



Guide

Drug Discovery & Development companies and institutes

Oss - Boxmeer - Nijmegen
The Netherlands
2019



Making the difference



Introduction

The region Oss - Boxmeer - Nijmegen is known to be highly active in life sciences and is home to many pharmaceutical-related companies and institutes. Together they form a complete value chain in the field of drug discovery, development, and manufacturing. Of course there are many specialised service providers too, in the areas of logistics or staffing for example. Although the players in the field of drug discovery and development are internationally active without exception, there is also a demand for local and regional collaboration between businesses, education and research institutions, hospitals, and government authorities. The campuses and Health Valley, the largest innovation network in Life Sciences & Health in the Netherlands, fulfil a crucial role in bringing the relevant parties together and profiling the region as “the place to be” in the field of life sciences. This guide aims to clarify which players are active in the area of drug discovery and development in the Oss - Boxmeer - Nijmegen region. We provide this information to parties in the region, in other parts of the Netherlands, and abroad to show the fantastic benefits of trading, working, studying, and living here, and to make the region even stronger!

This publication was created in cooperation with many different people and organisations. In particular, we would like to mention:

- Novio Tech Campus
- Mercator Technology & Science Park
- Pivot Park
- Gemeente Boxmeer

They enabled us to offer you a free listing in this guide.

The next update will be published by mid-2020. Would you like to add your organisation? Do you want to make changes? Please contact us by e-mail at communicatie@healthvalley.nl

We hope you enjoy reading this guide!



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Team Health Valley

Next edition

The next edition of this guide will be launched in 2020, any suggestions or changes must be sent to communicatie@healthvalley.nl.

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Partners of this publication:



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1 Campuses

Guide
Drug Discovery & Development
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1.1 Campus Heyendaal

The place to be in Nijmegen for Drug Discovery & Development is Campus Heyendaal. In walking distance you will find Radboud University, Radboud University Medical Center, HAN University of Applied Science and Mercator Technology and Science Park with office space and support tailored to the needs R&D companies in Life Sciences, Health and High Tech. On a daily basis 50.000 students, 20.000 employees, of which 5000 academics, turn excellent science into new innovations and opportunities for society.

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www.ru.nl/bvcampus

1.2 Health Campus Boxmeer

The Health Campus Boxmeer (HCB) will become a complex of companies that are active in the field of health care or are directly affiliated with it.



High architectural requirements and mainly covered parking create a park-like environment where it is nice to work. The 25-hectare site, directly on the A-77, is a unique location. With a direct connection to the A-77, Weeze Airport can be reached within 20 minutes and Düsseldorf Airport within 50 minutes. 10 million people live in a radius of 1 hour travel. The area is ready for construction and has a zoning plan with the specific indication “care/health-related”. To the north of the HCB there are also possibilities for care/health-related production companies.

The campus is like a biotope, the best breeding ground for a certain “species”. The philosophy of the campus is based on the premise that bringing activities together from one specific segment has a stimulating effect. On the one hand, competition leads to more ambition, on the other hand, cooperation generates inspiration, innovation and profit. Staff and knowledge can be exchanged in the sphere of open innovation. Joint services (shared centers) can be started and the profile of the HCB is ideal for creating innovative projects and granting subsidies.

The appearance of the HCB is not strictly limited to the terrain on the A-77. Firms in Boxmeer such as Nobilon, MSD Animal Health, Nutreco and Hendrix Genetics certainly also belong to the HCB family. In a wider setting, the HCB should be considered as a partner in the network of Food Valley (Wageningen), High Tech Campus (Eindhoven), Health Valley (Nijmegen) en Pivot Park (Oss).



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www.boxmeer.nl/ondernemers

1.3 Novio Tech Campus



Knowledge, business and innovation come together on Novio Tech Campus. Open innovation between researchers and entrepreneurs in Health and High Tech leads to growth, making the campus an innovative hotspot for products and services of a better, healthier world. From a preventive malaria-drug, to a new generation of chips. It's happening on Novio Tech Campus: Where Innovation Works.

