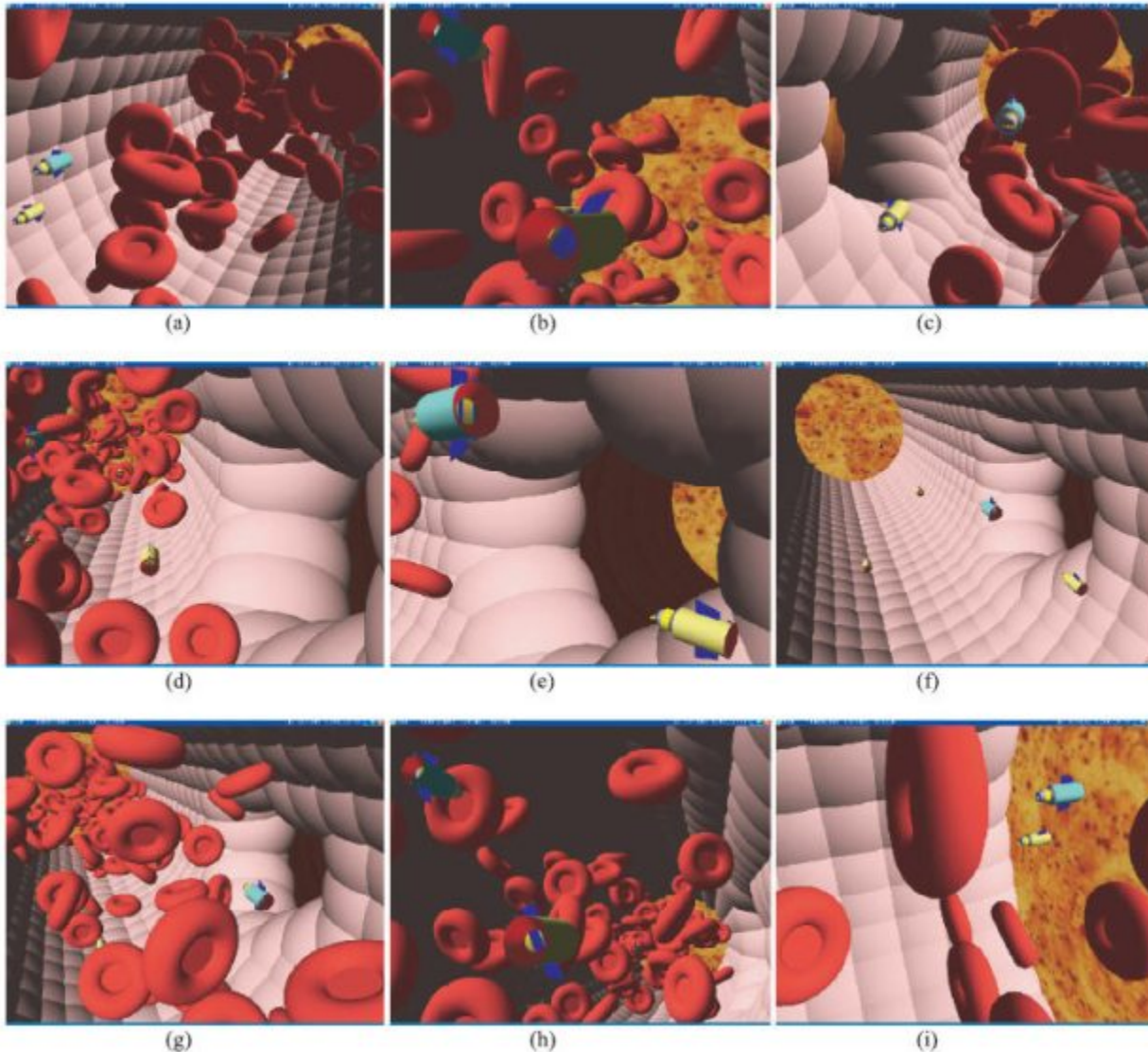


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by David Grober | October 12, 2009, 7:18am PDT | Image 3 of 8



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Nanorobot for Brain Aneurysm

