

PAMPering immune responses : spotlight on helper cells for dendritic cell vaccination

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PROPOSITIONS

belonging to the dissertation entitled

PAMPering immune responses

Spotlight on helper cells for dendritic cell vaccination

Tammy Oth

Maastricht, 18th December 2015

1. The capacity of mature dendritic cells to produce IL-12p70 is positively correlated with their potential to interact with helper cells. (*this dissertation*)
2. Selection of defined pattern recognition receptor triggers is a potent way to generate high IL-12p70-producing dendritic cells *ex vivo*. (*this dissertation*)
3. Natural killer cells can act as amplifiers of dendritic cell-induced immune responses against pathogens. (*this dissertation*)
4. The patient tumour microenvironment is a relevant factor to consider when taking dendritic cell-based vaccines from bench to bedside. (*this dissertation*)
5. Combination therapies will be the future anti-cancer treatment regimens.
6. Defining new release criteria for *ex vivo*-matured dendritic cells will help to increase their *in vivo* potency by ensuring better interaction with different immune effector cells.
7. 'The two most powerful warriors are patience and time.' (*Leo Tolstoy*)
8. 'Nothing is permanent except change.' (*Heraclitus*)
9. 'When you get to the end of your rope, tie a knot in it and hang on.' (*Franklin D. Roosevelt*)