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## **Modulation of the inflammatory response following myocardial infarction**

Pluijmert, N.J.

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## Stellingen

*behorende bij het proefschrift*

### **Modulation of the inflammatory response following myocardial infarction**

1. Modulation and timely suppression, rather than complete elimination, of the post-ischemic inflammatory response will limit adverse cardiac remodeling and improves outcome. (this thesis)
2. Human recombinant AnxA5 exhibits therapeutic potential by suppressing the inflammatory response, attenuating adverse LV remodeling, and improving cardiac function following myocardial ischemia-reperfusion injury. (this thesis)
3. Phosphorylcholine antibodies attenuate the inflammatory response and limit adverse cardiac remodeling following myocardial ischemia, and moreover preserve cardiac function upon ischemia-reperfusion injury. (this thesis)
4. Selecting appropriate and validated pre-clinical experimental models resembling the contemporary clinical outcome will provide better predictive value and successful translation into clinical practice. (this thesis)
5. Targeting of innate immunity in atherogenesis is reaching clinical maturity. (Libby P, et al. *J Am Coll Cardiol* 2018;72:2071-2081)
6. Monocytes and macrophages are innate immune cells that reside and accumulate in the healthy and injured heart, with subsets being highly inflammatory and others supporting tissue repair. (Nahrendorf M, et al. *Circ Res* 2013;112:1624-1633)
7. Oxidized phospholipids are ubiquitous, formed in atherosclerotic lesions, and therapeutic inactivation may be beneficial for reducing progression of atherosclerosis. (Que X, et al. *Nature* 2018;558:301-306)
8. Many treatments conferring robust cardioprotection in experimental models have shown disappointing translation of these cardioprotective therapies into the clinical setting. (Davidson SM, et al. *J Am Coll Cardiol* 2019;73:89-99)
9. It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the most adaptable to change (Charles Darwin 1869). Historically present.
10. Science only advances by renouncing its past (Niels Bohr 1885-1962). It continuously rewrites and develops itself.
11. Practice what you know, and it will help to make clear what now you do not know (Rembrandt van Rijn 1606-1669). Al gaandeweg leert men.
12. Don't think about the start of the race, think about the ending (Usain Bolt 2016). It is all about the end!

*Niek Pluijmer,  
Amstelveen, juni 2021*