

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

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
24 March 2022 (24.03.2022)



(10) International Publication Number  
**WO 2022/057851 A1**

(51) International Patent Classification:

C07K 14/54 (2006.01) C07K 19/00 (2006.01)

C07K 14/715 (2006.01)

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).

(21) International Application Number:

PCT/CN2021/118679

(22) International Filing Date:

16 September 2021 (16.09.2021)

Published:

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

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/CN2020/115594

16 September 2020 (16.09.2020) CN

PCT/CN2021/106481

15 July 2021 (15.07.2021) CN

PCT/CN2021/116077

01 September 2021 (01.09.2021) CN

(71) Applicant: **BEIGENE, LTD.** [GB/GB]; c/o Mourant Governance Services (Cayman) Limited, 94 Solaris Avenue, Camana Bay, Grand Cayman, KY1-1108 (KY).

(72) Inventor; and

(71) Applicant (for SC only): **LUAN, Xudong** [CN/CN]; No.30 Science Park Road, Zhongguancun Life Science Park, Changping, Beijing 102206 (CN).

(72) Inventors: **LIU, Xuesong**; No.30 Science Park Road, Zhongguancun Life Science Park, Changping, Beijing 102206 (CN). **LEI, Ming**; No.30 Science Park Road, Zhongguancun Life Science Park, Changping, Beijing 102206 (CN).

(74) Agent: **WU, FENG & ZHANG**; 3 Fl, Building 2, Yard 3, Fengxiuzhonglu Road, Haidian District, Beijing 100094 (CN).

(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,

(54) Title: INTERLEUKIN 15 CONSTRUCTS AND METHODS OF USE

(57) Abstract: Provided are IL15 constructs, a pharmaceutical composition comprising said IL15 constructs, and use of the IL15 constructs or the composition for treating a disease, such as cancer, infectious disease or an immune disorder.



WO 2022/057851 A1