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Finding the missing 'LiNCs' in celiac disease

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Stellingen behorende bij het proefschrift:

Finding the missing 'LiNCs' in celiac disease

1. None of the known celiac disease susceptibility variants showed an association with refractory celiac disease type 2 (RCDII), suggesting that RCDII might be a different disease entity, sharing symptoms with active, untreated celiac disease. (This thesis)
2. Following up on loci that are moderately associated with celiac disease by GWAS can lead to novel genes and pathways that were not previously implicated in the celiac disease pathophysiology. (This thesis)
3. Celiac disease was considered to be a disease of the adaptive immune system, but the identification of genes like *TNFAIP3*, *REL*, *IL18RAP*, *SH2B3*, *PUS10* and *NFE2L3/NRF3* clearly implicates the involvement of the innate immune system as well. (This thesis and Trynka *et al.* Nature Genetics. 2011; 43 (12): 1193-1201).
4. Integration of sequencing results with publicly available data helps in predicting the effects of the single nucleotide polymorphisms (SNPs) on the structure and function of long non-coding RNAs (lncRNAs). (This thesis)
5. The identification of disease SNPs associated with lncRNAs is an important step in linking lncRNAs to human disease, but to fully understand how these SNPs contribute to pathology the functions of these lncRNAs need to be uncovered experimentally. (This thesis)
6. Transcriptional profiling of gluten-reactive CD4⁺ T-cells and autoreactive CD8⁺ intraepithelial cytotoxic T-lymphocytes is essential to properly test for enrichment of lncRNAs associated with celiac disease. (This thesis)
7. 'Honestly, we need fewer people yammering on about open access (OA) and more people simply doing awesome science and submitting it to OA journals. Conveniently, many of the high impact journals are shooting themselves in the foot and encouraging this by rejecting good science that then ends up in an OA journal.' (C. Titus Brown)
8. 'We are drowning in information, while starving for wisdom.' (Edward O. Wilson)
9. 'Every experience, no matter how bad it seems, holds within it a blessing of some kind. The goal is to find it.' (Buddha)
10. 'Sometimes you find yourself in the middle of nowhere, and sometimes in the middle of nowhere, you find yourself.' (Unknown)
11. 'Yoga does not take time; it gives time.' (Ganga White)

Barbara Hrdlickova
11 May 2015