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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 February 2014 (13.02.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/025315 A8

(51) International Patent Classification:
C12N 5/071 (2010.01)

(21) International Application Number:
PCT/SG2013/000334

(22) International Filing Date:
7 August 2013 (07.08.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/680,512 7 August 2012 (07.08.2012) US

(71) Applicant: **SINGAPORE HEALTH SERVICES PTE LTD** [SG/SG]; 31 Third Hospital Avenue, #03-03 Bowyer Block C., Singapore 168753 (SG).

(72) Inventors: **SHIM, Se Ngie, Winston**; c/o National Heart Centre of Singapore Pte Ltd, 31 Third Hospital Avenue, #03-03 Bowyer Block, Singapore 168753 (SG). **MEHTA, Ashish**; c/o National Heart Centre of Singapore Pte Ltd, 31 Third Hospital Avenue, #03-03 Bowyer Block, Singapore 168753 (SG). **SEQUIERA, Glen Lester**; c/o National Heart Centre of Singapore Pte Ltd, 31 Third Hospital Avenue, #03-03 Bowyer Block, Singapore 168753 (SG).

(74) Agent: **CHUNG, Jing Yeng**; Marks & Clerk Singapore LLP, Tanjong Pagar, P O Box 636, Singapore 910816 (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, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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:

— *of inventorship (Rule 4.17(iv))*

Published:

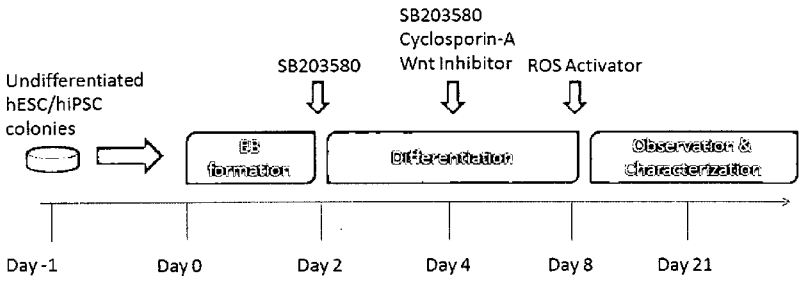
— *with international search report (Art. 21(3))*

— *with sequence listing part of description (Rule 5.2(a))*

(48) Date of publication of this corrected version:
24 April 2014

(15) Information about Correction:
see Notice of 24 April 2014

(54) Title: METHOD, COMBINATION AND/OR COMPOSITION FOR INDUCING CARDIOMYOCYTE DIFFERENTATION



(57) Abstract: The present invention relates to a method for inducing cardiomyocyte differentiation using a combination and/or composition of factors. The present invention also includes the combination and/or composition of factors. For example, the factors comprise at least one p38-MAPK modulator, at least one immunomodulator, at least one Wnt modulator and/or at least one ROS modulator. In particular, the factors comprise at least one p38-MAPK inhibitor, at least one immunosuppressant, at least one Wnt modulator and/or at least one ROS activator.

WO 2014/025315 A8