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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 August 2012 (02.08.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/103038 A3

(51) International Patent Classification:
A61K 9/51 (2006.01)

(21) International Application Number:
PCT/US2012/022279

(22) International Filing Date:
23 January 2012 (23.01.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/435,778 24 January 2011 (24.01.2011) US

(71) Applicant *(for all designated States except US)*: **ANTERIOS, INC.** [US/US]; 142 West 57th Street, Suite 4A, New York, NY 10019 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **EDELSON, Jonathan** [US/US]; 212 Mamaroneck Road, Scarsdale, NY 10583 (US). **KOTYLA, Timothy** [US/US]; 52 Lawrence Drive, Unit 413, Lowell, MA 01854 (US). **THEOBALD, Klaus** [US/US]; 1852 Glenwold Drive, Paoli, PA 19301 (US).

(74) Agents: **POLZIN, Atsuko, N.** et al.; Choate, Hall & Stewart LLP, Two International Place, Boston, MA 02110 (US).

(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, 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, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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

(88) Date of publication of the international search report:
17 January 2013

WO 2012/103038 A3

(54) Title: NANOPARTICLE COMPOSITIONS, FORMULATIONS THEREOF, AND USES THEREFOR

(57) Abstract: The present invention describes novel nanoparticle compositions, and systems and methods utilizing them for treating disorders and/or conditions. Methods generally involve administering nanoparticle compositions (e.g., nanoparticle compositions comprising at least one known therapeutic agent and/or independently active biologically active agent; and/or empty nanoparticle compositions) to a subject in need thereof.