Non-covalent conjugate of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors

John J. Castillo^a, Tomas Rindzevicius^b, Leidy V. Novoa^c, Winnie E. Svendsen^b, Noemi Rozlosnik^b, Anja Boisen^b, Patricia Escobar^c, Fernando Martínez O.^a, Jaime Castillo-León^{b*}

Interaction of SWCNT-FA with a folate receptors negative cell line

For this experiment Vero cells (ATCC) which are cells isolated from the kidney of an African green monkey and do not over-express folate receptors were used. Vero cells were maintained in culture medium 1640 (Gibco) supplemented with 5% to SBFI 37° C, 5% CO₂ and 95% humidity and were incubated with SWCNT-FA with a concentration of 0.25 mg/mL during a period of 24, 48 and 72 hours.

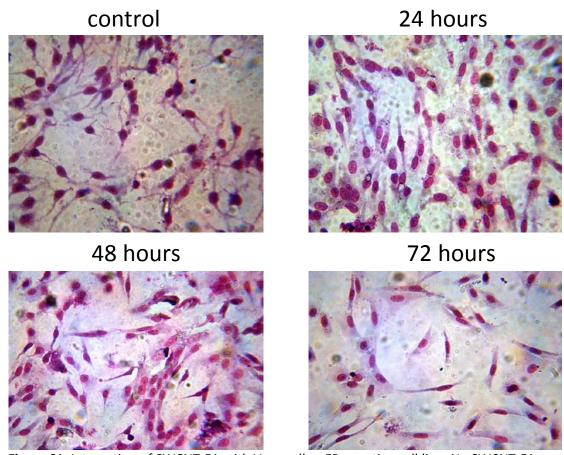


Figure S1. Interaction of SWCNT-FA with Vero cells a FR negative cell line. No SWCNT-FA was observed inside Vero cells.

^a Centro de Investigaciones en Catálisis, Universidad Industrial de Santander, Sede Guatiguará UIS Km 2 vía Refugio, Piedecuesta, Colombia

^b Department of Micro- and Nanotechnology, Technical University of Denmark, Lyngby 2800, Denmark, Tel: +45 4525 6837; E-mail: jaic@nanotech.dtu.dk

^c Centro de Investigaciones en Enfermedades Tropicales, Universidad Industrial de Santander, Sede Guatiguará UIS Km 2 vía Refugio, Piedecuesta, Colombia