

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number

WO 2017/015245 A8

(43) International Publication Date
26 January 2017 (26.01.2017)

(51) International Patent Classification:

C12N 5/02 (2006.01) C12N 5/0797 (2010.01)
C12N 5/0789 (2010.01)

(21) International Application Number:

PCT/US2016/042872

(22) International Filing Date:

19 July 2016 (19.07.2016)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/194,460 20 July 2015 (20.07.2015) US

(71) Applicant: ANGIOCRINE BIOSCIENCE, INC.

[US/US]; 3570 Carmel Mountain Road, Suite 200, San Diego, CA 92130 (US).

(72) Inventors: FINNEGAN, Paul, William; 3570 Carmel Mountain Road, Suite 200, San Diego, CA 92130 (US).

DAVIS, Claude, Geoffrey; 3570 Carmel Mountain Road, Suite 200, San Diego, CA 92130 (US). GINSBERG, Michael, Daniel; 3570 Carmel Mountain Road, Suite 200, San Diego, CA 92130 (US). NOLAN, Daniel, Joseph; 3570 Carmel Mountain Road, Suite 200, San Diego, CA 92130 (US).

(74) Agent: GRIMES, Julia, Anne et al.; Grimes & Yvon LLP, 830 Third Avenue, 5th Floor, New York, NY 10022 (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, 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).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

(54) Title: METHODS AND COMPOSITIONS FOR STEM CELL TRANSPLANTATION

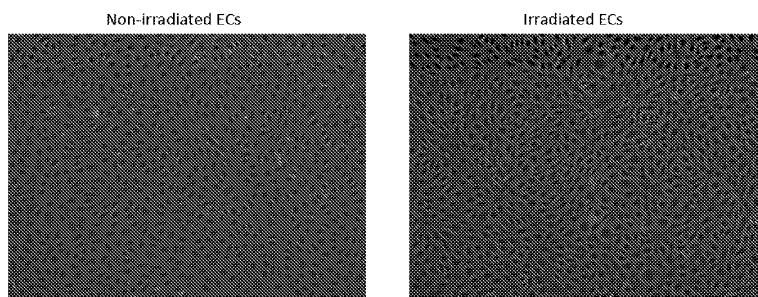


Fig. 1

(57) Abstract: The present disclosure relates to the field of hematopoietic stem or progenitor cell transplantation. More specifically, methods, compositions and kits for improving expansion and engraftment of hematopoietic stem or progenitor cells by co-culturing and co-administering with endothelial cells are provided. The methods, compositions and kits are useful for treating various disorders relating to deficiencies in hematopoiesis caused by disease or myeloablative treatments.

[Continued on next page]

WO 2017/015245 A8

Published:

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

(48) Date of publication of this corrected version:

03 November 2022 (03.11.2022)

(15) Information about Correction:

see Notice of 03 November 2022 (03.11.2022)