

Research Paper

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# Antigen Engineering in Yeast: Synthesis and Assembly of Hybrid Hepatitis B Surface Antigen-Herpes Simplex 1 gD Particles

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## **Abstract**

A new approach for antigen presentation and polyvalent vaccines is tested. The idea is to recombine the gene of a second immunogen with that of hepatitis B surface antigen so that the second immunogen is assembled into, and presented on the surface of the HBsAg particle. We describe here the synthesis and assembly in yeast of a model hybrid particle containing both, hepatitis B virus and herpes simplex virus surface antigens.