

Versie 2021.02

# Immunology and cell therapy, meet our community

*We invite you to meet our  
community and discover  
our success story!*

Based on a history of over 100 years of pharma innovation initiated by Organon, Brabant is an increasingly popular location for biotech companies, especially immunology and cell therapy. In Brabant you will find an 'Industry Based Ecosystem', where people know what it takes to get a product/medicine into the market. And the proof of this are recent showcases like Keytruda (MSD) and Calquence (Acerta Pharma/AstraZeneca).

**BRABANT  
IS BRIGHT**

**BRABANT  
IS BRIGHT**

100 years  
of pharma  
innovation  
*initiated by*  
**Organon**

## HISTORY

100 years in the making. Brabant's development into a pharmaceutical hotspot grew out of its industrialisation in the 19th century when Dr. Saal van Zwanenberg founded Organon. The company grew into the largest pharmaceutical company in the Netherlands. In 2009 Organon was acquired by Schering Plough, which was in turn bought by MSD in 2009.

## TODAY

MSD is growing fast in Brabant with more than 4,000 people working at three locations. In 2012, the R&D-site of MSD/Organon has been transformed into an open innovation campus called Pivot Park, at present with over 600 people and 60 companies working closely together on drug discovery and development, with a special focus on Immunology. And all this with drug success stories such as Pembrolizumab (Keytruda) and Calquence (Acerta Pharma/AstraZeneca).

1923



2021



# Why Brabant excels in Immunology?

## INDUSTRY BASED ECOSYSTEM



Because of our **Industry Based Ecosystem**, we know what it takes to get a product/medicine into the market.

## HIGHLY SPECIALIZED CAMPUS



Pivot Park is **highly specialized and concentrated campus**, on a relative small premises (6 ha.), 60 companies and 600 people work closely together on drug discovery, with a special focus on cell therapy and immunology.

## ADAPTIVE COLLABORATIVE CULTURE



**The people** in Brabant have an adaptive and collaborative culture. People are used to change and are working in an international environment.

## SHARED LAB FACILITIES



**Shared facilities and network:** At Pivot Park this includes customized biological lab facilities, routes to specialist finance, shared gateways to knowledge and access to outstanding scientific and entrepreneurial expertise.

**BRABANT  
IS BRIGHT**

# Our Ecosystem

## World Class Research

*Within a radius of 150 km around Brabant, there are 27 universities in three countries: a total of 605,340 students, 255,680 of which in the field of nature, health or technology. These are the leading research institutes for Immunology.*



## WORLD CLASS RESEARCH

1. **HAS University (Den Bosch)** offers programmes that focus on the practical application of arts and sciences and works actively with local and international business in the field of applied biology.
2. **Radboud University (Nijmegen)** works together with Radboudumc, an academic hospital, and offers courses about immunology.
3. **HAN University (Nijmegen)** trains students to become professionals in the domains nursing, allied medical care and arts therapy. HAN also offers immunology courses.
4. **Utrecht Medical Centre (Utrecht)** is a public health care institution, with one of its key research themes being Molecular and cellular science & therapy.

**BRABANT  
IS BRIGHT**

# Our Ecosystem

## Leading companies

*Brabant accounts for 920 LS&H companies and 23,5% of all jobs of the total LS&H sector in the Netherlands. These are the leading companies in the field of Immunology.*



Den Bosch

OSS



## LEADING COMPANIES

1. **MSD Biotech** Operations has advanced production locations for biotechnological production (Keytruda) and is leading in the analytical field.
2. **Glycostem** is pioneering, developing and manufacturing off-the-shelf NK cells.
3. **ENPICOM**, aims to become the global leader in personalizing immunotherapy with groundbreaking bioinformatics.
4. **Acerta Pharma** serves as AstraZeneca's haematology research and development arm.
5. **Lead Pharma** is a pharmaceutical company focusing on the discovery and development of innovative medicines for the treatment of immune diseases and cancer.
6. **ImmunoPrecise Antibodies (IPA)** is a full-service, therapeutic antibody discovery company.



# State-of-the-art facilities

## Pivot Park Leading in immunology, oncology and cell therapy

Pivot Park is an increasingly popular location for companies focusing on the biopharmaceutical and biotech subset of the pharma industry, in which drugs are produced using biological methods instead of chemical synthesis.

### STATE-OF-THE-ART LABORATORIES

State-of-the-art biological and chemical laboratories and numerous modern chemical laboratories for synthesis and analysis with included services and utilities that are comprehensive.

### OPEN ACCESS LABORATORIES WITH SHARED EQUIPMENT

Pivot Park offers an Open Access Lab for laboratory automation and is equipped with reliable, shared equipment. NMR and LC-MS analytic services on site.

### ULTRA-HIGH THROUGHPUT SCREENING CENTRE

The Screening Centre offers ultra-High Throughput Screening (uHTS) and lab automation services to accelerate drug discovery programmes. The Compound Library with 300,000 high quality drug-like compounds is available to perform your drug discovery screens. Shared Mass Spectrometry (MS) is integrated as read-out technology into the uHTS system.

### GMP-CERTIFIED PILOT PLANTS

BioConnection offers contract services and GMP manufacturing for the development and production of sterile and non-sterile pharmaceutical drug products. The Pivot Park facility is EMA and FDA certified and is ideal for small to medium batch sizes for both clinical trial material and commercial product supply.

### ON-SITE ANALYTICAL AND ENTREPRENEURIAL SUPPORT

Pivot Park has tenants who provide a wide range of analytical and entrepreneurial services on site. These include lab services, regulatory consultants, patent advisors, commercial law services and knowledge-sharing stimulators.

### PLATFORM TECHNOLOGIES

“A growing number of companies at Pivot Park make their specialised equipment available to the rest of the community. Besides NMR and LC-MS facilities, tenants in the Pivot Park community can hire a range of devices. This equipment is ready to use, guided by an expert.

# Glycostem



**World class Research:** Glycostem Therapeutics, is a leading clinical-stage company focused on the development of therapeutic off-the-shelf Natural Killer (NK) cells.



**Centre of Excellence:** oNKord® is produced in a closed system in Glycostem's, state-of-the-art and GMP (Good Manufacturing Practice) licensed production facility at the Pivot Park in Oss.



**Recent Milestones:** Glycostem has started of oNKord® clinical trial in AML (WiNK study) patient in November 2020. The trial will take place in 5 European countries with the possible addition of a US trial center for the pivotal part of the trial.



“Being at Pivot Park is a source of great inspiration and collaboration. We are currently active with four different companies on pioneering and mould-breaking research and development.”

Troels Jordansen  
CEO Glycostem

The move by the European Medical Agency from London to Amsterdam makes the Netherlands increasingly important within pharmaceutical science and underlines how the Dutch pharmaceutical science industry is now participating alongside the world's leaders. Within this, Pivot Park is an important player, and a number of key pharmaceutical companies are established here, which is very inspiring for everyone.