

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

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
08 June 2023 (08.06.2023)



(10) International Publication Number  
**WO 2023/101603 A1**

(51) International Patent Classification:

*A61K 35/28* (2015.01) *C07K 14/705* (2006.01)  
*C12N 5/0775* (2010.01) *A61K 35/51* (2015.01)  
*C07K 14/535* (2006.01) *A61P 17/02* (2006.01)

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.

(21) International Application Number:

PCT/SG2022/050858

(22) International Filing Date:

25 November 2022 (25.11.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2117430.5 02 December 2021 (02.12.2021) GB  
2203017.5 04 March 2022 (04.03.2022) GB

(71) Applicant: **CELLIGENICS PTE LTD.** [SG/SG]; 30  
Biopolis Street, Matrix, #B2-15C, Singapore 138671 (SG).

(72) Inventors: **YEO, Aimin**; c/o Celligenics Pte Ltd., 30  
Biopolis Street, Matrix, #B2-15C, Singapore 138671 (SG).  
**MOK, Pamela**; c/o Celligenics Pte Ltd., 30 Biopolis Street,  
Matrix, #B2-15C, Singapore 138671 (SG). **CHEN, Six-  
un**; c/o Celligenics Pte Ltd., 30 Biopolis Street, Matrix,  
#B2-15C, Singapore 138671 (SG). **AW, Yi Bing**; c/o Cel-  
ligenics Pte Ltd., 30 Biopolis Street, Matrix, #B2-15C, Sin-  
gapore 138671 (SG).

(74) Agent: **AMICA LAW LLC**; 77 Robinson Road, #22-01  
Robinson 77, Singapore 068896 (SG).

(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, CV, CZ, DE, DJ, DK, DM,  
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,  
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,  
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,  
LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG,

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, CV,  
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, ME, 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:

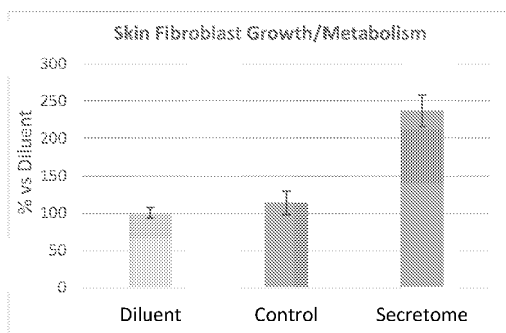
— of inventorship (Rule 4.17(iv))

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))

(54) Title: NOVEL THERAPEUTIC COMPRISING A SECRETOME FROM MESENCHYMAL STEM CELLS OF UMBILICORD  
TISSUE OR WHARTON'S JELLY

Figure 1A



(57) Abstract: The invention concerns a novel therapeutic compris-  
ing a secretome obtained from mesenchymal stem cells of umbilical  
cord tissue or of wharton's jelly tissue and a formulation or pharma-  
ceutical composition including same; ideally, but not exclusively, for  
use in treating a wound; a method for making said therapeutic; and a  
method of treating a wound using said therapeutic.

WO 2023/101603 A1