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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014026 A2

(51) International Patent Classification[7]: A61K 38/19

(21) International Application Number:
PCT/BE2004/000117

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/494,516 12 August 2003 (12.08.2003) US

(71) Applicant *(for all designated States except US)*: **TIGENIX N.V.** [BE/BE]; Technologielaan 3, B-3001 Leuven (BE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LUYTEN, Frank** [BE/BE]; Baron D'Huartlaan 193, 1950 Kraainem (BE). **DE BARI, Cosimo** [IT/GB]; 18 Ethelbert Close, Bromley, Kent BR1 1JB (GB). **DELL'ACCIO, Francesco** [IT/GB]; 150 Farnaby Road, Bromley, Kent BR2 0BB (GB).

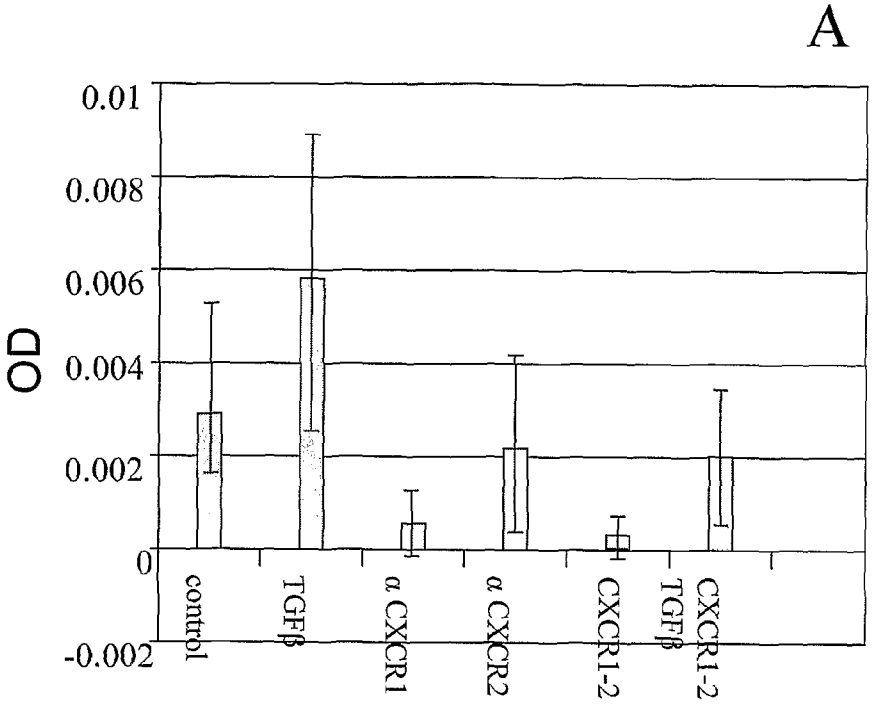
(74) Agents: **BIRD, William, E.** et al.; Bird Goën & Co., Klein Dalenstraat 42A, B-3020 Winksele (BE).

(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, 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, 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, IT, 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).

[Continued on next page]

(54) Title: USE OF CXCL6 CHEMOKINE IN THE PREVENTION OR REPAIR OF CARTILAGE DEFECTS



(57) Abstract: The present invention disclosed the expression of CXCL6 by cells which are able to form stable cartilage. The invention describes the use of these cells and of CXCL6 to promote cartilage (and underlying bone) formation e.g. in the repair of cartilage or osteochondral defects. The invention further describes the use of chemokines in the modulation of progenitor cell differentiation.

WO 2005/014026 A2

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *without international search report and to be republished upon receipt of that report*

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.