























Table 4. Functionalized carbon nanotubes and graphene on Dendritic cells (DCs)

Material	Funzionalizations	Species	Model	Other cell types	Year	Reference
	DNA and siRNA functionalized		<i>In vivo In vitro</i> (RAW 264.7, Bone marrow DCs)	Macrophages	2006	Yang R et al. (Gene Therapy)
	Phospholipids [pro-apoptotic cargo (cytochrome c)]		<i>In vivo, ex vivo, in vitro</i> (RAW 264.7)	Macrophages, Brain microglia	2009	Konduru NK et al. (Plos One)
	Carboxylated		<i>Ex vivo, in vivo</i>	L. T	2011	Tkach AV et al. (ACS Nano)
	Primary amines conjugate with WT1Pep427		<i>Ex vivo</i>	L. T	2011	Villa CH et al. (ACS Nano)
	Negatively-charged		<i>Ex vivo, in vitro</i> [Hybridoma T cells (B3Z)]	L. T	2012	Tkach AV et al. (Small)
	Coated with polyvinylpyrrolidone (PVP)		<i>Ex vivo</i>	L. T, Macrophages	2013	Zhi X et al. (Biomaterials)
	Oxidized - benzoic acid functionalization and FITC		<i>In vivo, ex vivo</i>	Macrophages	2013	Yang M et al. (Small)

Legend	
	MWCNTs
	DWCNTs
	SWCNTs
	Carbon Nanohorns
	Graphene
	Graphene Oxide
	Mouse
	Human
<i>Italics</i>	<i>Articles that considered more than one type of cells</i>