

# Microarray-based expression signatures: potential application for individualized cancer treatment

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## **Microarray-based expression signatures:**

*potential application for individualized cancer treatment*

**Maud Starmans**

Maastricht, 25 november 2011

1. Proliferation is one of the major contributors to gene expression-based prognostic markers (*This thesis*)
2. A proliferation-based gene signature serves as a tumor-type-independent prognostic classifier (*This thesis*)
3. Testing batches of random gene sets can be used to assess whether a gene-expression signature beats flipping a coin (*This thesis*)
4. Differences in microarray pre-processing can alter a promising gene expression-based marker into one comparable to random chance (*This thesis*)
5. Growth for the sake of growth is the ideology of the cancer cell (*Edward Abbey*)
6. The interpretation of better and more precise patient selection methods will increase current cancer treatment effectiveness
7. Prediction is very difficult, especially if it's about the future (*Niels Bohr*)
8. Intuition becomes increasingly valuable in the new information society precisely because there is so much data (*John Naisbitt*)
9. Great dancers are not great because of their technique; they are great because of their passion (*Martha Graham*)
10. Poetry and Hums aren't things you get, they're things which get you. And all you can do is to go where they can find you (*Winnie the Pooh*)
11. Nothing shocks me. I'm a scientist (*Indiana Jones*)