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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 January 2011 (13.01.2011)

PCT

(10) International Publication Number
WO 2011/005341 A3

(51) International Patent Classification:
C07K 14/31 (2006.01) *A61K 39/085* (2006.01)

(21) International Application Number:
PCT/US2010/029959

(22) International Filing Date:
5 April 2010 (05.04.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/166,432	3 April 2009 (03.04.2009)	US
61/237,956	28 August 2009 (28.08.2009)	US
61/287,996	18 December 2009 (18.12.2009)	US

(71) Applicant *(for all designated States except US)*: **UNIVERSITY OF CHICAGO** [US/US]; 5801 S. Ellis, Chicago, IL 60637 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SCHNEEWIND, Olaf** [US/US]; Office of Technology & Intellectual Property, 5555 S. Woodlawn, Suite 300, Chicago, IL 60637 (US). **CHENG, Alice** [US/US]; Office of Technology & Intellectual Property, 5555 S. Woodlawn, Suite 300, Chicago, IL 60637 (US). **MISSIAKAS, Dominique** [FR/US]; Office of Technology & Intellectual Property, 5555 S. Woodlawn, Suite 300, Chicago, IL 60637 (US). **KIM, Hwan** [KR/US]; Office of Technology & Intellectual Property, 5555 S. Woodlawn, Suite 300, Chicago, IL 60637 (US).

(74) Agent: **LANDRUM, Charles, P.**; Fulbright & Jaworski L.L.P., 600 Congress Ave., Suite 2400, Austin, TX 78701 (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, RO, RS, RU, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, 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:
9 June 2011

(54) Title: COMPOSITIONS AND METHODS RELATED TO PROTEIN A (SPA) VARIANTS

(57) Abstract: Disclosed are methods and compositions for treating or preventing a Staphylococcus bacterial infection using a non-toxigenic Protein A (SpA) variant.

WO 2011/005341 A3