Over the past years, Novio Tech Campus has grown strongly. The campus houses over 70 companies, from start-up to multinational, where more than 3.400 people are employed. Novio Tech Campus is the centre of Health and High Tech in the Nijmegen region. Because of the close collaboration with partners in this ecosystem, the campus is able to offer more than just office space. Entrepreneurs on our campus have access to the expertise, facilities and (inter)national networks of companies and knowledge institutions. Start-ups and young companies are provided with an integrated package of facilities and support for their enterprise.

Open Innovation is key to Novio Tech Campus. Events lead to networking and collaboration, which often results in exciting projects and initiatives. For example, during the High Tech Network Meetings, where engineers and programmers in the Nijmegen region meet and get updated on developments in High Tech. Science Meets Business gatherings put up a link between academic research and business. And the Briskr Academy provides Health and High Tech start-ups with relevant knowledge when starting up a company. These events are open to companies on and off campus.

The campus offers high end lab facilities on all ML levels, as well as shared services. For companies who want to build their own premises, there are plenty of opportunities on Novio Tech Campus. Check them out on: www.noviotechcampus.com

Services & facilities

When settling on Novio Tech Campus, you are offered a broad range of services and facilities. From entrance to worldclass events to a reception desk that is available for your questions. Novio Tech Campus offers tailor-made facilities in a close community with a dedicated team that always helps looking for solutions.

Available spaces

- Different types of laboratories (ML1-ML3 / tailor-made)
- Cleanrooms
- Pilot plants
- Office spaces

Support for your business

- Business support & coaching
- Entrance to High Tech events, eg.: High Tech Network Meeting.
- Entrance to Health events, eg.: Science Meets Business gatherings.
- Community activities, eg.: monthly Meet&Eat for all companies on campus.
- Connection with funding partners.
- Access to a Health & High Tech network, as well on campus as on an (inter)national level

Services

- Building and site management
- Reception desk (open from 08.00 - 16.30)
- Meeting rooms (from conference rooms to event halls)
- Coffee corners
- Parking lots
- Waste collection
- Security
- EHS and Arbo services
- Emergency Response Service (BHV)
- Goods and mail deliveries
- Cleaning
- Great accessibility by car and public transport (next to the Goffert railway station)

Shared equipment

Equipment in the Health and High Tech industry can often be of high cost. That's why Novio Tech Campus helps companies through offering various types of equipment:

- HPLC 1: Agilent/HP 1100
- LCMS: Agilent 1260 Infinity with 6-column changer and DAD detector, linked to 6120 Quadrupole MS (single-quad with ESI or APCI source).
- Genevac centrifugal evaporator
- Autoclave
- Fume cupboards
- Gases (natural gas, nitrogen, compressed air)•
- Industrial glassware washer
- Various glassware

If the above doesn't meet your requirements, please contact us. Together we will find a solution that fits your challenges.

www.noviotechcampus.com



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Website

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Pivot Park is The Netherlands' favourite campus for biopharmaceutical innovation and development of new products and therapies. Providing home to a rapidly increasing number of - successful - companies with a successful, growing campus and a close-knit community.

The companies at Pivot Park are part of a high-quality network of companies and knowledge institutes. The campus offers lab-, office- and production facilities with open access to pharmaceutical R&D facilities and expertise. Entrepreneurs at Pivot Park are optimally supported in the areas of knowledge exchange and entrepreneurship. This gives companies the opportunity to excel, grow and accelerate in the area of drug discovery and development.

The Pivot Park ecosystem consists of an active and innovative pharma R&D Community, that acts as a hub within a broader international network. The campus connects knowledge and experience between established companies, start-ups and spin-outs. Our business support regarding access to grants, private investments and venture capital will provide start-ups with all the ingredients for kick-starting their company the best way possible.

