



Life Sciences in Israel



Israel's Competitive Edge in Life Sciences

Life Changing Breakthroughs

- ▶ The first Pillcam, a miniature ingested camera which diagnoses and photographs abnormalities in the gastrointestinal tract was introduced by **Given Imaging**.
- ▶ **Galil Medical's** minimally invasive cryotherapy solutions allow the freezing and ablating benign cancerous tissue, thus hastening 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, one of the first stents on the market.
- ▶ Rebif, treatment for Central Nervous System disorders was developed by the **Weizmann Institute** and **Serono**.
- ▶ **Insightec** developed the ExBlate 2000, a non-invasive surgery, which uses MR guided focused ultrasound to treat uterine fibroids.
- ▶ Exelon, a drug for the treatment of Alzheimer's originated from research conducted at the **Hebrew University** and was developed and marketed by **Novartis Pharmaceuticals**.

Israel's Life Sciences industry is world renowned for innovation, ingenuity and creativity. Home to over 1,000 Life Science companies, and with some 80 new companies formed each year, Israel's Life Science sector has produced numerous medical devices and medications that have helped improve the quality of life for millions the world over.

- 1st. in the World in R&D investments - 4.7% of GDP (OECD factbook 2009)
- 2nd. in the World in availability of Engineers and Scientists (IMD 2009).
- 3rd. in the World for both Bio-Pharma and Medical Device patents per capita (USPTO-2008).
- 3rd in the World for quality of research institutes, creating a solid infrastructure for knowledge sharing between academy and industry (IMD - 2009)
- Pioneering Stem Cell research & therapeutics:
 - > 1st to demonstrate in-vitro differentiation of human Embryonic Stem Cells (hESC) and generation of human embryonic bodies.
- Extensive international R&D agreements and partnerships. The Israeli government offers attractive R&D financing programs.



Three Israeli academics have won the Nobel Prize in Chemistry. Professor Ada Yonath of the Weizmann Institute received the Nobel Prize in 2009 for showing how ribosomes function, which has important implications for developing antibiotics.

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.

>>> Invest in Israel Now

Invest in Israel
where breakthroughs happen

> 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 1st in the world for number of start-ups per capita and Ranked 3rd in the world for Venture Capital availability, Israel provides its entrepreneurs with the necessary backing to turn their innovative ideas into profitable businesses (IMD Global Competitiveness Yearbook 2009).

> 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.

> Highly-educated available workforce

Israel is ranked 2nd in the world for availability of qualified scientists and engineers and 1st in terms of total public expenditure on education as a percentage of GDP (IMD Global Competitiveness Yearbook 2009) and provides multinationals with an exceedingly professional and skilled labor market.

> Attentive government support

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

“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

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.