

# Experimental Thesis on “ Bioactive Peptide-Drug Conjugates and Liposomal Anticancer Drug Delivery in NeuroEndocrine Tumors (NETs) : Neurotensin and the (NT/NTSR) receptor system .

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## ABSTRACT

Breast cancer is a very important problem for women in the world, where cancer prevalence is gradually increasing. Breast cancer accounts for 23% of all cancer cases and 14% of deaths due to cancer among women.(1) Many advances in cancer diagnosis and treatment have, of course, reflected on breast cancer. In fact, it would not be wrong to say that breast cancer is one of the pioneers of this development. The chance of success in treating breast cancer is directly related to how early the cancer is caught. When detected at an early stage, the 5-year survival rate can reach 96 percent. Breast cancer treatment is done according to the stage of breast cancer and the current health status of the patient.(2)Although the priority in the treatment is the protection of the breast tissue, the breast tissue can be completely removed with the mastectomy procedure when necessary. After surgery, radiotherapy and chemotherapy may be required.(3) In studies, the preliminary results of which have been recently reported, biological agent combinations, including trastuzumab, will have an important place among the treatment strategies that will be determined according to the molecular properties of tumors in the future.(4) In parallel with the development of nanotechnological methods, reconstructing or newly discovered drugs can be applied like a guided missile, targeting only cancer cells, without damaging living cells, will be a very important step in cancer treatment strategies in the near future. (5). Our longer-term goal is to map each cancer separately and to treat it with the cancer-specific treatment method that each patient carries. In this way, it will be possible for each patient to create a three-dimensional information technology network that includes the genetic characteristics of cancer, the prevalence of the disease in the body, its stage and treatment features. If we can take this one step further, thanks to the international information sharing, it will be possible for each patient to have the opportunity to easily access special treatments for him / her, no matter where they are, together with their physician.

## Biography

La fondazione dell'Università di Napoli Federico II risale alla generalis licentia dell'Imperatore svevo del 5 giugno 1224. Dall'anno accademico 2013/2014 è in vigore il nuovo Statuto e l'Ateneo oggi si compone di 4 Scuole e 26 Dipartimenti, sono quindi scomparse le Facoltà. Le Scuole si dividono in Scuola delle Scienze Umane e Sociali, Scuola delle Scienze e delle Tecnologie per la Vita, Scuola di Medicina e Chirurgia e Scuola Politecnica e delle Scienze di Base, e includono 13 Aree Didattiche ripartite in Area didattica Agraria, Area didattica Architettura, Area didattica Economia, Area didattica Farmacia, Area didattica Giurisprudenza, Area didattica Ingegneria, Area didattica Medicina e Chirurgia, Area didattica Medicina Veterinaria, Area didattica Scienze Biotecnologiche, Area

didattica Scienze MM.FF.NN., Area didattica Scienze Politiche, Area didattica Sociologia e Area didattica Studi umanistici. L'Università ha anche 42 Centri di ricerca e di servizio e 2 Orti botanici. L'Ateneo conta 108 biblioteche di cui una telematica e 12000 postazioni informatiche. Attualmente l'offerta formativa propone 144 Corsi di Laurea, 86 Master Universitari, 80 Dottorati di Ricerca, 61 Scuole di Specializzazione e 65 Corsi di Perfezionamento..

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