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Setting the scale

The balance between complement factor H and its related proteins in health and disease

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Propositions accompanying the thesis

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Richard B. Pouw

1. More important than investigating protein function *in vitro*, is establishing levels *in vivo* (this thesis).

2. The concentrations of FHR-3 and FHR-4A are too low to effectively compete with FH on a systemic level (Chapters 4 and 5).

3. Although FHR-3 binds to meningococcal fHbp, it does not rule disease susceptibility nor severity (Chapters 4, 7 and 8).

4. Related and relevant are not the same thing (this thesis).

5. Absence of evidence is not evidence of absence (Chapter 5) (Rees, M.J., 1971)

6. The name of the domains that are frequently found in complement regulators should be standardized to complement control protein (CCP) domain instead of short consensus repeat (SCR) domain (Chapters 1, 2, 3, 6, 8 and 9 *versus* Chapters 4, 5 and 7).

7. It is the antibody that complements the complement system.

8. Research has shown that researching is way more fun than finding the answers (translated from Loesje).

9. First law of Marsman; it is impossible to have one conversation as a group for a longer period of time, when the group exceeds seven individuals (Dr. G. Marsman, date unknown).

10. "These are not the *results* you're looking for..." (adapted from Lucas, G.W. *TCF*, 1977).

Stellingen behorende bij het proefschrift

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1. Belangrijker dan het onderzoeken van een eiwit functie *in vitro*, is het bepalen van de concentratie *in vivo* (dit proefschrift).

2. De concentraties van FHR-3 en FHR-4A zijn te laag om effectief te competeren met FH op een systemisch niveau (Hoofdstukken 4 en 5).

3. Ondanks dat FHR-3 aan fHbp van de meningokok bindt, bepaalt FHR-3 niet de gevoeligheid voor of de ernst van de ziekte (Hoofdstukken 4, 7 en 8).

4. Gerelateerd en relevant zijn niet hetzelfde (dit proefschrift).

5. Afwezigheid van bewijs is geen bewijs van afwezigheid (Hoofdstuk 5) (vertaald van Rees, M.J., 1971)

6. De benaming van de domeinen die doorgaans terug te vinden zijn in complement regulatoren zouden gestandaardiseerd moeten worden tot 'complement control protein' (CCP) domein in plaats van 'short consensus repeat' (SCR) domein (Hoofdstukken 1, 2, 3, 6, 8 en 9 versus Hoofdstukken 4, 5 en 7).

7. Het is de antistof die het complement systeem complementeert.

8. Uit onderzoek is gebleken dat onderzoeken veel leuker is dan antwoorden vinden (Loesje).

9. Eerste Wet van Marsman: het is onmogelijk om als groep één gesprek te voeren voor langere tijd, wanneer de groep groter is dan zeven individuen (Dr. G. Marsman, datum onbekend).

10. "These are not the *results* you're looking for..." (naar Lucas, G.W. *TCF*, 1977).