



Life Sciences in Israel



Israel's Competitive Edge in Life Sciences

Life Changing Breakthroughs

- ▶ Pillcam, the first miniature ingested camera which diagnoses and photographs abnormalities in the gastrointestinal tract was introduced by **Given Imaging**.
- ▶ **Galil Medical's** minimally invasive cryotherapy solutions - the freezing and ablating benign cancerous tissue, hasten patients' recovery.
- ▶ **Teva's** Copaxone for the treatment of Multiple Sclerosis and Azilect for Parkinson's disease are revolutionary drugs developed in Israel.
- ▶ **Medinol's** closed cell stent is used worldwide for heart catheterization.
- ▶ Rebif, treatment for Central Nervous System disorders was developed by the **Weizmann Institute** and **Serono**.
- ▶ **Insightec** developed the ExAblate 2000 non-invasive surgery, which uses MR guided focused ultrasound to treat uterine fibroids.
- ▶ Exelon, a drug for the treatment of Alzheimer's is a product of a collaboration between the **Hebrew University** and marketed by **Novartis**.

Israel's Life Sciences industry is world renowned for innovation, ingenuity and creativity. Home to over 900 Life Science companies, with 50-60 new companies being formed each year, Israel's output in this sector has improved the quality of life for millions world over.

- Over a 1/3 of Israeli Life Sciences Start-Ups already generate revenue.
- 1st in the world for Medical Device patents per capita and 4th in bio-pharma (USPTO).
- Highest in availability of Engineers and Scientists worldwide (IMD 2007).
- Pioneering Stem Cell research & therapeutics:
 - > 1st to demonstrate in-vitro differentiation of human Embryonic Stem Cells (hESC) and generation of human embryonic bodies.
 - > 1st to genetically modify hESCs, including a line that represented a model for human disease (Lesch Nyhan disease).
 - > 1st clinical trials of cell therapy treatments.
- Extensive International R&D and Commercial Partnerships.
- Unique financing tools for young projects and companies.



Professors **Aaron Ciechanover** and **Avram Hershko** of the Technion received the Nobel Prize for Chemistry in 2004 for their discovery of Ubiquitin-mediated protein degradation, leading to breakthroughs in the understanding and treatment of diseases such as Cancer, Alzheimer's, Parkinson's disease and Cystic Fibrosis.

Maximize your return on investment >>>

>>> Invest in Israel Now

Invest in Israel
where breakthroughs happen

> 1st in R&D investments

Israel invests 4.7% of its GDP in R&D, which is the highest ratio in the world (IMD World Competitiveness Yearbook 2007).

> Preferred choice of leading global players

Microsoft, Berkshire-Hathaway, Motorola, Intel, HP, Siemens, Samsung, GE, Philips, Lucent, AOL, Cisco, Applied Materials, Winbond, IBM and J&J, are just a few examples of multinationals that run core activities in Israel.

> Profit-driving innovations

Disk-on-key technology, IP Telephony, Zip compression, the ingestible pill size camera, modern drip-irrigation technology, ICQ instant messenger and many more were all Israeli breakthroughs.

> Flourishing start-up and VC industries

Ranked 2nd in the world for Venture Capital availability, Israel provides its entrepreneurs with the necessary backing to turn their innovative ideas into profitable businesses (2006-7 WEF Global Competitiveness Yearbook).

> Deeply integrated into the world economy

Israel has the largest number of companies listed on the NASDAQ outside of the United States and approximately 70 Israeli companies are traded on various European exchanges.

> Supportive technological infrastructure

Ranked 3rd in the world for technological readiness, Israel provides multinationals an environment suitable for the most demanding business requirements (2006-7 WEF Global Competitiveness Yearbook).

> Attentive government support

The Israeli government offers investment grants, R&D grants and tax benefits, as well as guidance throughout the investment process.

“We put \$4B into a company based here. It's never going to move. It's always going to be an Israeli company, and we haven't done that in any other country in the world.”

Warren Buffett
Berkshire Hathaway
March 2006

“We were attracted by the outstanding research and researchers here [in Israel].”

David M. Bowser
Johnson & Johnson, Vice
President, Corporate Office
of Science and Technology
March 2006

Invest in Israel

Israel's Investment Promotion Center serves as a focal point for foreign based companies and individuals interested in investigating direct investment and joint venture opportunities in Israel. The center works closely with potential and current investors throughout the investment process and serves as a source for investment related information.