

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2021/226439 A8

(43) International Publication Date
11 November 2021 (11.11.2021)

WIPO | PCT

(51) International Patent Classification:
C07K 14/575 (2006.01)

(21) International Application Number:
PCT/US2021/031260

(22) International Filing Date:
07 May 2021 (07.05.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/021,814 08 May 2020 (08.05.2020) US

(71) Applicant: **PRESIDENT AND FELLOWS OF HARVARD COLLEGE** [US/US]; 17 Quincy Street, Cambridge, MA 02138 (US).

(72) Inventors: **KRUSE, Andrew**; 27 Hewlett Street, Unit 3, Roslindale, MA 02131 (US). **ERLANDSON, Sarah, Cecilia**; 108 Elm Street, Georgetown, MA 01833 (US).

(74) Agent: **ZACHARAKIS, Maria, Laccotripe et al.**; McCarter & English, LLP, 265 Franklin Street, Boston, MA 02110 (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).

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))

(48) Date of publication of this corrected version:

23 December 2021 (23.12.2021)

(15) Information about Correction:

see Notice of 23 December 2021 (23.12.2021)

(54) Title: ENGINEERED RELAXINS AND METHODS OF USE THEREOF

(57) Abstract: The present invention provides novel recombinant relaxin-2 compositions and methods for making the same. Also disclosed herein are methods of treating relaxin-2-associated disorders or diseases using the compositions of the invention.



WO 2021/226439 A8