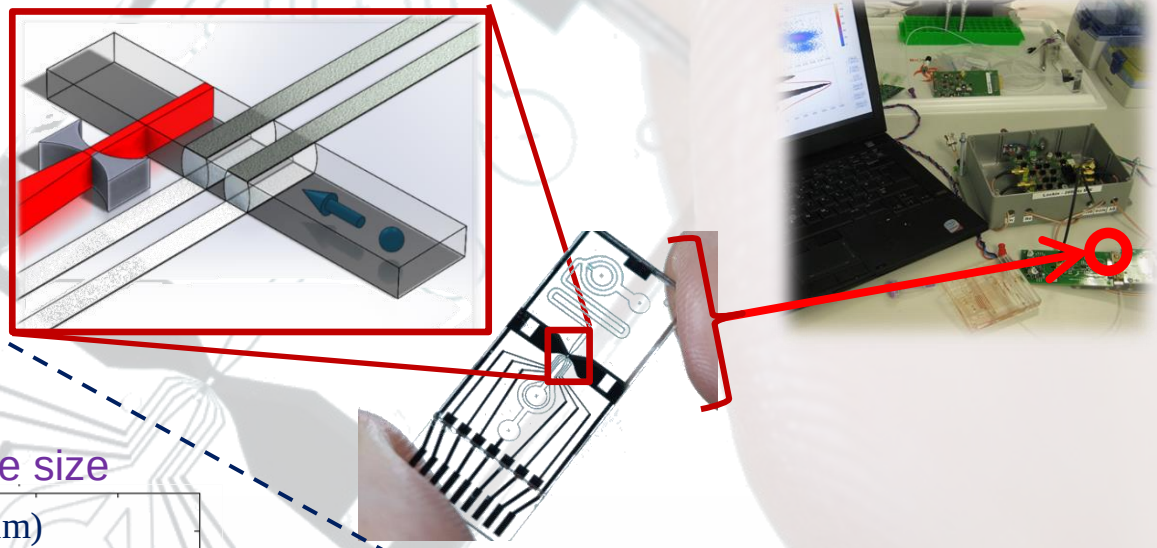
Daniel Spencer

Flow cytometry for environmental sensing

1. Flow cytometry

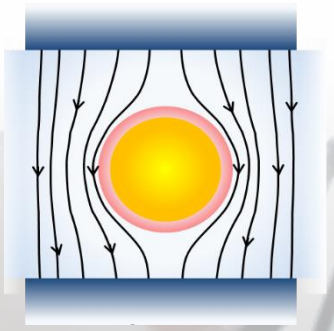


2. Miniature flow cytometry

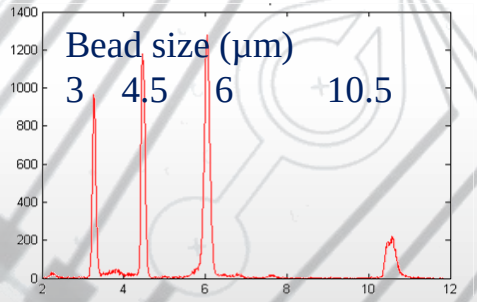


3. Electrical cytometry

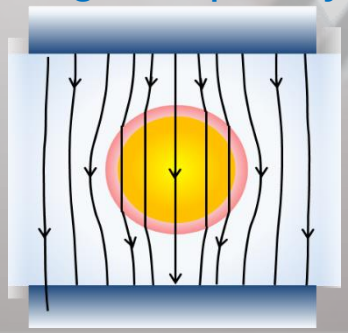
Low frequency



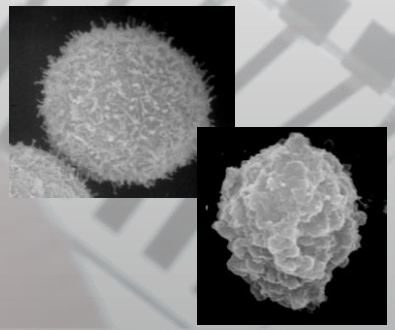
Accurate size



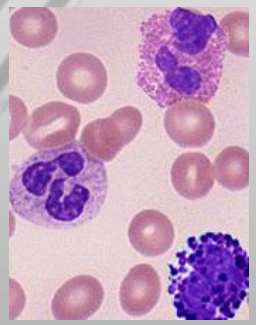
High frequency



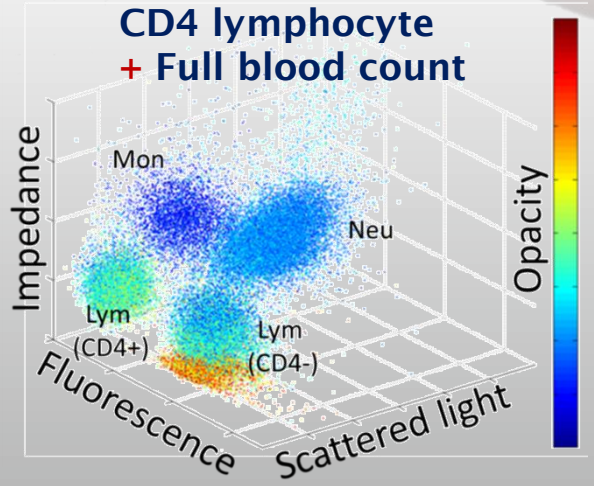
Membrane roughness



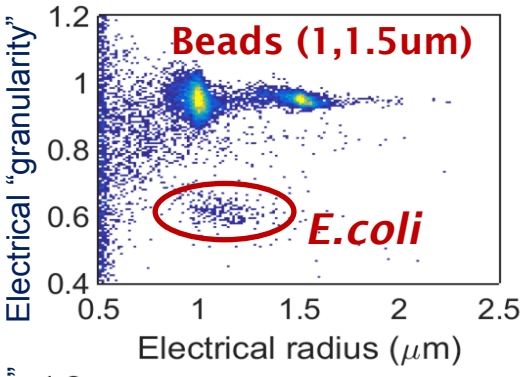
