



- (51) **International Patent Classification:**
C12N 5/077 (2010.01) *G01N 33/48* (2006.01)
- (21) **International Application Number:**
PCT/GB2024/051973
- (22) **International Filing Date:**
26 July 2024 (26.07.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
23188235.8 27 July 2023 (27.07.2023) EP
- (71) **Applicant:** **BIT BIO LIMITED** [GB/GB]; The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge CB22 3FH (GB).
- (72) **Inventors:** **CREPALDI, Luca**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **DIAZ SORIA, Carmen**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **EDWARDS, Amelia**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **GALIMBERTI, Elena**; c/o

Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **GUENANTIN, Anne-Claire**; 16, rue de Thillois, 51100 Reims (FR). **KNIGHTS, Andrew**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **METZAKOPIAN, Emannouil**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **MOREAU, Thomas Pierre Michel**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **SHELDON, Forrest**; Flat 8, Fiesta House, 376 Seven Sisters Road, London N4 2JR (GB). **THOMAS, Patrick Luke Belle**; 15/8 Westfield Road, Gorgie, Edinburgh EH16 2QS (GB). **TURNER, Lorinda**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB). **WILCZYNSKA, Ania**; c/o Bit Bio Limited, The Dorothy Hodgkin Building, Babraham Research Campus, Cambridge Cambridgeshire CB22 3FH (GB).

(74) **Agent:** **POND, Elizabeth** et al.; Sagittarius IP, Malow International, Parkway, Marlow SL7 1YL (GB).

(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(54) **Title:** METHOD OF GENERATING ADIPOCYTES

(57) **Abstract:** The invention relates to methods of generating adipocytes using forward reprogramming.

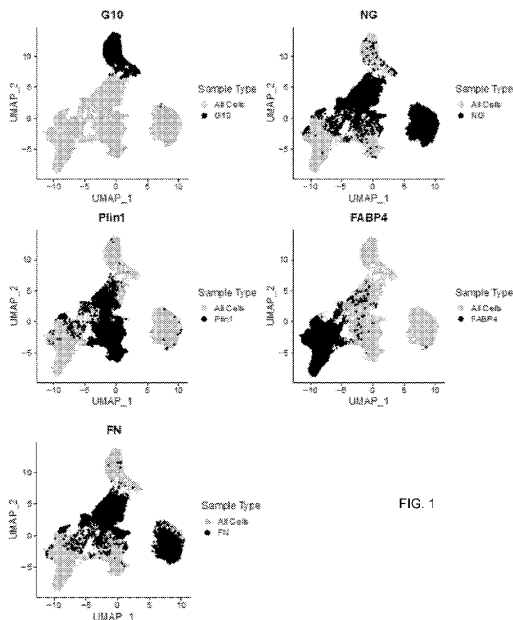


FIG. 1

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, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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).

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))