

## Announcement

Third International Symposium  
on  
**MOLECULAR  
ASPECTS OF CHEMOTHERAPY**

under the auspices of the  
International  
Society of Chemotherapy

*Organized by the  
Committee on Drug Research,  
Polish Academy of Sciences and the Technical University of Gdańsk as*

Presymposium  
of the  
17th International Congress  
of Chemotherapy  
(Berlin, 23–28 June 1991)

**GDAŃSK, POLAND  
19–20 June 1991**

### General programme

The forthcoming Symposium is intended to bring together bioorganic and bioinorganic chemists, biochemists, enzymologists, biophysicists, crystallographers, quantum chemists and scientists representing other disciplines related to molecular aspects of chemotherapy. Time will also be provided for discussion of progress in molecular approaches to immune defence modulating agents, control of gene expression and other topics of interest in a 'non-toxic approach'. The meeting is aimed primarily at problems of control in eukaryotic systems, but novel concepts, approaches and perspectives relating to control in prokaryotes will also be included in the program.

It is hoped that the discussion on recent advances in the research on molecular structures and mechanisms involved in cell inhibition as well as on new methods and approaches will contribute to further development of rational basis for drug design and lead to new drug prototypes.

The Proceedings of the First and Second Symposia on Molecular Aspects of Chemotherapy (Gdańsk, July 1984 and

July 1988) were published in *Drugs Exptl Clin Res* (1986) and *Pharmacol Therapeut* (1990), respectively.

### Dates and location

The Symposium will be held in Gdańsk, Poland, 19–21 June 1991. The arrival of the participants is expected on June 18 and the departure on June 22.

### Scientific programme

Five half-day sessions are scheduled including three plenary lectures and about 20 half-hour lectures, presented by invited speakers: world authorities in respective disciplines. Their names and the titles of lectures will be given in the Second Circular. Poster sessions are also planned. The Symposium program will be carried out in the following sections: theoretical approaches to drug design, antiviral agents, antitumor agents, antifungal and antiparasitic agents, antibacterial agents, immunomodulating agents.

*(Continued overleaf)*

## *Announcement*

The following topics will be covered:

- structural basis of biological properties of active agents
- molecular mechanisms of drug–target interaction (DNA, enzymes and proteins, membranes etc.)
- molecular mechanisms of selectivity of drug action
- molecular mechanisms of drug resistance
- new targets and drug prototypes
- manipulations influencing availability of active drug molecules at their target sites (biological transport, metabolic activation and inactivation, drug targeting)
- recent developments in rational drug design and modifications (approaches and results)
- recent advances in bioorganic chemistry and mechanisms of immune defence modifying agents, and in other ‘non-toxic approaches’

The proceedings of the Symposium will comprise papers presented by the invited speakers and extended abstracts of selected posters will be published.

### **Poster sessions**

All free communications will be presented as posters. Posters should relate to Symposium topics. Abstracts of all posters will be required by 15 April 1991 to allow for publication in the conference Abstract Book.

### **Language**

The official language of the meeting will be English.

### **Organizing Committee**

E Borowski (chairman)  
D Shugar  
J Konopa  
M Gniazdowski

T Kulikowski  
W Rode  
T Czarnomska (organizing secretary)

### **International Advisory Committee**

F Arcamone, *Italy*  
A Aszalos, *USA*  
W D Celmer, *USA*  
P Chandra, *Germany*  
E De Clerq, *Belgium*  
F Le Goffic, *France*  
G W Gooday, *UK*  
P A Janssen, *Belgium*  
J W Lown, *Canada*  
G Mathé, *France*  
E Mihich, *USA*  
B Oberg, *Sweden*  
S Omura, *Japan*  
W H Prusoff, *USA*  
A C Sartorelli, *USA*  
C P Schaffner, *USA*  
M J Waring, *UK*  
B Wiedeman, *Germany*  
H Zähner, *Germany*

### **Correspondence**

All correspondence concerning the Symposium including requests for further information should be addressed to:

#### **Secretariat**

Third International Symposium on Molecular Aspects of Chemotherapy, c/o Department of Pharmaceutical Technology and Biochemistry, Technical University of Gdańsk, 11/12 Majakowskiego Street, 80-952 Gdańsk, Poland.  
Tel: 472523; telex: 0512302 plg; fax: (4858) 415821.