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(71) Applicant: THE CHILDREN'S HOSPITAL OF PHILADELPHIA [US/US]; 3401 Civic Center Blvd., Philadelphia, PA 19104 (US).

(72) Inventors: DAVIDSON, Beverly; 440 S. Broad St. #1402, Philadelphia, PA 19146 (US). CHEN, Yonghong; C/o The Children's Hospital of Philadelphia, 2716 South Street, 17th Floor, Philadelphia, PA 19146 (US). RANUM, Paul, T.; C/o The Children's Hospital of Philadelphia, 2716 South Street, 17th Floor, Philadelphia, PA 19146 (US). LIU, Xueyuan; C/o The Children's Hospital of Philadelphia, 2716 South Street, 17th Floor, Philadelphia, PA 19146 (US).

(74) Agent: SCHNEPP, Amanda, S.J.; Parker Highlander PLLC, 1120 S. Capital Of Texas Highway, Bldg. One, Suite 200, Austin, TX 78746 (US).

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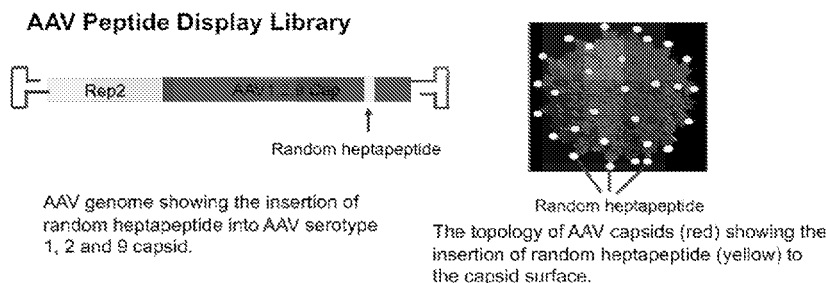


FIG. 1

(57) Abstract: Provided herein are targeting peptides and vectors containing a sequence that encodes the targeting peptides that deliver agents to specific substructures in the brain. Provided herein are viral vectors each comprising a modified capsid, wherein the modified capsid comprises at least one amino acid sequence that targets the viral vector to a distinct brain structure.