Among the almost 60 companies are start-ups and scale-ups, and also two GMP-qualified pilot plants (gram-to-kilogram and fill and finish) and an ultra High Throughput Screening Centre for the acceleration of your drug discovery. On-site analytical support (NMR and LCMS a.o.) and a well-equipped Open Access Laboratory make investments in own equipment less of a challenge.

Pivot Park is based in the heart of the city of Oss, the Netherlands, at one site with an open character. The city of Oss is surrounded by several knowledge institutions offering you access to a large pool of talented employees. Besides this Oss is perfectly accessible by car and public transport and the different international airports in its surroundings.

Life sciences culture is embedded in our site and in our community, which makes Pivot Park the hotspot for pharmaceutical innovation.

Services

What makes our park special is the fact that we have the unique means and knowledge to support drug development activities. Our highly experienced staff possesses a wealth of extensive in-depth knowledge. They provide support in a variety of areas, from maintenance and equipment of laboratories, autoclaving and washing glassware to handling complex gases, waste removal and environmental regulations.

We offer a very broad range of resources and services for companies involved in life sciences and the pharmaceutical research and development sector.

Available services at Pivot Park are a.o.:

- Building and site management
- Waste collection
- Security
- EHS and Arbo services
- Emergency Response Service (BHV)
- Goods and mail deliveries
- Cleaning
- Meeting Centre
- Restaurant
- Coffee corners
- Autoclaving and rinsing
- Utilities (Demineralised water, Compressed air, Nitrogen (gas), Vacuum, CO2)
- Liquid nitrogen

Specific lab services

- Central Cell line storage
- Cryobank (for your own cell line storage)
- Hydrogenation lab
- Quarantine lab

Equipment

A growing list with accessible equipment through the Pivot Park Community and a well-equipped Open Access Laboratory make investments in own equipment less of a challenge.

An overview:

- Agilent/Avantes UV-Vis spectrometer
- Biomek FX
- Lab Automation Workstation
- Bohle container mixer 5-10-20 L
- Bruker NIR MPA spectrometer
- Echo® 555 Liquid handler for high throughput screening
- EnVision Multilabel Plate Reader
- FACS Canto II, 3 lasers, 8 kleuren (4-2-2 configuratie)
- Flashforge Dreamer
- Flipr Tetra High-Throughput Cellular Screening System
- IncuCyte® Zoom Live-Cell Analysis System
- Malvern Sapphire NIR Imager
- MESO Quickplex SQ 120 (Meso Scale Diagnostics)
- Odyssey
- Operetta High-Content Imaging System
- PlateLoc Thermal Microplate Sealer
- Plateprep Island
- Proxima 2850
- Screening Island
- Tecan Infinite M1000
- Thorlabs Telesto II OCT
- XPeel
- X-Ray
- Zeiss Stereo Microscope



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2 Research

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Radboud University is a broad, internationally oriented research university. We value quality, combining excellent education with leading-edge research. Our academic expertise is closely related to important societal issues and contributes to applications in several sectors, including Life Sciences & Health. We play an important role in transferring knowledge to society and collaborate with regional entrepreneurs, research institutes, hospitals, public bodies and companies.

General information about research within Radboud University can be found on: www.ru.nl/english/research/radboud/profile

An overview of the top research areas within Radboud University related to Drug Discovery and Development:

- Compound synthesis, lead generation and optimization in drug discovery
- Metabolite identification and biomarker discovery
- Gene regulation
- Molecular developmental biology
- Single cell technology
- Stem cell and regenerative technology
- Neuroscience
- Immunoscience and autoimmune disease profiling
- Nanomedicine
- Microbiome
- Pharmaceutical polymorphism
- Infection and Vaccines
- Nano drug delivery and targeted drug delivery
- Data Science, Artificial Intelligence and Cyber Security
- Production- and proces optimisation
- 3R: Replacement, Reduction and Refinement of animal studies
- eHealth

Research at Radboud University is clustered in interdisciplinary thematic research institutes. The research institutes with focused activities in drug discovery and development include:

