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## **Immunity against post-translationally modified proteins in autoimmune diseases**

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## **Immunity against post-translationally modified proteins in autoimmune diseases**

1. Post-translationally modified proteins can trigger antibody responses that contribute to the onset and activity of autoimmune disease. – *dit proefschrift*
2. Rheumatoid Arthritis patients currently defined as seronegative can still be subgrouped based on the presence of autoantibodies against proteins with advanced glycation end-products and malondialdehyde-acetaldehyde adducts. – *dit proefschrift*
3. Presence of antibodies targeting proteins modified by carbamylation or containing malondialdehyde-acetaldehyde adducts associates with major neuropsychiatric manifestations in patients with systemic lupus erythematosus. – *dit proefschrift*
4. Autoimmune hepatitis patients with three or more antibody responses against post-translationally modified proteins respond better to standard-of-care treatment. – *dit proefschrift*
5. Post-translationally modified proteins can induce a vicious inflammation circle leading to a break in immune tolerance, more inflammation and more post-translational modifications, ultimately leading to autoantibody production and disease. – *dit proefschrift*
6. Post-translational modifications can be considered an ancient danger signal which can activate the classical pathway of complement in the absence of the evolutionary more novel antibodies.
7. The interaction between complement and post-translational modifications forms a crucial yet underappreciated link in the interaction and progression of autoimmunity.
8. Elucidating and targeting triggers of post-translational protein modification will lead to novel treatment options for patients with autoimmune disease.
9. Depleting B cells does more than just removing antibodies and may be preferred in treating autoimmune diseases.
10. A good biomarker does not have to be a good therapeutic target.
11. The statement of Buddha that 'One moment can change a day, one day can change a life, and one life can change the world', clearly also applies to labwork, where a minor experimental detail can change the complete outcome and a career.
12. Posting a TikTok clip of *Hippocrates* stating, "There are in fact two things, science and opinion; the former begets knowledge, the latter ignorance," may help educate the next relevant generations in the current society where the view on science is changing.