

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

(19) World Intellectual Property  
Organization  
International Bureau



(10) International Publication Number  
**WO 2017/114973 A1**

(43) International Publication Date  
6 July 2017 (06.07.2017)

(51) International Patent Classification:  
*G01N 33/574* (2006.01) *C07K 16/30* (2006.01)  
*C07K 16/26* (2006.01) *G01N 33/74* (2006.01)

(21) International Application Number:  
PCT/EP2017/050034

(22) International Filing Date:  
2 January 2017 (02.01.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
15307190.7 31 December 2015 (31.12.2015) EP  
16305133.7 5 February 2016 (05.02.2016) EP

(71) Applicant: SYNCERUS S.À R.L. [LU/LU]; 11, Côte d'Eich, 1450 Luxembourg (LU).

(72) Inventor: FLOCH, Jean-François; Château Bois de la Roche, 29610 Garlan (FR).

(74) Agent: REGIMBEAU; 20, rue de Chazelles, 75847 Paris Cedex 17 (FR).

(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).

**Declarations under Rule 4.17:**

— of inventorship (Rule 4.17(iv))

**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))



WO 2017/114973 A1

(54) Title: COMPOSITIONS AND METHODS FOR ASSESSING THE RISK OF CANCER OCCURRENCE

(57) Abstract: The present invention provides a method for evaluating the risk of occurrence of cancer in an individual.