Internal complexity

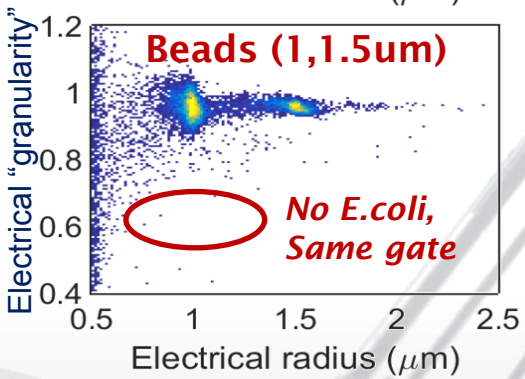


4. Electrical + light

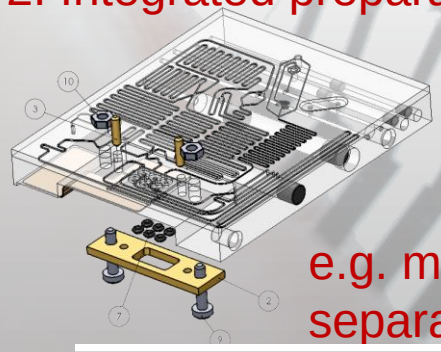


1. LoD- Bacteria

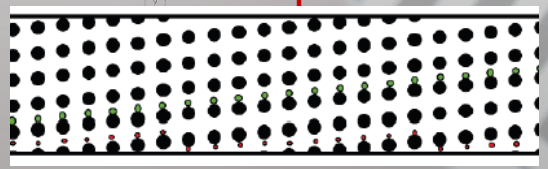




2. Integrated preparation



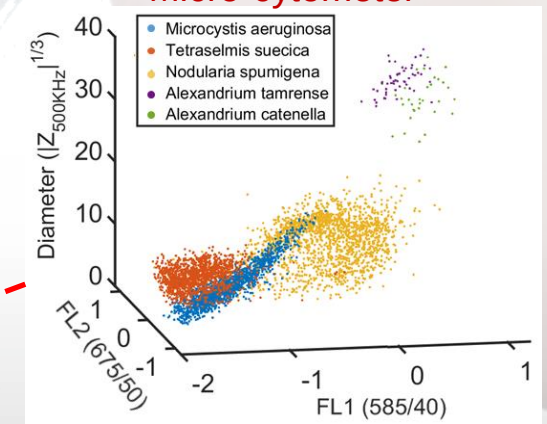
e.g. microfluidic separation array

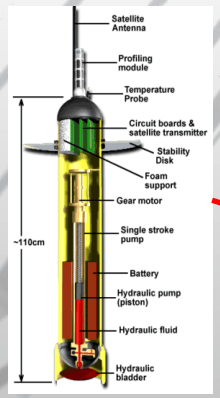


3. Harmful algal blooms

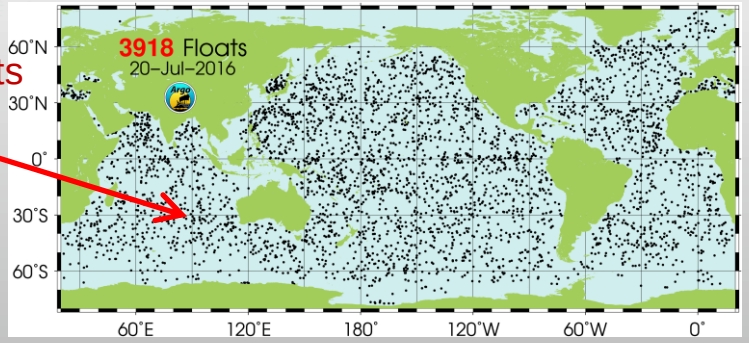
-need for continuous monitoring

Micro-cytometer





Argo floats



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