Short CV: Sanaa Botros:

Sanaa Botros "Prof. of Pharmacology, Theodor Bilharz Research Institute" is a Faculty of Medicine Cairo University graduate (M.B, B.Ch) . She headed the Pharmacology dept., from 1996-2008. Her postgraduate studies were in Pharmacology (M.Sc.; Ph.D.). She has been carrying out research work on efficacy/resistance and pharmacokinetics of antischistosomal drugs since >20 years. She has been involved in research topics on: Pharmacodynamics of antischistosomal drugs in murine and human infections with the Egyptian strain of *S. mansoni*, inter-relation between antischistosomals and the immunological status of the host, resistance to Praziquantel treatment and to reinfection after cure as emerging problems and pharmacodynamics of antiviral /hepatoprotectives in hepatitic patients. These studies helped in further elucidation of the efficacy of curently and newly introduced antischistosomals and antiviral /hepatoprotectives, the biological, pharmacological and immunological mechanisms involved in efficacy/resistance of antischistosomal drugs. She has shared and worked as PI in 14 research projects sponsored by international and national agencies, published 61 research articles in peer reviewed international journals and supervised 24 M.Sc. and Ph.D thesis. She has supervised the training and Scientific Consultation Unit of TBRI for 6 years. Also, she is the head of research proposal evaluation and the research Ethics committees, of TBRI. She has worked as temporary advisor and task force member in UNICEF/UNDP/World Bank/WHO Sponsored Helminth Drug Initiative and the African Network for Drugs/Diagnostics Innovation. She e has been awarded the state award in basic Medical Sciences 1997, the Arab Woman Organization award for Science and Technology 2008 and the African Union Woman Scientist regional award in Earth and Life Sciences 2009.

List of most relevant recent publications

1. Mahmoud, M.R. and **Botros, S. S.** (2005). Artemether as adjuvant therapy to praziquantel in murine Egyptian schistosomiasis *mansoni.* J. Parasitol., 91(1): 175-178.
2. **Botros, S.,** Sayed, H., El-Dusoki, H., Sabry, H., Rabie, I., El-Ghanam, M., Hassan, M., Abdel-Wahab, Y., Engels, D. (2005). Efficacy of Mirazid in Egyptian *Schistosoma mansoni* infected school children and households. Am. J. Trop. Med. Hyg.72 (2): 119-123.
3. Mahmoud M., Saleh S., Hassan M., Abdel-Kader R, **Botros S** (2007). Antipyrine clearance in comparison to conventional liver function tests in hepatitis C- virus patients. Europ. J Pharmacol. 569: 222-227.
4. **Botros S.** and Bennett, J.L. (2007). Praziquantel resistance. Expert Opin. Drug Discov. 2 (suppl.1):535-540.
5. **Botros,S.S;** El-Lakkany,N.M; Seif el-Din, S.H; Hammam, O.M and Ebeid, F.A.(2008) Schistosoma haematobium (Egyptian strain): Rate of development and effect of praziquantel treatment. J. Parasitol 94(2): 386-394.
6. Sabra, A. and **Botros, S.** (2008). Response of *Schistosoma mansoni* isolates having different drug sensitivity to praziquantel over several life cycle passages with and without therapeutic pressure J. Parasitol 94 (2) :537-541.
7. Doenhoff , M. J;Hagan, P.,Cioli, D., Southgate, V.,Pica –Mattocia, L.,**Botros, S**., Coles, G., Tchuem Tchuente, L.A.,Mbaye, A.,Engels, D.(2009). Praziquantel its use in control of schistosomiasis in subsaharan Africa and current research needs. Parasitology 13:1-11.
8. **Botros, S.;** William, S.; Beadle, J; Valiaeva, N.; Hostetler, K. (2009). Antischistosomal activity of hexadecyloxypropyl cyclic HPMPA and other alkoxyalkyl esters of acyclic nucleoside phosphonates assessed by schistosome worm killing in vitro. Antimicrobial Agents and Chemotherapy 53(12):5284-5287 .
9. **Botros, S**., El-Lakkany, N.; Badawy, A.; Mahmoud, S.; Ebeid, F.; Fenwick, A.(2009). Mirazid shows insignificant activity against ovine fascioliasis . Annals of Tropical Medicine and Parasitology Vol. 103, No. 7, 605–616.