(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 October 2007 (18.10.2007)

PCT

(10) International Publication Number
WO 2007/118245 A3

(51) International Patent Classification:
A01N 43/04 (2006.01) *A61K 49/00* (2006.01)
A01N 63/00 (2006.01) *C07H 21/04* (2006.01)
A61B 5/055 (2006.01) *C12N 15/00* (2006.01)

(21) International Application Number:
PCT/US2007/066265

(22) International Filing Date: 9 April 2007 (09.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/744,492 7 April 2006 (07.04.2006) US

(71) Applicant *(for all designated States except US)*: **THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 W. 7th Street, Austin, TX 78701 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **PASQUALINI, Renata** [US/US]; 1914 West Gray Ave. #308, Houston, Texas 77019 (US). **ARAP, Wadih** [US/US]; 1914 West Gray Ave. #308, Houston, Texas 77019 (US). **GELOVANI, Juri** [US/US]; 4734 Autumn Lakes, Missouri City, TX 77459 (US). **MARINI, Frank, C., III** [US/US]; 9110 Riddlewood Lane, Houston, TX 77025 (US). **HAJITOU, Amin** [BE/US]; 7200 Alemda Road #814, Houston, TX 77054 (US). **ALAUDDIN, Mian** [US/US]; 9032 Creekstone Lake Dr., Houston, TX 77054 (US). **TREPEL, Martin** [DE/DE]; Jacobistrasse 47, 79106 Freiburg (DE).

(74) Agent: **LANDRUM, Charles, P.**; Fulbright & Jaworski L.L.P., 600 Congress Avenue, Suite 2400, Austin, TX 78701 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
13 November 2008

(15) Information about Correction:
Previous Correction:
see Notice of 2 October 2008

(54) Title: METHODS AND COMPOSITIONS RELATED TO ADENOASSOCIATED VIRUS-PHAGE PARTICLES

(57) Abstract: Embodiments of the invention are generally directed to compositions and methods of delivering one or more transgene to a target cell, such as a tumor cell, in a site-specific manner to achieve enhanced expression and to constructs and compositions useful in such applications. In certain aspects, expression from a therapeutic nucleic acid may be assessed prior to administration of a treatment or diagnostic procedure to or on a subject.

WO 2007/118245 A3