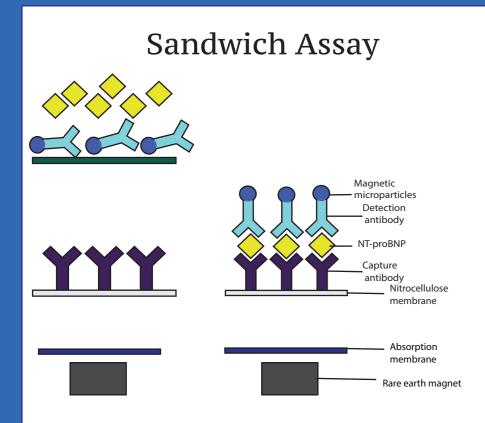


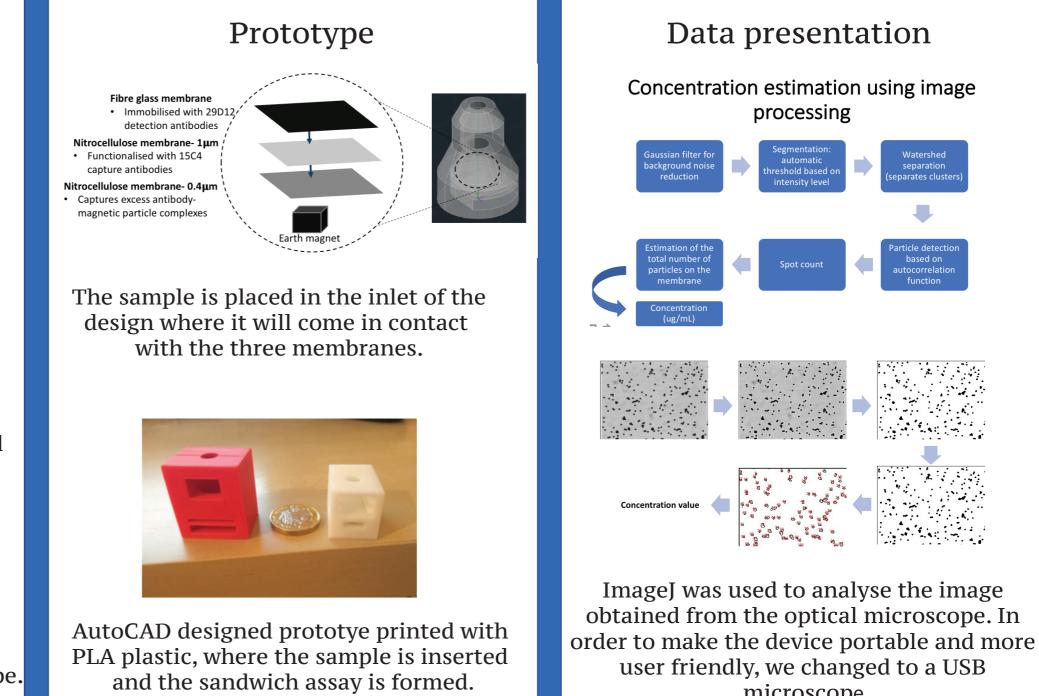
MagnUs

Biosensor to detect NT-proBNP molecule, a heart failure marker released in the blood



The detection antibodies are biotinylated with magnetic nanoparticles. The detection antibodies bind to NT-proBNP molecules present in the sample. The capture antibodies will bind to another epitope on the NT-proBNP. The unbound detection antibodies will pass through the filter as they are attracted by the rare earth magnet at the bottom of the prototype.

Imperial College London Team:



Aoife Keane, Maria Medeiros, Qien Li, Ignacio Medina Fernandez, Ekaterina Pchelintseva, David Garcia, Vanessa Ho, Caoimhe Canavan, Akashaditya Das, Amparo Guemes Gonzalez



microscope