

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2017/120523 A2

(43) International Publication Date
13 July 2017 (13.07.2017)

(51) International Patent Classification:
C07K 16/22 (2006.01) *A61K 39/395* (2006.01)

(21) International Application Number:
PCT/US2017/012606

(22) International Filing Date:
6 January 2017 (06.01.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/276,698 8 January 2016 (08.01.2016) US
62/328,597 27 April 2016 (27.04.2016) US
62/333,816 9 May 2016 (09.05.2016) US
62/333,810 9 May 2016 (09.05.2016) US
PCT/US2016/052014
15 September 2016 (15.09.2016) US
62/413,278 26 October 2016 (26.10.2016) US

(71) Applicant: **SCHOLAR ROCK, INC.**, [US/US]; 620 Memorial Drive, 2nd Floor, Cambridge, MA 02139 (US).

(72) Inventors: **DONOVAN, Adriana**; 36 Maxfield Street, West Roxbury, MA 02132 (US). **STRAUB, Michelle**; 237 Warren Street, Watertown, MA 02472 (US). **WAWER-SIK, Stefan**; 3 Brickyard Lane, Westborough, MA 01581 (US).

(74) Agents: **ZACHARAKIS, Maria, Laccotripe** et al.; McCarter & English, LLP, 265 Franklin Street, 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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report (Rule 48.2(g))
- with sequence listing part of description (Rule 5.2(a))



WO 2017/120523 A2

(54) Title: ANTI-PRO/LATENT MYOSTATIN ANTIBODIES AND METHODS OF USE THEREOF

(57) Abstract: The present invention relates to antibodies that specifically bind pro-myostatin and/or latent myostatin, and methods and uses thereof.