

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 February 2022 (17.02.2022)



(10) International Publication Number
WO 2022/035739 A3

(51) International Patent Classification:

A61K 39/12 (2006.01) C07K 14/08 (2006.01)
C07K 14/005 (2006.01)

(21) International Application Number:

PCT/US2021/045178

(22) International Filing Date:

09 August 2021 (09.08.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/063,530 10 August 2020 (10.08.2020) US

(71) Applicant: **THE SCRIPPS RESEARCH INSTITUTE**
[US/US]; 10550 North Torrey Pines Road, La Jolla, CA
92037 (US).

(72) Inventors: **HE, Linling**; 4267 Robins Street, San Diego,
CA 92122 (US). **ZHU, Jiang**; 4267 Robins Street, San
Diego, CA 92122 (US). **CHAUDHARY, Anshul**; 8673 Via
Mallorca, #53, La Jolla, CA 92037 (US). **WILSON, Ian**;
1025 Newkirk Drive, La Jolla, CA 92037 (US).

(74) Agent: **FITTING, Thomas et al.**; The Scripps Research In-
stitute, 10550 North Torrey Pines Road, Maildrop TPC-8,
La Jolla, CA 92037 (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, IT, 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))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))
- with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:

24 March 2022 (24.03.2022)

(54) Title: COMPOSITIONS AND METHODS RELATED TO EBOLA VIRUS VACCINES

