

## Announcement

### INTERNATIONAL SYMPOSIUM ON ANALYTICAL METHODS AND PROBLEMS IN BIOTECHNOLOGY

An International Symposium on Analytical Methods and Problems in Biotechnology will be held in Noordwijkerhout, The Netherlands, from 17 to 19 April 1984.

The development of analytical methods for biotechnological applications is an area of growing importance. Analytical methods currently available are now being adapted for practical use in biotechnological research, development and industrial production.

A large gap remains to be bridged between experts in analytical methodology and experts in biotechnology. It is the purpose of this Symposium to outline the problems faced in this field and to describe the rapid developments taking place.

The Symposium is aimed at an interdisciplinary audience of those involved in industrial and academic biotechnology, as well as at analytical chemists themselves.

Analytical tools will be presented for process control in industrial biotechnology, for environmental biotechnology and for fundamental research. Current research activities on all aspects of analytical chemistry related to biotechnology will be described.

Topics covered will include: *analytical strategies* (on-line versus discontinuous analysis, on-line sampling, on-line process analysis); *analytical techniques* for both gas-phase and liquid-phase analysis; and *process control* (computerized data evaluation and process control, biochips, process control strategies).

The scientific programme will consist of invited plenary lectures, invited and submitted research papers (both oral and poster presentations) and discussion sessions. The Symposium language will be English.

The Symposium is organized under the auspices of the Section of Analytical Chemistry of the Royal Netherlands Chemical Society (KNCV) and the Netherlands Biotechnological Society (NBV).

A special Symposium package, including registration fee, accommodation for two nights, all meals and a copy of the Proceedings will be available at approx. Dfl. 465 (approx. US \$180).

Further information about the Symposium can be obtained from W. A. Scheffers, Symposium Analytical Methods and Problems in Biotechnology, Delft University of Technology, Laboratory of Microbiology, Julianalaan 67A, NL-2628 BC Delft, The Netherlands (Tel: (015)-782411).