- Donders Centre for Neuroscience (DCN)
- Institute for Computing and Information Sciences (ICIS)
- Institute for Molecules and Materials (IMM)
- Radboud Institute for Molecular Life Sciences (RIMLS)

An overview of the most significant life sciences & health laboratories and research facilities within Radboud University:

- Scanning Probe Microscopy
- High Field Magnetic Laboratory (HFML)
- NMR Laboratory
- FELIX Laboratory (Free Electron Lasers for Infrared eXperiments)
- Life Science Trace Gas Facilities

More information about the labs and facilities can be found on: www.ru.nl/science/research/about-our-research/labs-facilities/

Through Radboud Research Facilities (RRF), companies, research institutes, and start-ups can use these laboratories, facilities and equipment, as well as the knowledge and expertise that is provided by Radboud University and Radboudumc. By making these high-quality equipment available for external use, company innovations can be accelerated. We are open for multiple ways of collaboration, from contract research to cooperation in subsidized projects.

More information and contact details about Radboud Research Facilities can be found on: www.ru.nl/radboudresearchfacilities/english/

For collaborating with Radboud University in drug discovery and development, please contact Radboud Innovation Science, the technology transfer office of the Faculty of Science: www.ru.nl/fnwi/onderzoek/radboud-innovation-science/contact/document/

The Radboud university medical center is a leading academic center, with the mission ‘to have a significant impact on healthcare’. Examples of our impact are our renown research lines on prostate cancer, on malaria, and on the immune system, the diagnostic test for Q-fever, the surgical robot for MRI, ParkinsonNet, the diagnostic PCA3 test for prostate cancer, Food4Care, and our spin-off companies, such as Thirona and Screenpoint both focused on radiological imaging.

The R&D activities at the medical center are subdivided in 18 research themes, including:

- Cancer development and immune response
- Infectious Diseases
- Reconstructive and Regenerative Medicine
- Neurosciences and disease
- Sensory disorders
- and others

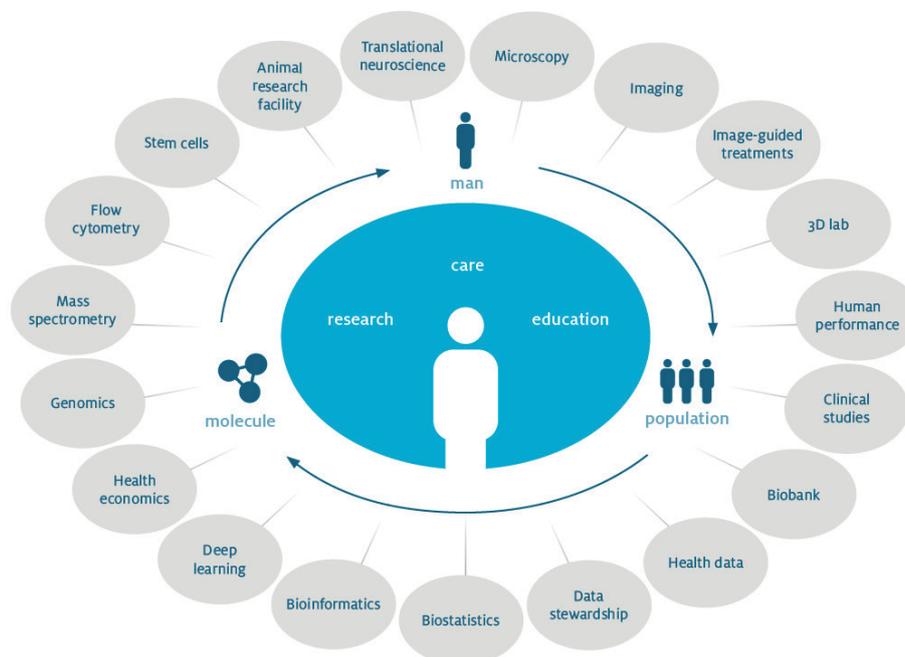
Beside the research themes, the Radboudumc technology centers are an access point for technological expertise, high-end equipment and biobanks. We can support a wealth of research questions from our own researchers, as well as external companies and institutions. Depending on the demand, the expertise of several centers can be combined to offer the best possible solution for research questions.

