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(54) **Title**: SINGLE CELL GENE EXPRESSION FOR DIAGNOSIS, PROGNOSIS AND IDENTIFICATION OF DRUG TARGETS

(57) **Abstract**: Methods are provided for diagnosis and prognosis of disease by analyzing expression of a set of genes obtained from single cell analysis. Classification allows optimization of treatment, and determination of whether on whether to proceed with a specific therapy, and how to optimize dose, choice of treatment, and the like. Single cell analysis also provides for the identification and development of therapies which target mutations and/or pathways in disease-state cells.