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- (71) **Applicant: CELLANOME, INC.** [US/US]; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US).
- (72) **Inventor; and**
- (71) **Applicant: GHERARDINI, Pier Federico** [IT/US]; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US).
- (72) **Inventors: KHURANA, Tarun Kumar**; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US). **AGAH, Ali**; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US). **WU, Yir-Shyuan**; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US).

YASAR, Filiz Gorpe; 1810 Embarcadero Road, Suite 200, Palo Alto, California 94303 (US).

(74) **Agent: PESSIAN, Maysam**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, California 94304 (US).

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(54) **Title: SYSTEMS AND METHODS FOR ANALYZING BIOLOGICAL SAMPLES**

(57) **Abstract:** The invention is directed to methods and systems for generating libraries of cDNAs on surfaces and analyzing nucleic acid molecules from a plurality of cells on a surface of a support. In some embodiments, the invention comprises methods for analyzing transcriptomes of a plurality of single cells on separate regions of the same planar surface.

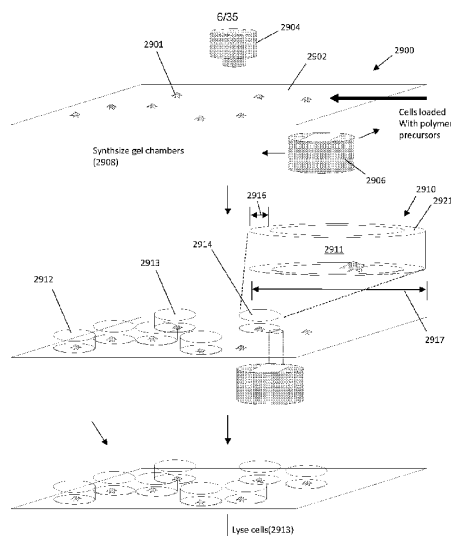


FIG. 2E

WO 2022/261507 A1

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