We have extensive experience in collaborating with industry ranging from big pharma, bio tech to start-up companies in R&D and clinical trials. We recently strengthened our collaboration with Janssen Pharmaceutica NV, Janssen-Cilag B.V. and Janssen Vaccines & Prevention B.V to bring high quality innovative academic research faster to the patient, we concluded a partnership with Viiv Healthcare for identification of novel targets in HIV and we entered into a collaboration with Imec and Wageningen University for OnePlanet.

General information about research within the Radboudumc can be found on: www.radboudumc.nl/en/research

Research institutes and themes

Radboud institute for Health Sciences		Healthcare improvement science	Donders Center for Medical Neuroscience
Cancer development and immune defense	Infectious diseases and global health	Alzheimer's disease	
Rare cancers	Inflammatory diseases	Disorders of movement	
Tumors of the digestive tract	Mitochondrial diseases	Neurodevelopmental disorders	
Urological cancers	Reconstructive and regenerative medicine	Sensory disorders	
Women's cancers	Renal disorders	Stress-related disorders	
	Vascular damage		
Nanomedicine			
Radboud institute for Molecular Life Sciences			



2.3 HAN BioCentre



The HAN BioCentre is the Centre of Expertise for Biotechnology and Analysis at the HAN University of Applied Sciences in Nijmegen.

We carry out applied research within the theme of Biodiscovery in collaboration with business partners and other research institutes. The resulting knowledge contributes to the Biobased Economy, Drug Discovery and Data science. The research and facilities of the HAN BioCentre are accessible for professionals, lecturers, students and businesses. A fertile environment for innovation!

We provide applied research within the whole Biodiscovery chain: from discovery through analysis, to production and application of (new) biomolecules. These molecules include, for example, new enzymes, bioactive peptides, anti-microbial components, but also secondary plant metabolites. The application domains include the agricultural as well as the food/feed and life sciences sector.

Services and Products

- Contract research
- Cooperative research
- Facility sharing
- Tailor made courses: fermentation technology, downstream processing, introduction to mass

spectrometry, proteomics, applied microbial genomics and plant tissue culturing techniques.

Facilities

- Lc-ESI-Ion Trap MS (Liquid Chromatography-Mass Spectrometry)
- Confocal laser microscope
- Scanning electron microscope
- Bioreactors ranging between 1 and 20 litres
- Cell disrupter homogenizer
- Various filtration units
- FPLC systems (Fast Protein Liquid Chromatography)
- GC for fatty acid analysis
- qPCR and PCR systems
- Freeze dryer
- Fluorescence microscope
- Multiplate reader
- Various HPLC systems with UV, DAD, fluorescence and ELSD detection
- Several GC systems with FID detection
- GC-MS
- Headspace-GC-MS
- DSC (Differential Scanning Calorimetry)
- IR spectroscopy (Infra Red Spectroscopy)



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Website

specials.han.nl/sites/biocentre-en/



Number of persons employed

14

Area of activity

- Product development
 - Drug development
 - Diagnostics
- Contract Research Organisation
- Supporting Pharma Service

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Biomarkers / Translational Sciences

Area of work

We work in multidisciplinary teams combining bio-informatics, molecular biology, fermentation technology, biochemistry and analytical chemistry. We work on various research themes:

- Antimicrobial activity
- *C. elegans* screening system
- Microbial oil production
- Gene expression
- Biorefinery

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Education

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Location: Nijmegen

Bachelors

- www.ru.nl/opleidingen/bachelor/biology/
- www.ru.nl/opleidingen/bachelor/molecular-life-sciences/
- www.ru.nl/opleidingen/bachelor/science/
- www.ru.nl/opleidingen/bachelor/chemistry/

