

# PROPOSITIONS

belonging to the thesis

## NOVEL STRATEGIES TO OPTIMIZE TARGETED MOLECULAR IMAGING AND THERAPY

Jeffrey Paul Norenberg, Rotterdam, May 29<sup>th</sup> 2013

1. High linear energy transfer (LET) radionuclide somatostatin-receptor targeted therapy is significantly more potent than low LET radionuclide therapy.
2.  $^{213}\text{Bi}$ -DOTATOC peptide receptor radionuclide therapy of neuroendocrine tumors is safe and effective.
3. Somatostatin-receptor targeting of  $^{177}\text{Lu}$ -[DOTA<sup>0</sup>-Tyr<sup>3</sup>]-octreotide is enhanced by gemcitabine pre-treatment.
4. Lymphocyte function-associated antigen 1 (LFA-1) is a viable target for molecular imaging and therapy.
5. Preclinical models of drug delivery predict drug effects in man.
6. Pharmacokinetics predispose pharmacodynamics.
7. The accurate determination of the input function is paramount to characterization of drug disposition.
8. All substances are poisons; there is none which is not a poison. The right dose differentiates a poison and a remedy. Paracelsus ca. 1493-1541.
9. Among elite French athletes, the lowest prevalence of general anxiety disorder is found in those participating in high-risk sports. PLoS One. 2011 May 4;6(5):e19007.
10. A gambler is never a loser until and unless they stop gambling.