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Immune checkpoint pathways in the ageing immune system and their relation to vasculitides Hid Cadena, Rebeca

DOI:

10.33612/diss.112111572

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Document Version Publisher's PDF, also known as Version of record

Publication date: 2020

Link to publication in University of Groningen/UMCG research database

Citation for published version (APA):

Hid Cadena, R. (2020). Immune checkpoint pathways in the ageing immune system and their relation to vasculitides. [Thesis fully internal (DIV), University of Groningen. University of Groningen. https://doi.org/10.33612/diss.112111572

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STELLINGEN

Behorende bij het proefschrift

IMMUNE CHECKPOINT PATHWAYS IN THE AGEING IMMUNE SYSTEM AND THEIR RELATION TO VASCULITIDES

- 1. Loss of immunoinhibitory signaling in Giant Cell Arteritis renders the vessel wall susceptible to inflammation. (This thesis)
- 2. Collaboration between rheumatologists and oncologists is essential to monitor the incidence of auto-immune related immunotoxicity caused by the increasing use of immune checkpoint inhibitor therapy. (This thesis)
- 3. Differences in immune checkpoint expression imposed by sex and age should prompt further research into a better understanding of age-and gender related diseases. (This thesis)
- 4. Increased negative immune checkpoint expression in Granulomatosis with polyangiitis may reflect a compensatory mechanism to down regulate persistent T cell activation. (This thesis)
- 5. Harmful T helper cell responses in Giant Cell Arteritis are in part due to VISTA deficiency (This thesis)
- 6. Collaboration between immunologists and computational scientists is of key importance to advance our understanding of the multiple alterations in the immune system and how these contribute to disease. (This thesis)