

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
27 July 2023 (27.07.2023)



(10) International Publication Number
WO 2023/137528 A1

(51) International Patent Classification:

C12Q 1/6886 (2018.01)

(21) International Application Number:

PCT/AU2023/050039

(22) International Filing Date:

23 January 2023 (23.01.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2022900109 21 January 2022 (21.01.2022) AU

(71) Applicant: **GRIFFITH UNIVERSITY** [AU/AU]; 170
Kessels Rd, Nathan, Queensland 4111 (AU).

(72) Inventors: **PUNYADEERA, Chamindie**; C/- Griffith
University, 170 Kessels Rd, Nathan, Queensland 4111
(AU). **WEERAMANGE, Chameera**; C/- Griffith Univer-
sity, 170 Kessels Rd, Nathan, Queensland 4111 (AU).

(74) Agent: **DAVIES COLLISON CAVE PTY LTD**; 10/301
Coronation Drive, Milton, Queensland 4064 (AU).

(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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, 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, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
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, ME, 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:

- with international search report (Art. 21(3))
- in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE

(54) Title: BIOMARKERS AND USES THEREFOR

(57) Abstract: Disclosed herein are biomarkers of cancer. More particularly, the present disclosure relates to miRNA biomarkers and their use in methods, compositions, apparatuses, devices and kits for determining an indicator that is useful for assessing a likelihood that oropharyngeal cancer is present or absent in a human subject, or for assessing a likelihood of a human subject with OPC having a poor survival prognosis or good survival prognosis.

WO 2023/137528 A1