



The Abdus Salam
International Centre for Theoretical Physics




United Nations
Educational, Scientific
and Cultural Organization


International Atomic
Energy Agency

Conference on Drug Development for the Third World

5 - 9 June 2006

Miramare - Trieste, Italy

The challenge of quantitatively predicting the biological potency of new drugs based on computational physics tools is not so far from being met. Unfortunately, however, little attention has been paid to the computer-aided design of drugs in areas where pharmaceutical companies have little incentive for significant investment. To involve computational (bio) physicists from developing countries in topics related to drug design, the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste will organize a **Conference on Drug Development for the Third World**, to take place from **5 to 9 June 2006**. The Conference will present both computational and experimental approaches to therapies, with applications to specific disorders or systems. The lectures will be complemented by practical sessions on bioinformatics and molecular docking.

Topics will include:

- 1) *Computer-aided drug design*
- 2) *Molecular simulations of drug/target complexes*
- 3) *Parasitic diseases*
- 4) *Target for anti-AIDS therapy*
- 5) *Medicinal chemistry of malaria*
- 6) *Vaccine development*

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Conference. Although the main purpose of the ICTP is to help researchers from developing nations through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from developed countries are also welcome to attend. The Conference will be conducted in English.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for applicants from, and working in, developing countries only, to be selected by the Organizers. As scarcity of funds allows travel to be granted only in a few exceptional cases, every effort should be made by candidates to secure support for their fare (or at least partial fare) from their home country. Scientists from developed countries are welcome to attend but cannot be offered a subsidy. A limited number of rooms has been reserved at the conference hotel. There is no registration fee to attend the Conference.

Those interested in participating should complete and return the "Request for Participation" form (also obtainable from the ICTP WWW server: <http://agenda.ictp.it/smr.php?1755> (which will be constantly up-dated) or from the activity Secretariat, before **15 February 2006** to:

smr1755@ictp.it (please save and send file attachments in RTF format)
or

the Abdus Salam International Centre for Theoretical Physics
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Deadline:

15 February 2006