

Title (en)

PREDICTION OF AN AGENT'S OR AGENTS' ACTIVITY ACROSS DIFFERENT CELLS AND TISSUE TYPES

Title (de)

VORHERSAGE DER AKTIVITÄT EINES ODER MEHRERER WIRKSTOFFE ZWISCHEN VERSCHIEDENEN ZELLEN UND GEWEBEARTEN

Title (fr)

PRÉDICTION DE L'ACTIVITÉ D'AGENTS SUR DIFFÉRENTS TYPES DE CELLULES ET DE TISSUS

Publication

**EP 2062181 A2 20090527 (EN)**

Application

**EP 07841494 A 20070828**

Priority

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- US 84064406 P 20060828
- US 84083406 P 20061122

Abstract (en)

[origin: WO2008027912A2] The present invention relates to a novel algorithm that uses molecular profile signatures to extrapolate the physiological processes of one type of cell set (e.g., cell line, tissue, normal or diseased) to predict the activity of an agent or agents against another type of cell set that has never been exposed to the agent in question (drug efficacy prediction). The novel algorithm also allows one to predict the therapeutic response of a patient to a therapeutic regimen even though the patient (or patients) may have never been exposed to that agent before, thereby allowing for selecting a therapeutic agent or combination of agents that would best suit the patient (i.e., personalized medicine). The present invention also relates to methods of using the agents identified by the novel algorithm to treat a variety of diseases, including cancer.

IPC 8 full level

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CPC (source: EP US)

**G16B 20/00** (2019.01 - EP); **G16B 20/20** (2019.01 - EP US); **G16B 25/10** (2019.01 - EP US); **G16B 25/00** (2019.01 - EP)

Citation (search report)

See references of WO 2008027912A2

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