



The Egyptian Center for Economic Studies cordially invites you to attend a roundtable discussion on:

**RESEARCH AND DEVELOPMENT:  
POTENTIAL DRIVER OF EGYPT'S PHARMACEUTICAL INDUSTRY**

Moderator  
Dr. Omneia Helmy  
*ECES*

Speaker  
Dr. Iman Al-Ayouty  
*ECES*

Discussant  
Dr. Maged El Sherbiny,  
*Academy of Scientific Research and Technology*

**at**  
ECES Premises, Nile City Towers, North Tower, 8<sup>th</sup> Floor

**on**  
Wednesday, September 12, 2012 from 9:30 AM - 12:30 PM

In today's knowledge-based economy, research and development (R&D) is key to driving output and productivity, particularly in R&D-intensive industries like pharmaceuticals. Although to date the pharmaceutical industry in Egypt has been a modest contributor to manufacturing value added (5%), exports (3%) and employment (4%), it has the potentials for further growth, especially from the knowledge perspective. International experience indicates that a 29% growth in India's pharmaceutical firms' R&D expenditure was associated with a 15% growth in industry sales over the period 1995-2007. Today, India is an important player in the global market for generic drugs and active ingredients.

This roundtable discussion will highlight the main findings of ECES research regarding the micro and macro factors behind modest R&D performance in Egypt's pharmaceutical firms. At the micro level, an R&D strategy is evidently lacking, with firms leaning heavily towards development as opposed to basic or applied research. Moreover, there is virtually no collaboration either with other firms or with universities in research. At the macro level, public R&D expenditure remains meager, and the public R&D system lacks good governance. As such, the discussion aims to draw relevant policy implications for placing Egypt on the new, long-sought growth trajectory.

**Simultaneous interpretation will be provided**

Alaa Arafa  
*Chairman, Board of Directors*

Omneia Helmy  
*Acting Executive Director and Director of Research*

**This invitation is personal.**

**Attendance by confirmation only. Your early confirmation would be highly appreciated.**

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