Reviewer 1

1. Please add a typical morphology characterization diagram of carbon nanotubes.

We have added a typical morphology characterization diagram to the manuscript as Figure 1.

2. Please list the animal models used in toxicology studies mentioned in the literature.

We have added a brief summary of all of the studies cited in the manuscript in newly added Tables 1,2,3,4,5. These tables include the animal models used in the studies.

3. Please list the specific results of toxicological studies obtained from the literature and compare them, especially the conflicting results.

The Tables added list the specific results of the cited studies.

4. It is recommended to draw a diagram to illustrate the toxicological signaling pathways obtained from the literature.

A brief summary of the toxicological signaling pathways has been added to the manuscript as Figure 2.

5. More perspective content should be added to the summary.

This goal of this review is to cite studies assessing the toxicity of MWCNTs in experimental animals and to determine if these studies support the reassessment of the carcinogenicity MWCNTs in experimental animals. We concluded that carcinogenicity MWCNTs in experimental animals should be reassessed. Please note that our expertise is with animal experiments: for example Hiroyuki Tsuda was an IARC Monograph 111 working group member. Therefore, it would be greatly appreciated if the reviewer would be more specific as to what content should be added to the Conclusions section.