METHODS FOR THE SELECTION OF SUBJECTS FOR MULTIPLE SCLEROSIS THERAPY

A variety of therapies are used to treat autoimmune diseases such as multiple sclerosis. However, there is no single therapy that can be used to treat all subjects. Thus, a method is provided to determine if a subject with an autoimmune disease, such as multiple sclerosis, will respond to a therapeutic protocol. The method includes analyzing the expression of genes expressed by the immune system. Although the expression of a single gene can be assessed, such as interleukin-8, the methods include evaluating the expression profile of a subject using an array (such as a microarray) to determine if the subject is appropriately responding to the therapeutic protocol.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : C12Q 1/68; C07H 21/04
US CL : 435/6, 91.2; 536/23.1, 24.3
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/6, 91.2; 536/23.1, 24.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Science direct

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>BECKER et al. Differential Gene Expression in Multiple Sclerosis Lesions Identified using cDNA microarrays. Jml Neuroimm. 90 1998 #395</td>
<td>1-21</td>
</tr>
</tbody>
</table>

□ Further documents are listed in the continuation of Box C.  □ See patent family annex.

□ Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search: 05 September 2005 (05.09.2005)

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