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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/100552 A3

(51) International Patent Classification:
C12N 5/08 (2006.01) *A61K 35/28* (2006.01)
A61K 35/30 (2006.01)

(21) International Application Number:
PCT/US2005/011670

(22) International Filing Date: 7 April 2005 (07.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/561,613 12 April 2004 (12.04.2004) US

(71) Applicant *(for all designated States except US)*: **SANBIO INC.** [US/US]; 231 South Whisman Road, Suite A, Mountain View, CA 94041-1522 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **DEZAWA, Mari** [JP/JP]; 1-26-502, Oomiya-Hirakimachi, Kita-Ku, Kyoto, 603-8437 (JP).

(74) Agent: **ABRAHAM, David**; Innovation Legal Group, 1165 Rosefield Way, Menlo Park, CA 94025 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, MC, NL, 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*

(88) Date of publication of the international search report:
12 October 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/100552 A3

(54) Title: CELLS EXHIBITING NEURONAL PROGENITOR CELL CHARACTERISTICS

(57) Abstract: Disclosed are cells exhibiting neuronal progenitor cell characteristics, and methods of making them from marrow adherent stem cells by regulating cellular pathways in the marrow adherent stem cells that are associated with glial transdifferentiation of the marrow adherent stem cells.