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Immunological aspects of conventional and new treatments for cervical cancer, an immunopharmacological approach

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Stellingen behorende bij het proefschrift:

IMMUNOLOGICAL ASPECTS OF CONVENTIONAL AND NEW TREATMENTS FOR CERVICAL CANCER, AN IMMUNOPHARMACOLOGICAL APPROACH

- 1 The normalization of abnormally high numbers of circulating myeloid cell levels, induced by cytotoxic treatment with carboplatin and paclitaxel, is one of the mechanisms of action of these chemotherapeutic compounds. (*this thesis*)
- 2 A potential strategy to achieve successful combination therapy for cervical cancer consists of the induction of an effective anti-tumor response by available vaccines, combined with immune modulators that affect myeloid cell subsets. (*this thesis*)
- 3 As conventional, non-bone marrow sparing (chemo)radiotherapy profoundly suppresses the immune system in cervical cancer patients, studies on the immunological effects of bone marrow sparing radiotherapy should be made, especially when used in combination with immunotherapy (*this thesis*)
- 4 Before standard conventional cancer treatments and immunotherapy can successfully be applied in cervical cancer, a considerable challenge relies in overcoming immunosuppression and optimizing delivery and dosing strategies of all therapies. (*this thesis*)
- 5 Within the identification of effective new immunotherapeutic strategies and combinations of treatments, the selection of patients in higher risk categories for recurrent cervical cancer is crucial to achieve that such treatments prevent recurrent disease. (*this thesis*)
- 6 Before new cancer treatments based on combinations of standard therapeutic modalities and immunotherapy are implemented into the clinic, detailed understanding of mode of (inter)action mechanisms is essential.
- 7 There are a few moments in a scientist's life in which you have the impression to discover some light at the end of the tunnel, in which you scratch the surface of a problem and you see a solution: far away, uncertain but possible. (*Guido Kroemer, Cancer: Defeating the Immortal. Cancer Biology & Therapy, 2007, 6:8, 1130-134*)



- 8 As an increasing number of compounds affecting the immune system is reaching the clinic, (future) clinical pharmacologists should expand their traditional pharmacology knowledge with fields such as immunology and immuno-pharmacology to guard safety and well-being of subjects participating in clinical trials.
- 9 For a research physician, making successful combinations is an continuous challenge; combining conventional with new therapies, research and clinical work, and above all, work and private life.
- 10 The highlights of tomorrow are the unpredictabilities of today (*Cesar Milstein, Nobel Lecture for the Nobel Prize in Physiology or Medicine, 1984*)
- 11 As 10% of conflicts is due to difference in opinion and the remaining 90% is due to wrong tone of voice (author unknown), one should every now and then remember the French phrase 'C'est le ton qui fait la musique'.
- 12 De meest bevlogen artsen zijn diegenen die, ondanks dat ze door de werkomstandigheden weinig thuis zijn, in staat zijn om met passie en enthousiasme het vak aan zijn of haar kinderen over te dragen opdat zij uiteindelijk voor hetzelfde beroep zullen kiezen. (*geïnspireerd door mijn vader*)
- 13 It can take but a lifetime to paint like a child. (after *Pablo Picasso, 1931*)

