Micro-arrays for the detection of the abundance and distribution of pathogenic protozoa, flagellated algae and diatoms

**Informations projet**

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<tr>
<th>MICROPAD</th>
<th>Financé au titre de:</th>
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<tr>
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<td>FP5-LIFE QUALITY</td>
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**Objectif**

The environment is experiencing rapid and accelerating changes, largely originating from human activity, whether coming from local impacts or from the more dispersed effect of global climate change. Only now are we developing the molecular tools required to adequately document microbial diversity on a routine basis. These tools are arising from the combination of three powerful techniques, namely analytical flow cytometry, artificial neural nets and molecular probes. The latter coupled with micro-array construction provide a novel technique to quantify the abundance and distribution of microorganisms in a rapid and sensitive method. Phylogenetic micro-arrays will be developed to assess water quality, to monitor biodiversity of organisms difficult to identify by traditional means and to compare with traditional means of assessment.
Programme(s)

FP5-LIFE QUALITY - Specific Programme for research, technological development and demonstration on "Quality of life and management of living resources", 1998-2002

Thème(s)

1.1.1.-3. - Key action The "Cell factory"

Régime de financement

CSC - Cost-sharing contracts

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