## G. B. MARINI-BETTÓLO (\*)

## Opening Remarks (\*\*)

First of all I wish to welcome and thank you who have accepted our intended to come here undertaking a long trip with all its disconforts, and all those who have accepted to collaborate in the success of this conference, such as the Italian Society of Tropical Medicine and the Italian Society of Pharmaceurical Sciences.

The holding of this congress in this historic place — which shows us the commistry of the civilization of Rome through the medieval corporations of the Aromateri, who were in charge of the perspantion of pharmaceuticals, up to the present industrial reality — is a symbol of the continuity of man's progress as he faces the future.

In the constructive spirit which should inspire these meetings, I invite the speakers, after having spoken on the theme of our conference, to give constructive consideration to the various problems involved and their relative priorities and to discuss approaches to solutions.

The results which we will arrive at can be of great help to governments for a new policy which takes into consideration both the social needs and cooperation in improving the standard of living of the developing countries.

Among the duties of the Academies of Sciences there is certainly that of promoting all those scientific initiatives which call public attention to those questions which science might be able to solve and which regard science itself and present important social and ethical aspects.

Today the Academy, in agreement with the Department of Science and Research and Development of the European Community, proposes the theme of those plasmaccuticals necessary to care some rare diseases — pharmaccutical with the recessary for the patients but absolutely uneconomical and therefore

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(\*\*) Introduction to International Meeting « New Strategies for Orphun Deugs» (Roma 8-9th March 1985). not considered for production and commercialization by the pharmaceutical industry, forgotten pharmaceuticals which have been suggestively defined for these pseudiarities of theirs as "orphan drugs."

Nuturally such an important event, from the social point of view, could not fall to astruct the attention of public authorities in the developed word. But powerment of the United States has taken measures to promose the research approximation of orphan drugs by a special law. In tally certain Initiatives have been taken through programs of the CNR (National Research Conscil Caley) and research by the Initiative Squeriere of Statistic (Department of Hard) and research by the Initiative Squeriere of Statistic (Department of Hard) and research by the Initiative Squeriere of Statistic (Department of Hard).

At this point I think it would be very necessary to establish on the international level — and for this we have with us numerous scientists from all parts of the world — a credible definition of orphan drugs; this would lead us consequently to the recognition of some rare modern diseases which are also called "orphan diseases".

Once we have established our aims and limits, we would then create a series of premises to assure basic research and development of these pharmaceuticals on an international basis, in view of the limited market nationally.

At the same time, the individual countries would have to study procedures on the technical and administrative levels — such as the registration and protection of patents — so that there would not be obstacles to their production and distribution.

It will not be easy to guide production along these lines and I myself have he pharmaceutical industry not to be involved in this debate, so that it is difficult to find speakers to discuss actual industrial themes.

However, the discussion of ouplan drugs is not limited to met disease; there exist in the tropic endunic disease, putatific and observine, from lepton to malaria, which affect almost two billion people — half of the present world population — for whom the plantmenticals necessary no care then have been outlated or inadequate. I might mention chloroquice, to which today the plantmention of the plantmential or malaria and other tropical diseases are not always effective and often not notice.

Endemic disease means a very serious obstacle in the path of development. It is necessary in this field to do the research again from the beginning. A start in this direction was made in 1973 by the World Health Organization with the program on Tropical Disease Research, but this is now adequate and should be expanded and made more effective on the level of the individual nations which should cooperate for development.

Today the difficulty of finding a new pharmaceutical sequites that almost all oriented research be carried on only by structures which are economially and scientifically valid, that is, by large pharmaceutical industries. However, these companies, which must give an accounting to their stockholders, cannot undertake early projects which may have limited commercial success. In fact, tropical diseases to care orderhan diseases, store are orderhan diseases, store are orderhan diseases.

them are also orphan drugs, for although they would have millions of potential buyers the economic conditions of the countries do not provide a paying market and would not assure the producers a return which would justify the reientific effort and the financial investment.

I believe this is the most important front on which we must act with regard to the orphan drugs. For this reason we have invited scientists who are working in Africa and Latin America in order to review with them the objectives and priorities, and especially to propose a new strategy to the operators and to public opiolon, nor only in Italy but in the whole world.

In this there are already some favorable signs; the research for vaccines against malest, carried on in the United States and in England, the search for a vacche against leprony which Convit in Venezuela is carrying on after the discovery that the armadilist makes it possible to do experiments in ever, the studies on relaterations and trypusocousiats being made in written African recursive the collision of the Convention of the Convention of the Convention of the our collegacy Stoppen in Agreemins.

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It is a west field of fascinating, research on the scientific frontier. Today in
some of the search of the scientific frontier is to extend to the search of the search of the scientific frontier is to the scientific frontier in the scientific frontier is to the scientific frontier in the scientific frontier is to scientific frontier in the scientific frontier is to adopt themselves to now estimations has been discovered. Sorely the biochemical and immunological approach of this research can give extraordinary results.

The Academy and the European Community, in preposing the subjects for this meeting, vasuard on only to bring these problems to the attention of the organizations responsible for research, beatth and development in each nation, but especially—as should be the case with every scientific conference — to destrmine from your presentations and discussions the requirements of the conference of the property of the conference of the conference of the conference of the page concerne understaking to make its influence felt in the bartle assistant discusses.

new concrete undertaking to make its influence left in the battle against diseases.

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