

## CONFERENCE REPORT

### THE 5th INTERNATIONAL CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS AND INDUCTION OF CYTOCHROME P-450 (August 21-24, Budapest, Hungary)

The «5th International Conference on Biochemistry, Biophysics and Induction of Cytochrome P-450» was held in Budapest, at «Semmelweis» University Medical School 21-24 August, 1985 with 254 participants from 26 countries. 210 papers were presented: 37 plenary lectures delivered by leading scientists in the field, 42 oral and 102 poster presentations.

The conference covered the following areas of cytochrome P-450 research:

1. Biophysical approach to the dynamics of the structure of cytochrome P-450 and its functional implications.
2. Mechanism of oxygen and substrate activation by cytochrome P-450.
3. Component interactions in cytochrome P-450-dependent mono-oxygenatic systems.
4. Transcriptionally controlled mechanism of induction of cytochrome P-450.
5. Toxicological consequences of induction of cytochrome P-450 and its clinical relevance.
6. Cytochrome P-450 and its implication in environmental problems.
7. Cytochrome P-450 and carcinogenesis.
8. Plant and microbial cytochrome P-450s.
9. Chemistry of cytochrome P-450 reactions.
10. Theoretical aspects of cytochrome P-450.

The conference was opened by Prof. F.B. Straub, vice-president of the Hungarian Academy of Sciences, who emphasized the importance of the new findings and encouraging results presented in every symposium. A round-table «Induction and its Clinical Relevance» was also organized and chaired by R.W. Estabrook, U.S.A.; A. Kaldor, Hungary and by R. Sato, Japan. This discussion provided an opportunity for biochemists, clinicians and toxicologists could explain their views on induction and its importance in toxicology and medication.

In concluding remarks, R.W. Estabrook, U.S.A. summarized the scientific activity of the conference, the new results and outlined the direction of further research.

The Proceedings of the conference (eds. L. Vereczkey and K. Magyar) with 112 papers has been published as a joint edition of the Printing House of the Hungarian Academy of Sciences, Budapest, and of Elsevier Science Publishers, Amsterdam and can be ordered. Excursions to the Danube bend and to the Hungarian «Puszta» followed the scientific sessions and provided a good opportunity to make personal contacts with scientists from many other countries.

L.V.