

HLA-DP and HLA-E : targets for transplantation immunity

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HLA-DP and HLA-E: Targets for Transplantation Immunity

Nina Lauterbach

Maastricht, 17 januari 2014

1. The alpha chain of HLA-DP plays a more important role in inducing immune responses than previously was assumed (this thesis).
2. HLA-DP directed alloreactivity is triggered by a combination of epitopes in the peptide binding groove of both the alpha and beta chain (this thesis).
3. Dependent on the peptide sequence, HLA-E plays a major role as an inhibitory or activating ligand in modulating the immune response (this thesis).
4. NKG2C expressing NK cells could be used as a new therapeutic strategy for treating viral infections (this thesis).
5. HLA-E genotypes are relevant markers for the prediction of GVHD and infections following stem cell transplantation (this thesis).
6. Patient outcome after stem cell transplantation is influenced by MHC polymorphism in the regions outside the classical HLA genes, however many of these variations remain undetected with conventional HLA typing (*E. Petersdorf, Blood, 2013*).
7. We are better at seeing the details of the trees, but we sometimes lose sight of the fact that those trees are just one part of an extraordinary forest. Therefore, we must think broadly about immunity as a complex, interactive system (*P. Doherty, Annu. Rev. Immunol, 2007*).
8. A fool thinks himself to be wise, but a wise man knows himself to be a fool (*William Shakespeare*).
9. PhD study: Getting excited about insignificant significance (PhD comics).
10. FACS analyse: Is toch gewoon een beetje naar puntjes kijken (*F. Palusci*).