



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, 8th 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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