

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 July 2025 (10.07.2025)



(10) International Publication Number
WO 2025/146547 A1

- (51) **International Patent Classification:**
C12Q 1/6883 (2018.01) *G16B 25/10* (2019.01)
- (21) **International Application Number:**
PCT/GB2025/050007
- (22) **International Filing Date:**
03 January 2025 (03.01.2025)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2400180.2 05 January 2024 (05.01.2024) GB

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))
- 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))

(71) **Applicants:** **CYTOMICS LIMITED** [CN/CN]; Flat A 13/F Waterloo Plaza, 53 Waterloo Road, Kowloon, Hong Kong (CN). **THE CHINESE UNIVERSITY OF HONG KONG** [CN/CN]; Office Of Research And Knowledge, Transfer Services Room 301 Pi Ch'iu Building, Shatin New Territories, Hong Kong (CN).

(72) **Inventors:** **HUANG, Dan**; c/o Cytomics Limited, Flat A 13/F Waterloo Plaza, 53 Waterloo Road, Kowloon, Hong Kong (CN). **LEUNG, Kwong Sak**; c/o Cytomics Limited, Flat A 13/F Waterloo Plaza, 53 Waterloo Road, Kowloon, Hong Kong (CN). **TANG, Leung Sang Nelson**; c/o The Chinese University of Hong Kong, Office Of Research And Knowledge, Transfer Services Room 301 Pi Ch'iu Building, Shatin New Territories, Hong Kong (CN).

(74) **Agent:** **MATHYS & SQUIRE**; The Shard, 32 London Bridge Street, London Greater London SE1 9SG (GB).

(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, MU, 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, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,

(54) **Title:** FEVER TRIAGE

(57) **Abstract:** Provided are methods and kits useful for indicating the cause of a subject's fever, or distinguishing between different fever-causing diseases. The methods make use of ratio-based biomarkers (RBBs) and the comparison of these to practice the invention. Though fever presents with similar symptoms, that can be caused by markedly different underlying causes, the kits and methods provide simple, consistent and accurate ways in which subjects with fever may be triaged. This avoids unnecessary delay, and allows appropriate and focused management of a subject's illness to start at the earliest possible timepoint.

WO 2025/146547 A1