New Nano Dimensional Water Concept (Nano Water)

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The aim of the Nano Water concept is to use individual SWCNTs (1-2 nm in diameter) to confinement water in nanoscale. In this context, we aim to develop an original tool, the nanomechanical resonator, to study water confinement. Water transported through the carbon nanotube will have a better effect on the treatment of diseases associated with applications such as Aquaporin (heart and kidney failure). This idea will lead to the concept of flow in nanoscale, creating a new nanoscale fluid concept, as well as an opportunity for a highly efficient clean water supply.

Awards Won: