

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2016/197196 A1

(43) International Publication Date
15 December 2016 (15.12.2016)

(51) International Patent Classification:
A61K 35/50 (2015.01) *A61P 43/00* (2006.01)

(21) International Application Number:
PCT/AU2016/050468

(22) International Filing Date:
10 June 2016 (10.06.2016)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2015902214 12 June 2015 (12.06.2015) AU
2016901349 12 April 2016 (12.04.2016) AU

(71) Applicants: **PRINCE HENRY'S INSTITUTE OF MEDICAL RESEARCH TRADING AS THE HUDSON INSTITUTE OF MEDICAL RESEARCH** [AU/AU]; 27-31 Wright Street, Clayton, Victoria 3168 (AU). **MONASH UNIVERSITY** [AU/AU]; Wellington Road, Clayton, Victoria 3800 (AU).

(72) Inventors: **WALLACE, Euan**; Faculty of Medicine, Monash University, Wellington Road, Clayton, Victoria 3800 (AU). **LIM, Rebecca**; 18 Belmont Avenue, Upwey, Victoria 3158 (AU).

(74) Agent: **DAVIES COLLISON CAVE PTY LTD**; 1 Nicholson Street, Melbourne, Victoria 3000 (AU).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))



WO 2016/197196 A1

(54) Title: A METHOD OF TREATMENT

(57) Abstract: The present disclosure relates generally to the methods of treatment of mammalian subjects by an enhanced cell-based therapeutic approach in order to facilitate tissue and neuronal repair, regeneration and/or reparation. Medicaments useful in the treatment of mammalian subjects and methods of production of the medicaments are also encompassed by the present disclosure, wherein the composition comprises exosomes derived from allogenic mammalian amnion epithelial cells from a donor mammal of the same species.