

# **propositions**

belonging to the thesis

## **Trace and Treat: Biodistribution and therapeutic potential of radiolabeled molecular and molecular carriers**

1. Modified peptides showing reduced receptor affinity in vitro might still be successfully employed in vivo.
2. A more personalized treatment planning based on physical and biological tumour characteristics with a dose-response model is crucial for improvement of therapeutic efficacy.
3. Intratumoral injection is a promising method for local application of radiolabeled polymers that show poor Enhanced Permeability and Retention effect.
4. The radiolabeling of PS-b-PEO aggregates bypasses the covalent attachment of a chelating agent and allows for a facile and fast method for labeling nanoparticles.
5. Improvements in the distribution of PS-b-PEO supramolecular aggregates in vivo are strongly correlated with specific combinations of size and dose of administered aggregates.
6. Any answer is meaningless if the question is not understood well.
7. Things are not intrinsically easy or difficult: there are things we master and things we do not
8. Without data you are just another person with an opinion. W. Edwards Deming
9. In theory there is no difference between theory and practice. In practice, there is
10. “There are contexts in which what is happening in the whole cannot be deduced from the characteristics of the separate pieces, but conversely; what happens to a part of the whole is, in clear-cut cases, determined by the laws of the inner structure of its whole”  
Max Wertheimer
11. Fatti non foste per viver come bruti/ma per seguir virtute e canoscenza [You were not made to live as brutes, but to follow virtue and knowledge]” Inferno Commedia, Canto XXVI, Dante Alighieri