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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 November 2019 (28.11.2019)

WIPO | PCT

(10) International Publication Number
WO 2019/226978 A1

(51) International Patent Classification:
C07K 14/195 (2006.01) *C07K 16/18* (2006.01)
C07K 16/12 (2006.01)

(21) International Application Number:
PCT/US2019/033897

(22) International Filing Date:
24 May 2019 (24.05.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/676,390 25 May 2018 (25.05.2018) US

(71) Applicants: **TEMPLE UNIVERSITY-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION** [US/US]; Broad & Montgomery Avenue, Philadelphia, PA 19122 (US). **LANKENAU INSTITUTE OF MEDICAL RESEARCH** [US/US]; 100 East Lancaster Avenue, Wynnewood, PA 19096 (US).

(72) Inventors: **WILSON, Cagla, Tukel**; 3561 Walsh Lane, Huntingdon Valley, PA 19006 (US). **DESSAIN, Scott**; 1370 Indian Creek Drive, Wynnewood, PA 19096 (US).

(74) Agent: **FONVILLE, Natalie** et al.; Riverside Law, LLP, Glenhardie Corporate Center, 1285 Drummers Lane, Suite 202, Wayne, PA 19087 (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, 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).

(54) Title: ERADICATION OF BACTERIAL BIOFILM USING ANTI-AMYLOID MONOCLONAL ANTIBODIES

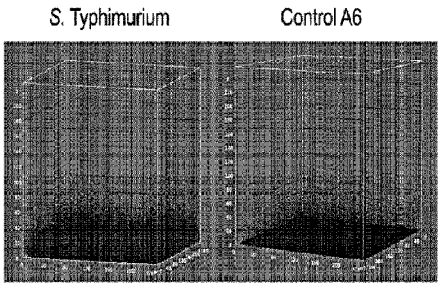

Fig. 1A

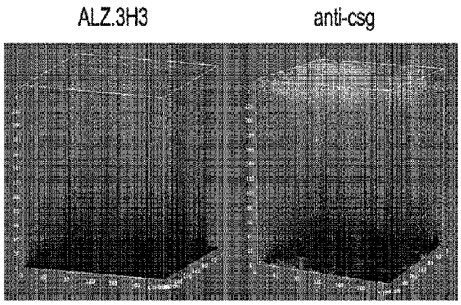

Fig. 1A (cont.)

(57) Abstract: The present invention features compositions comprising an anti-amyloid antibody and methods of treating microbial infection and treating or preventing microbial biofilms using the composition.

WO 2019/226978 A1

[Continued on next page]

Published:
— *with international search report (Art. 21(3))*
— *with sequence listing part of description (Rule 5.2(a))*