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Celiac disease : towards new therapeutic modalities

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Stellingen

behorende bij het proefschrift getiteld:

Celiac disease

Towards new therapeutic modalities

1. The antibodies described in this study allow a comprehensive screen for the presence of harmful gluten and gluten-like peptides and proteins in foods intended for consumption by celiac disease patients with a level of detail that is as yet unprecedented (*this thesis*).
2. In our search for a non-toxic cereal we failed but we did find a way to detoxify gluten (*this thesis*).
3. Large scale production of safe gluten proteins may allow the development of gluten containing “gluten-free“ foods meant for celiac disease patients (*this thesis*).
4. Co-administration of AN-PEP with a gluten containing meal might eliminate gluten toxicity, thus offering patients the possibility to (occasionally) abandon their strict gluten-free diet (*this thesis*).
5. Between 0.5 and 2% of the general population in the Western Hemisphere suffers from celiac disease, making it one of the most common food induced diseases (*Fasano et al, Gastroenterology, 2001 Feb;120(3):636-51; Mäki et al, N Engl J Med, 2003 Jun 19;348(25):2517-24*).
6. The wide-spread use of gluten and gluten-derived starch in the food industry makes the gluten-free diet challenging.
7. The introduction of oat in the gluten free diet was surrounded by controversy since not all patients tolerate oat (*Arentz-Hansen et al, PLoS Med, 2004 Oct;1(1):e1; Lundin et al, Gut, 2003 Nov;52(11):1649-52*).
8. Oral supplementation with enzymes in order to diminish the exposure of patients to hidden gluten was proposed already in the late 1950 when it was thought that celiac disease was caused by a lack of enzymes (*Frazer et al, Lancet, 1959 Sep 5;2(7097):252-5; Krainick et al, Helv Paediatr Acta, 1959 Jun;14(2):124-40*).

9. The longer it takes to complete something the more difficult it gets to finish it.

10. All life is an experiment. The more experiments you make the better (*Ralph Waldo Emerson*).

11. Big happiness comes in small packages.

12. Be careful about reading health books. You may die of a misprint (*Mark Twain*).