



Cardiff

THE CAPITAL OPPORTUNITY

Life Sciences



www.investincardiff.com



Cardiff: Life Sciences Cluster

Cardiff has one of the fastest growing economies in the UK, supported by a flourishing life sciences sector of over 200 companies. The city's success adds considerable value to the strength and reputation of the life sciences sector within Wales and the UK.

Its strategic location on the high-tech M4 corridor enables access to London in two hours, and to other major cities in the UK through either the road or rail network. Cardiff Airport provides 30 flights a day to UK and European cities and onward links through a global network, Heathrow Airport is less than an hour and a half's drive away.

Cardiff has experienced spectacular economic growth over the last 10 years. It now boasts one of the fastest growing economies in the UK and the highest growth in private sector employment over the last 10 years of all UK core cities. The UK Competitiveness Index 2010 ranked Cardiff strongly overall, being one of only four larger cities achieving a level of competitiveness above the UK average.

The offer for the life sciences sector is built on ground-breaking research at the city's Nobel prize-winning Cardiff University. In addition, the city-region is home to major international companies such as GE Healthcare, BBInternational, Huntleigh Diagnostics, Norgine, Ortho Clinical Diagnostics, Penn Pharma, Quotient Bioresearch - as well as SMEs and incubator companies.

Cardiff city-region offers a leading advanced communications infrastructure, access to finance, a competitive cost base for labour and property and one of the most highly skilled workforces in the UK.

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Cardiff Bay



Knowledge Assets Delivering a Bright Future

The knowledge capacity of the city is driven by a growing focus on R&D, supported by strong research intensive and commercially focused universities

Cardiff University (www.cardiff.ac.uk) is the city's top-tier research institution enjoying a growing international reputation for research excellence. It has over 30,000 students, is a member of the prestigious Russell Group of top UK universities, and is ranked in the top 100 of the world's universities.

In 2009-10, Cardiff University recorded its best ever year for winning new research grants, valued at just under £150 million. This represents an increase of 73% on 2008-09 and a 36% increase on the University's previous record of £110 million. Cardiff University's School of Medicine alone won almost 200 new grants and contracts, totalling £74.3 million.

The cutting-edge life sciences research at Cardiff University was

recognised in 2007 with the Nobel Prize for Medicine being awarded to Professor Sir Martin Evans, now President of the University, for a series of groundbreaking discoveries in embryonic stem cell research and DNA recombination in mammals.

The University of Wales Institute, Cardiff (www.uwic.ac.uk) has a practical focus and a reputation for applied research and working with industry.

The University of Glamorgan (www.glam.ac.uk), also based in the city, is renowned for its focus on industry.

Each university has dedicated technology and knowledge transfer teams for exploiting the commercial potential of their life sciences expertise.



Outstanding Expertise: Centres of Excellence

The City's three universities have a breadth of life sciences related research expertise, covering:

- Pharmacy;
- Tissue engineering and repair;
- Medical genetics;
- Clinical trials;
- Genomics and stem cell research;
- Medical technology;
- Neuroscience.

There are also a number of focused Centres of Excellence for technology and industrial collaboration relating to the life sciences:

- Cardiff University's Cancer Stem Cell Research Institute aims to develop new cancer therapies that will make a real difference to the lives of patients.
- Cardiff University's Neuroscience and Mental Health Research Institute brings together world-class leaders in ground-breaking neuroscience and mental health research to seek answers to the major mental disorders.

- UWIC's National Centre for Product Design and Development Research is a leading UK and international centre in product design encompassing the full range of design support from original research, user insight and analysis through to product design, prototyping, low volume rapid manufacture, tooling and manufacture support.
- The University of Glamorgan's Centre for Electronic Product Engineering supports industry with expert advice, feasibility studies and development of products and solutions in the microelectronic, electronic, embedded systems, embedded internet and wireless communications and related fields.

Cutting-edge design by National Centre for Product Design, UWIC

The ShakerScope is a robust kinetically powered light source which is powered by shaking it up and down. It was re-designed in 2008 by UWIC's National Centre for Product Design (PDR) to incorporate sleek minimalist styling and a range of additional features including a water- and dust- proof outer shell made from antibacterial plastics. A pre-production prototype has been used by army medics on active service in Afghanistan with very positive reviews.

The new design won the Medical Healthcare category of the 2008 International Forum Design Awards and the 2008 Red Dot Product Design Awards.



Innovation Support and Business Incubation

A number of bodies, including the Welsh Assembly Government and Cardiff Council have worked in close partnership to support the establishment and development of a vibrant life sciences cluster in Cardiff. This cluster has particular strengths in the fields of oncology, wound healing, in-vitro diagnostics and medical devices.

Cardiff's business community benefits from access to a range of generic and tailored business support that is designed to encourage investment in R&D, recruitment, skills, and access to overseas markets.

Cardiff has already benefited from a broad range of successful life sciences companies choosing to locate here, including BBInternational, GE Healthcare, Molecular Light Technology, Q Chip and Concateno Trichotech.

Newly formed life sciences companies are incubated at the Cardiff Medicentre, (www.cardiffmedicentre.co.uk) located on the University Hospital of Wales campus which extends across 53 acres and provides a working base for over 4,000 people.

This campus is also home to the Cardiff University Medical School, offering access to a wealth of expertise in life sciences. Current incubation tenants at the Cardiff Medicentre include:

- AssayMetrics
- Authentic World
- Cardiff Research Consortium
- Cardiff Scintigraphics
- Diurnal
- Medaphor
- Ovasort
- Pharmatelligence
- Picofluidics
- smile-on
- Time for Medicine
- You Can Clinic

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Cardiff Medicentre



Cardiff
Medicentre

Access to Finance

The city operates a 'Team Cardiff' approach, bringing together the full range of public support agencies and private investors to make integration into the city as smooth as possible. Local sources of venture capital funding are available and a number of businesses at the Mediacentre have received funding from some of the following:

Capital Cardiff Fund **(www.capitalcardiff.info)**

Cardiff Council has allocated business support funding for new capital expenditure projects that will safeguard and/or create jobs in the city. The fund offers business support through a range of financial assistance packages including loans, equity and grants aimed at both start-up growth businesses and existing companies that need assistance to undertake investment.

Finance Wales **(www.financewales.co.uk)**

Finance Wales makes commercial investments in Wales-based businesses with the potential to grow. The aim is to encourage innovation and entrepreneurship by offering financial solutions on a commercial basis, designed to complement existing sources of finance.

Fusion IP **(www.fusionip.co.uk)**

Fusion IP owns the rights to Cardiff University research and assists in the commercialisation of world-class research emanating from the institution.





Who to contact:

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