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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 October 2009 (15.10.2009)

PCT

(10) International Publication Number
WO 2009/126250 A3

(51) International Patent Classification:
*C12N 15/11* (2006.01) *C12N 5/10* (2006.01)

(21) International Application Number:
PCT/US2009/002161

(22) International Filing Date:
7 April 2009 (07.04.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

| | | |
|---|---|---|
| 61/043,066 | 7 April 2008 (07.04.2008) | US |
| 61/042,890 | 7 April 2008 (07.04.2008) | US |
| 61/042,995 | 7 April 2008 (07.04.2008) | US |
| 61/113,971 | 12 November 2008 (12.11.2008) | US |

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(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, BR, BW, BY, BZ, CA, CH, 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, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published**:

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

(88) Date of publication of the international search report:
18 March 2010

(54) Title: REPROGRAMMING A CELL BY INDUCING A PLURIPOTENT GENE THROUGH RNA INTERFERENCE

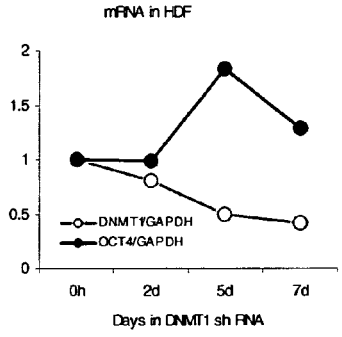


FIG. 1A

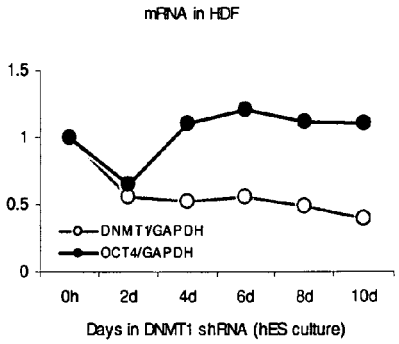


FIG. 1B

(57) Abstract: The invention relate to methods, compositions, and kits for reprogramming a cell. In one embodiment, the invention relates to a method for inducing the expression of at least one gene that contributes to a cell being pluripotent or multipotent. In yet another embodiment, the method comprises inhibiting the expression of a gene that codes for a protein involved in transcriptional repression. In yet another embodiment, the invention relates to a reprogrammed cell or an enriched population of reprogrammed cells that can have characteristics of an ES-like cell, which can be re- or trans-differentiated into a differentiated cell type.

WO 2009/126250 A3