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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 November 2015 (05.11.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/168019 A2

(51) **International Patent Classification**:
*C07K 16/40* (2006.01) *A61K 47/48* (2006.01)

(21) **International Application Number**:
PCT/US2015/027791

(22) **International Filing Date**:
27 April 2015 (27.04.2015)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/986,520 30 April 2014 (30.04.2014) US

(71) **Applicants**: **PFIZER INC.** [US/US]; 235 East 42nd Street, New York, New York 10017 (US). **STEMCENTRX, INC.** [US/US]; 450 East Jamie Court, South San Francisco, California 94080 (US).

(72) **Inventors**: **DAMELIN, Marc Isaac**; 10 Pine Drive, Park Ridge, NJ 07656 (US). **SAPRA, Puja**; 254 Wayne Avenue, River Edge, New Jersey 07661 (US). **BANKOVICH, Alexander John**; 635 Tennessee Street, No. 204, San Francisco, California 94017 (US). **DYLLA, Scott J.**; 25 Danford Court, Emerald Hills, California 94062 (US).

(74) **Agents**: **CAWLEY, JR, Thomas A.** et al.; Womble Carlyle Sandridge & Rice, LLP, P.O. Box 7037, Atlanta, Georgia 30357-0037 (US).

(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17**:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

**Published**:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2015/168019 A2

(54) **Title**: ANTI-PTK7 ANTIBODY-DRUG CONJUGATES

(57) **Abstract**: The present invention provides anti-PTK7 antibody-drug conjugates and methods for preparing and using the same.