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(54) Title: ANALYZING THE EXPRESSION OF BIOMARKERS IN CELLS WITH MOMENTS

(57) Abstract: Cell profile data is stored. The cell profile data comprises multiplexed biometric images capturing the expression of a plurality of biomarkers by at least one tissue sample from a patient with respect to at least one field of view. Individual cells are de - lineated and segmented into compartments. At least one cell feature is calculated based on the cell's expression of each of a plurality of biomarkers. A first moment is calculated for each cell feature. The moments are examined for an association with a diagnosis, a prognosis of a response to treatment of a condition or disease. Apparatus for performing the foregoing steps are disclosed.