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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 July 2006 (13.07.2006)

PCT

(10) International Publication Number
WO 2006/074451 A3

(51) International Patent Classification:
A61K 47/48 (2006.01) *C07K 16/32* (2006.01)
A61P 35/00 (2006.01)

(21) International Application Number:
PCT/US2006/000828

(22) International Filing Date: 10 January 2006 (10.01.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/643,337 10 January 2005 (10.01.2005) US

(71) Applicant *(for all designated States except US)*: **RESEARCH DEVELOPMENT FOUNDATION** [US/US]; 402 North Division Street, Carson City, Nevada 89703 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **ROSENBLUM, Michael, G.** [US/US]; 3127 Stoney Mist Drive, Sugar Land, Texas 77479 (US). **ELLINGTON, Andrew, D.** [US/US]; 2106 Elton Lane, Austin, Texas 78703 (US).

(74) Agent: **SISTRUNK, Melissa, L.**; Fulbright & Jaworski L.L.P., Fulbright Tower, 1301 McKinney, Suite 5100, Houston, TX 77010-3095 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, 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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
8 March 2007

(48) Date of publication of this corrected version:
26 April 2007

(15) Information about Correction:
see PCT Gazette No. 17/2007 of 26 April 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TARGETED CHIMERIC MOLECULES FOR CANCER THERAPY

(57) Abstract: The present invention concerns chimeric cancer therapeutic molecules comprising a targeting moiety and an anti-cell proliferation moiety. The anti-cell proliferation moiety may comprise a cytotoxic agent or an apoptosis-inducing factor, in specific embodiments. In particular embodiments, the anti-cell proliferation mechanism of the chimeric molecules comprises apoptotic pathways. In additional embodiments, the chimeric molecules of the present invention provide sensitivity to chemotherapy in a cell that is resistant to the chemotherapy.

WO 2006/074451 A3