**CONCLUSIONS**

- Healthy donors show Th1 responses to Modi-1 peptides and share a common HLA allele, HLA-DP4
- Th1 responses to Modi-1 peptides can be stimulated in HLA-DP4 and HLA-DP4 transgenic mice in combination with TLR agonists
- IL-10 responses to Modi-1 peptides are rapidly stimulated in the absence of costimulation (IFA) suggesting a pre-existing response but this does not protect against tumour challenge
- Combination of Modi-1 peptide with TLR agonist polarises a Th1 response and provide efficient tumour therapy in melanoma, pancreatic, lung and ovarian cancer models
- Citrullinated vimentin is expressed by ovarian and TNBC tumours suggesting them as suitable targets for the Modi-1 vaccine

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**Ovarian and TNBC tumours express citrullinated vimentin**

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**References:**