Title (en)

ADENOVIRAL TARGETING AND MANIPULATION OF IMMUNE SYSTEM RESPONSE USING TARGETING PEPTIDES

Title (de)

ZIELGERICHTETES EINBRINGEN MIT HILFE VON ADENOVIREN UND ADENOVIRALE MANIPULATIONDER IMMUNSYSTEMANTWORT UNTER VERWENDUNG VON ZIELGERICHTETEN PEPTIDEN

Title (fr)

CIBLAGE AD NOVIRAL ET MANIPULATION DE LA R PONSE DU SYST ME IMMUNITAIRE AU MOYEN DE PEPTIDES CIBLANTS

Publication

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Application

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Abstract (en)

[origin: WO0220822A2] The present invention concerns novel methods of identifying peptide sequences that selectively bind to targets. In alternative embodiments, targets may comprise cells or clumps of cells, particles attached to chemicals compounds, molecules or aggregates, or parasites. In preferred embodiments, target cells are sorted before exposure to the phage library. The general method, Biopanning and Rapid Analysis of Selective Interactive Ligands (BRASIL) provides for rapid and efficient separation of phage that bind to targets, while preserving unbound phage. BRASIL may be used in preselection procedure to subract phage that bind non-specifically to a first target before exposing the subtracted library to a second target. Certain embodiments concern targeting peptides identified by BRASIL and methods of use of such peptides for targeted delivera of therapeutic agents or imaging agents or diagnosis or treatment of diseases. Novel compositions comprising a first phase, second phase, target and a phage library are also disclosed.

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