

Stellingen behorend bij het proefschrift:
Propositions associated with the thesis:

Adaptive Immunity In Different Pulmonary Hypertension Subgroups

Denise van Uden

1. The presence of CCR6⁺ T cells in vascular lesions and peripheral blood of patients with chronic thromboembolic pulmonary hypertension (CTEPH) supports their involvement in disease pathogenesis (*this thesis*)
2. Inflammatory signatures can be used to cluster pulmonary hypertension (PH) patients in WHO classification-independent subgroups and to correlate these with patient survival (*this thesis*)
3. Circulating T cells of idiopathic pulmonary artery hypertension (IPAH) and CTEPH patients have a unique T cell phenotype characterized by a reduced cytokine-producing capacity (*this thesis*)
4. The presence of dendritic cells (DCs) in close proximity to CD8⁺ T cells in the lungs of IPAH patients, together with the development of PH in the *Tnfrifp3^{DNGR1-KO}* mouse model, supports an important role for local type 1 conventional DCs in PH (*this thesis*)
5. Serum levels of the chemokines CXCL9 and CXCL13 separate sarcoidosis patients that develop PH from sarcoidosis patients that do not develop PH (*this thesis*)
6. It is likely that specific characteristics rather than an increased abundance of particular cell types is important for disease progression in PAH (*Marsh et al., European Respiratory Journal, 2018*)
7. In rare conditions such as CTEPH, new genetic insights and basic scientific progress can be achieved only by international collaborations establishing accessible biobanks and biorepositories of large number of patients (*Delcroix et al., European Respiratory Journal, 2021*)
8. As life expectancy increases for patients with PAH, it is important that patients work with healthcare professionals to develop treatment strategies that improve and maintain quality of life (*Ferrari & Skåra, European Heart Journal, 2019*)
9. Immunity is a workable platform for precision phenotyping in PAH, an approach that warrants particular attention as therapies targeting inflammation emerge (*Sweatt et al., Circulation Research, 2020*)
10. The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them (*Sir William Bragg*)
11. De omgeving van de mens is de medemens (*Jules Deelder*)