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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
9 February 2006 (09.02.2006)

PCT

(10) International Publication Number
WO 2006/014737 A3

(51) International Patent Classification:
A61K 38/25 (2006.01) *A61K 48/00* (2006.01)
A61K 39/39 (2006.01)

(21) International Application Number:
PCT/US2005/025747

(22) International Filing Date: 21 July 2005 (21.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/590,739 23 July 2004 (23.07.2004) US

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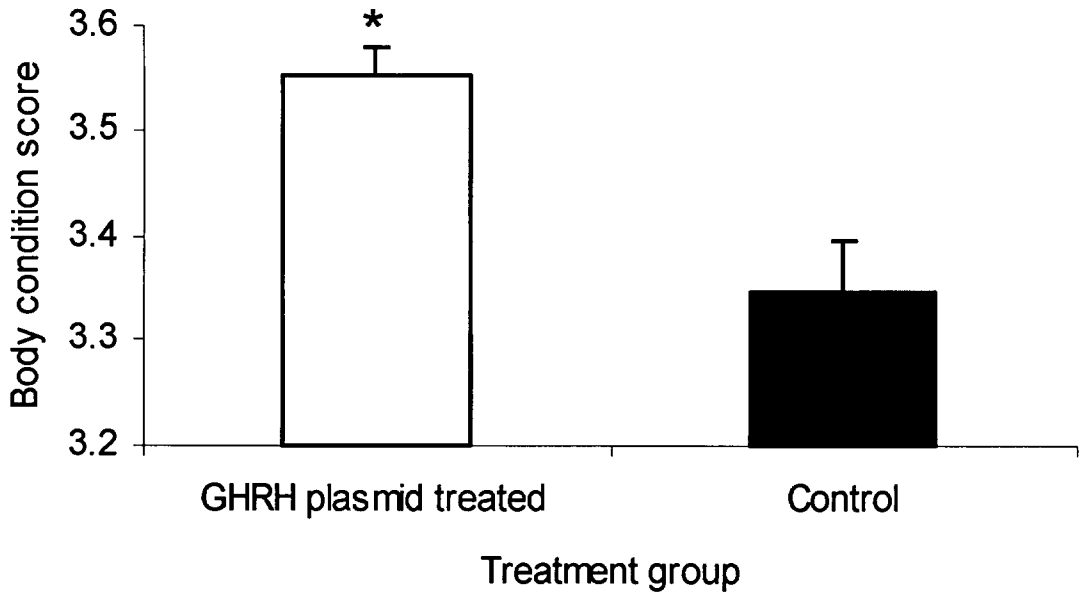
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, 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, LV, 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*

[Continued on next page]

(54) **Title:** GROWTH HORMONE RELEASING HORMONE ENHANCES THE IMMUNE RESPONSE INDUCED BY VACCINATION



(57) **Abstract:** This invention discloses compositions and methods of: vaccinating a subject; enhancing the vaccination efficiency; preparing a subject prior to vaccination response; and improving the clinical outcome after infectious challenge in a subject that has been vaccinated. More specifically, the invention pertains to delivering into a tissue of the subject a nucleic acid expression construct that encodes a growth-hormone-releasing-hormone ("GHRH") before or concomitantly with delivering a vaccine to the subject, wherein, GHRH is expressed in vivo in the subject, wherein the subject comprises a human, pig, cow, bird, horse or any other animal species receiving a vaccine.

WO 2006/014737 A3

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
11 May 2006

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