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Neuroimmune guidance cues for vascular health

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Stellingen behorend bij het proefschrift getiteld Neuroimmune Guidance Cues for Vascular Health

1. “Taken together, NGCs are intrinsically involved in endothelial pathophysiology...” (This thesis/Ch2)
2. “As a shear-inducible secretory factor, SEMA3F is essential for the endothelial barrier function and is able to regulate monocyte migration.” (This thesis/Ch3)
3. “NTN4 is important in prevention of endothelial cells from pathophysiological consequences in endothelial cells, such as decreased regeneration capacity and endothelial dysfunction.” (This thesis/Ch4)
4. “Regulation of NGCs in monocyte-to-macrophage differentiation fits the functional adaption that is necessary for the specialized role of macrophages.” (This thesis/Ch5)
5. “...Machine-learning methods could be applied to the prediction of disease outcomes using the expression of a set of functional genes in circulating cells...” (This thesis/Ch6)
6. “Maintenance of a quiescent and organotypically-differentiated layer of blood vessel-lining endothelial cells (EC) is vital for human health.” (Katharina Schlereth, et al., *Computational and Systems Biology Developmental Biology*, 2018)
7. “The striking parallels between the vertebrate vascular and nervous systems are readily apparent even on casual observation.” (Brant M. Weinstein, *Cell*, 2005)
8. “...differences in gene regulation, rather than protein-coding sequences, might primarily explain differences in physiology and behavior between humans and chimpanzees.” (Adam Siepel and Leonardo Arbizu, *Curr Opin Genet Dev*, 2014)
9. All models are wrong; some are useful. (Adapted from McCullagh, P. and Nelder, J.A., *Generalized Linear Models*, 1989)
10. *Confucius* agreed with *Tien* that best way of living/working could be better described with a status of purely enjoyment of daily things, but not goals or policies. (Adapted from *Analects:BOOK XI:Comparative Worth of His Disciples*, 479 BC)