

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
01 October 2020 (01.10.2020)



(10) International Publication Number
WO 2020/198366 A1

(51) International Patent Classification:

A61K 39/00 (2006.01) *A61K 31/00* (2006.01)
G01N 33/68 (2006.01) *A61K 41/00* (2020.01)

(21) International Application Number:

PCT/US2020/024726

(22) International Filing Date:

25 March 2020 (25.03.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/823,446 25 March 2019 (25.03.2019) US

(71) Applicant: **BAYLOR COLLEGE OF MEDICINE**
[US/US]; One Baylor Plaza, Houston, Texas 77030 (US).

(72) Inventors: **LEEN, Ann Marie**; c/o Baylor College of Medicine, One Baylor Plaza, Houston, Texas 77030 (US). **VE-RA VALDES, Juan Fernando**; c/o Baylor College of Medicine, One Baylor Plaza, Houston, Texas 77030 (US).

(74) Agent: **SISTRUNK, Melissa**; Norton Rose Fulbright US LLP, 1301 McKinney Suite 5100, Houston, Texas 77010 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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).

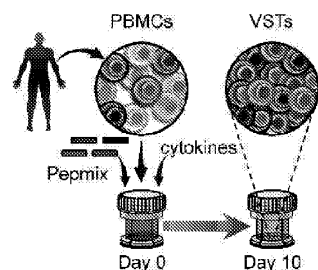
Published:

— with international search report (Art. 21(3))

(54) Title: MULTI-RESPIRATORY VIRUS ANTIGEN-SPECIFIC T CELLS AND METHODS OF MAKING AND USING THE SAME THERAPEUTICALLY

(57) Abstract: Embodiments of the disclosure concern multi-respiratory virus specific T cell lines and methods of using the same to treat and prevent viral infections.

FIG. 1A



WO 2020/198366 A1