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ABSTRACT

This invention relates to the field of immunology, more specifically to immunogenic compositions containing peptides, polypeptides, proteins, and their corresponding DNA sequences, cells or their lysates and very small size proteoliposomes (VSSP), the latter being formed by binding the outer membrane protein complex (CPME) of Neisseria meningitidis with gangluiosides by means of hydrophobic bonds. In particular the invention shows how to prepare said immunostimulating compositions which are capable of generating antigen-specific immune responses, even in immuno-compromised hosts such as those suffering from cancer or chronic viral or bacterial infections. By administering the vaccine compositions disclosed in the invention to these patients, it is possible to restore of the functionality of sectors of their immune system. The vaccine compositions disclosed in the invention can be used to protect against or treat infectious, malignant or autoimmune diseases.

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