



In celebrating

The International Year of Crystallography (IYCr2014)



The Egyptian National Committee of Crystallography (ENCC)

In Cooperation with

The Egyptian Society of Crystallography and its Applications (ESCA)

Organize a Symposium on:

**Structural Role of Crystallography
in Pharmacological Sciences**

24th September, 2014

National Research Center, Dokki, Cairo, Egypt

Objectives:

The process of curing a disease starts with identifying its target protein that is considered a building block in a wide range of pharmacological applications. With the three-dimensional structures of both the target protein and the appropriate medicinal compounds, extensive information can be combined to help developing better drugs. X-ray crystallography comprises the most important technique for determining the 3D-structures, and it plays a major role to identify the active conformation adopted by a protein excluding the inactive one(s). This symposium focuses on the powerful contribution of Crystallography in the field of Pharmacology, by shedding light on the basic concepts and approaches.

Program:

9:00-9:30	Registration	
9:30-10:00	Opening Session	
10:00-11:00	Quality Control in Pharmaceuticals Industry	Prof. Dr. Karimat ElSayed
11:00-12:00	Chemical Synthesis of Medicinal Drugs	Prof. Dr. Adel Girgis
12:00-13:00	Break	
13:00-14:00	Disease-related Proteins: Closer Look With Crystallography Eyes	Dr. Gihan S. Kamel
14:00-15:00	Methods and Advantages of Computer Aided Drug Design	Dr. Nasser Saad
15:00-16:00	Closing Session and Recommendations	