

Stellingen behorende bij het proefschrift

Immunoregulatory Properties of Break Down Products of Human Choriogonadotropin

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1. Various presumed *waste products* of hCG contribute to the heterogeneity in its biological functions.

This thesis

2. LPS-induced shock in experimental animals is not a reliable model for evaluation of candidate drugs for the treatment of septic shock.

This thesis

3. Based on the MHC class I and MHC class II binding potential and proteolytic nick sites regulatory oligopeptides can be selected from the primary structure of a protein.

*Khan and Benner, patent 'Gene regulatory peptides'.
AU publication number 2002/328028*

4. Fine tuning of inflammation is essential for successful pregnancy. Throughout pregnancy hCG plays a central role in this fine tuning.

This thesis

5. Wherever a severe immune reaction must be brought under control, small peptides from the loop-2 region of β -hCG should be considered as drug candidates.

This thesis

6. There are no drugs that affect only one specific process. Even targeting a single gene can have profound side effects.

7. Glycosylation of a protein serves a regulatory role in the degradation of that protein and the liberation of regulatory oligopeptides.
8. Protein-receptor interactions have merely the function of guiding a protein to a cellular site where liberation of small oligopeptides by proteolytic processes mediates the physiological effect.
9. The most promising route to feeding 9 billion people is to fight loss and waste.
Marion Guillou, Nature 464, 969 (2010).
10. The one and only true meaning of scientific publications is to stimulate the scientific debate.
11. "For every fatal shooting, there were roughly three non-fatal shootings. And, folks, this is unacceptable in America. It's just unacceptable. And we're going to do something about it."
George W. Bush, Philadelphia, Penn., May 14, 2001, from About.com: political humor (Bushisms) Web site: <http://politicalhumor.about.com/library/blbushisms2001.htm>

