

THE APPLICATION OF RADIOTRACERS FOR THERANOSTIC USE IN BREAST CANCER

1. The application of GRPR and SSTR2 radioligands is most suited for targeting of ER-positive breast cancers - *this thesis*
2. *GRPR*, *SSTR2* and *CXCR4* mRNA expression levels in primary breast cancer are similar to those in corresponding metastasis in the majority of cases - *this thesis*
3. Radiolabeled SSTR2-antagonists have a better therapeutic efficacy than radiolabeled SSTR2-agonists - *this thesis*
4. Increasing the administered peptide amount of radiolabeled peptide analogs can tune the biodistribution of the radiotracer - *this thesis*
5. GRPR is expressed at higher frequency, with higher density and more homogenously than SSTR2 in breast cancer - *this thesis*
6. On the road to improving nuclear medicine, molecular biology plays an important role as this specialty gives us a better understanding of how, when, and in whom to successfully apply nuclear based imaging and therapy
7. Support for translational research must be accompanied by a robust investment in basic science - *Ferric Fang and Arturo Casadevall*
8. In the spirit of science, there really is no such thing as a ‘failed experiment’. Any test that yields valid data is a valid test - *Adam Savage*
9. Research is to see what everybody else has seen, and to think what nobody else has thought - *Albert Szent-Gyorgyi*
10. Nothing in life is to be feared, it’s only to be understood. Now is the time to understand more, so that we may fear less - *Marie Curie*
11. Being a scientist means living on the borderline between your competence and your incompetence. If you always feel competent, you aren’t doing your job - *Carlos Bustamante*