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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 March 2013 (21.03.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/040080 A1

(51) **International Patent Classification**:
A61K 38/36 (2006.01) *C07K 14/745* (2006.01)

(21) **International Application Number**:
PCT/US2012/054928

(22) **International Filing Date**:
12 September 2012 (12.09.2012)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/533,484 12 September 2011 (12.09.2011) US
61/670,251 11 July 2012 (11.07.2012) US

(71) **Applicant** *(for all designated States except US)*: **PROTEGE BIOMEDICAL, LLC** [US/US]; 720 Bighorn Drive, Chanhassen, MN 55317 (US).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **WUOLLETT, Michael** [US/US]; 720 Bighorn Drive, Chanhassen, MN 55317 (US). **WUOLLETT, Susan** [US/US]; 720 Bighorn Drive, Chanhassen, MN 55317 (US).

(74) **Agents**: **BABCOCK, Audrey, J.** et al.; Briggs And Morgan, P. A., 2200 IDS Center, 80 South Eighth Street, Minneapolis, MN 55402 (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, BN, 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, PA, 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, 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))*

WO 2013/040080 A1

(54) **Title**: COMPOSITION AND DRESSING FOR WOUND TREATMENT

(57) **Abstract**: The invention provides methods and compositions for wound treatment and/or blood clot formation, e.g., arresting the flow of blood from an open wound. The methods and compositions provide for promoting and accelerating wound healing and optionally provide for inhibition of microbial infection and/or a local analgesic effect.