Supplemental Table 9. Top Molecular & Cellular Functions Identified by IPA

Carbon Nanotube/Function	P value*	#**
SWCNT-COOH 500 pg/ml		
None	-	-
MWCNT-COOH 500 pg/ml		
Carbohydrate Metabolism	0.0000009-0.04	13
Protein Synthesis	0.000003-0.04	14
Cell Death	0.000008-0.04	29
Cellular Movement	0.00002-0.04	18
Energy Production	0.00003-0.03	6
MWCNT-PVP 500 pg/ml		
Protein Synthesis	0.0000000004-0.02	42
Post-Translational Modification	0.0000002-0.02	18
Protein Folding	0.0000002-0.00002	9
RNA Post-Transcriptional Modification	0.000001-0.02	17
Cell Death	0.000003-0.02	46
SWCNT-COOH 10 ug/ml		
Protein Synthesis	0.00001-0.03	9
Cell Cycle	0.001-0.05	4
Cell Morphology	0.001-0.04	4
Cellular Assembly & Organization	0.001-0.05	5
Cellular Development	0.001-0.05	7
MWCNT-COOH 10 ug/ml		
Protein Synthesis	0.000000007-0.04	20
Cell Death	0.00008-0.05	26
Cellular Assembly & Organization	0.0001-0.05	26
Cell Morphology	0.0003-0.05	21
Cellular Function & Maintenance	0.0003-0.05	19
MWCNT-PVP 10 ug/ml		
Lipid Metabolism	0.00009-0.05	12
Small Molecule Biochemistry	0.00009-0.05	19
RNA Post-Transcriptional Modification	0.0001-0.002	6
Energy Production	0.0004-0.02	6

A minimum number of 3 proteins were required per function for inclusion. Shaded areas denote commonality across f-CNTs (see Venn diagram in Figure 9 of text).

*P value shows the range of probability that the differentially expressed proteins in that group are associated with this function by chance

**# refers to the number of differentially expressed proteins that are significantly associated with that particular function