A figure illustrating how nanorobots could be used to detect brain aneurysm: (a) the nanorobots enter the vessel and flow with the bloodstream (b) the nanorobots are moving through the vessel with the fluid (c) the aneurysm sacculular bulb begins to become visible at the vessel wall (d) nanorobots move closer to the vessel deformation (e) mixed with the plasma, NOS (nitric oxide synthase) signals can be detected as the chemical gradient changes, denoting proteomic overexpression (f) the same workspace viewed without red cells

(g) the nanobiosensor is activated as the nanorobots move closer to the aneurysm, emitting RF signals sent to the cell phone (h) as the nanorobots keep flowing, the chemical signals become weaker, deactivating the nanorobot transmission (i) red cells and nanorobots flow with the bloodstream until they leave the vessel.

The full story: [Nanorobot for Brain Aneurysm](http://blogs.zdnet.com/emergingtech/?p=1370)(<http://blogs.zdnet.com/emergingtech/?p=1370>)

(Credit: Adriano Cavalcanti)

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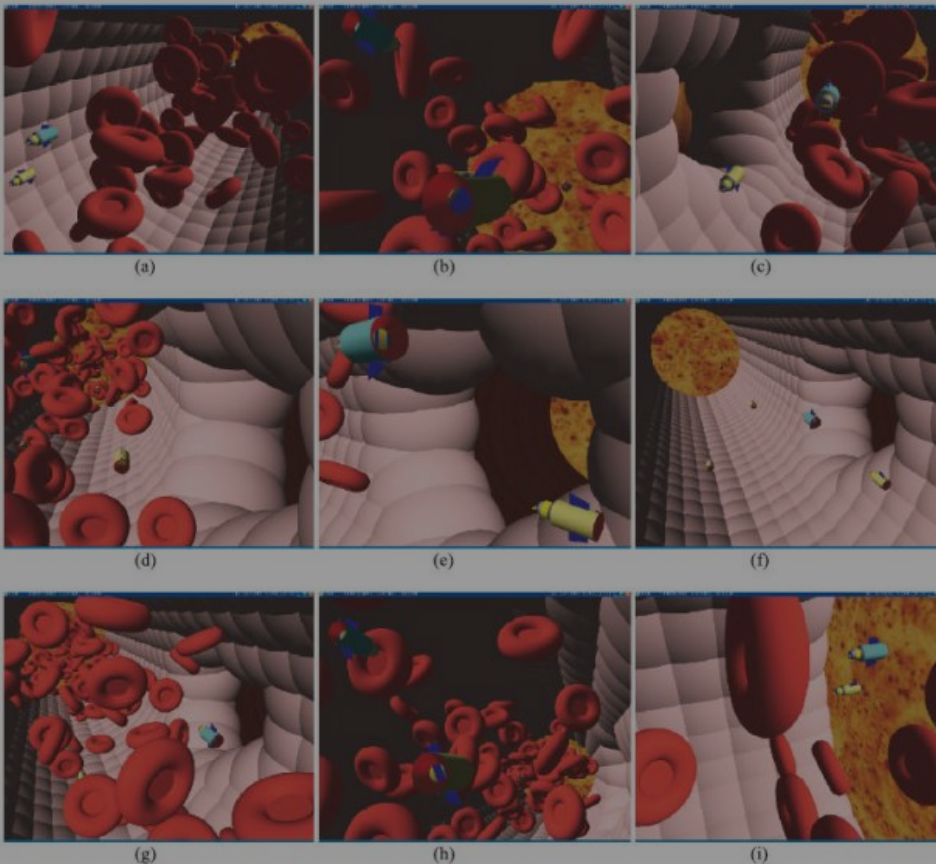
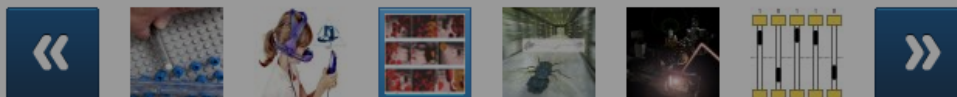
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