

Cover Page



Universiteit Leiden



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**Title:** Interventional molecular imaging, a hybrid approach

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## Stellingen

behorend bij het proefschrift

### **Interventional molecular imaging, a hybrid approach**

- 1 Use of molecular imaging and in particular intraoperative image guidance will improve surgical accuracy of minimal invasive procedures. - This Thesis
- 2 Hybrid imaging agents, which contain both a radioactive and fluorescent label, have great potential for combined use in surgical planning and intraoperative fluorescence guidance toward the sentinel lymph node. - This Thesis
- 3 CXCR4 is a candidate biomarker for evaluating cancer progression and can potentially be used for selection and/or monitoring of treatment strategies. - This Thesis
- 4 In an ideal situation, target selection and follow-up are conducted using one and the same imaging agent. - This Thesis
- 5 Imaging plays critical roles before, during and after each diagnostic and therapeutic procedure. - Salomon and Silverman. Radiology. 2010
- 6 Interventional molecular imaging is becoming one of the frameworks for bringing imaging from benches and small-animal laboratories to clinical applications. - Adapted from Yang et al. Radiology. 2010
- 7 Multimodality imaging benefits from the complementary information provided by the imaging modalities, whereas the use of a combined probe poses the challenge of demonstrating optimal imaging characteristics without compromising the information obtained with both modalities. - Boerman and Oyen. J Nucl Med. 2008
- 8 Non-invasive biomarker imaging using single-photon computed tomography (SPECT) and positron emission tomography (PET) could be a strategy to determine biomarker expressing tumor lesions, including inaccessible distant metastasis. - Adapted from Dijkers et al. Clin Pharm Ther. 2010
- 9 You can't depend on your eyes when your imagination is out of focus. - Mark Twain
- 10 Science never solves a problem without creating ten more. - George Bernard Shaw