Masters and Master Specialisations

- www.ru.nl/opleidingen/master/medical-biology/
- www.ru.nl/english/education/masters/medical-epigenomics/
- www.ru.nl/english/education/masters/human-biology/
- www.ru.nl/english/education/masters/neurobiology/
- www.ru.nl/opleidingen/master/molecular-life-sciences/
- www.ru.nl/english/education/masters/chemistry-of-life/
- www.ru.nl/opleidingen/master/chemistry/
- www.ru.nl/english/education/masters/physical-chemistry/
- www.ru.nl/english/education/masters/molecular-chemistry/
- www.ru.nl/english/education/masters/science/
- www.ru.nl/english/education/masters/medical-epigenomics/
- www.ru.nl/english/education/masters/physical-chemistry/
- www.ru.nl/english/education/masters/neurobiology/
- www.ru.nl/english/education/masters/molecular-chemistry/



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Website

www.ru.nl/fnwi

Location: Nijmegen

Bachelors

- www.ru.nl/studiegids/fmw/bachelor/geneeskunde/algemene-informatie/
- www.ru.nl/studiegids/fmw/bachelor/biomedische-wetenschappen/voorwoord/

Masters and Master Specialisations

- www.ru.nl/studiegids/fmw/master/geneeskunde/algemene-informatie/
- www.ru.nl/prospectus/fmw/master/biomedical-sciences/preface/
- www.ru.nl/prospectus/fmw/master/molecular-mechanisms-disease/preface/



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www.radboudumc.nl

3.3 Hogeschool van Arnhem en Nijmegen

Location: Nijmegen

- www.han.nl/opleidingen/bachelor/chemie/vt/
- www.han.nl/opleidingen/bachelor/biologie-medisch-laboratorium/vt/
- www.han.nl/opleidingen/bachelor/en/life-sciences/vt/
- www.han.nl/werken-en-leren/studiekeuze/masters/molecular-life-sciences/



Address

Ruitenberglaan 31
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Telephone

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Website

www.han.nl

3.4 Avans Hogeschool

Location: 's-Hertogenbosch

- www.avans.nl/opleidingen/opleidingzoeker/chemie-s-hertogenbosch-voltijd-bachelor/introductie



Address

Onderwijsboulevard 215
5223 DJ 's-Hertogenbosch



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Website

www.avans.nl

Locations: Arnhem, Nijmegen

- www.rijnijssel.nl/mbo-opleidingen/techniek/#!/subcategorie=4



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Website

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3.6 ROC de Leijgraaf

Locations: Oss, Cuijk

- www.leijgraaf.nl/opleidingen/opleidingen/techniek-samenleving/laboratoriumtechniek/



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5460 AK Veghel



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4

Business Support

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The Brabant Development Agency (BOM) is a growth accelerator. We work together with innovative entrepreneurs and with people who can solve social issues. We help to make dreams come true, to access new markets and turn groundbreaking concepts into tangible products and services.

Together we work to make our cast-iron competitive position more sustainable and to further increase it. That's because Brabant has everything it takes to perform at a global level, whether in terms of our economic position, our technological knowhow, and our society.

Our focus

We work together with businesses that embrace new developments and who understand that they can achieve more by partnering with other pioneers in Brabant's corporate world, our knowledge institutes, and an incentivizing government. By encouraging activities that anticipate the fourth industrial revolution, we are creating the economy of tomorrow. We create an appealing climate for foreign businesses and for retaining employment levels. We aid Brabant companies that want to spread their wings abroad and we stimulate the development of sustainable energy products.

Our strength

BOM is a public company that builds bridges between entrepreneurs, knowledge institutes, and the authorities. We have no commercial interests, and our independent position opens doors that often stay closed to commercial ventures. In this manner we encourage cooperation and bring people and resources together. BOM will often supply capital using the funds that we manage and the financial opportunities that arise from our networks. Through our Investor Readiness Program, we prepare startups to apply for funding. That's because when BOM is on board confidence is raised, which can only be good for acquiring further capital and for the growth of your company.

Do you need network, collaboration, knowledge, insights, money, market entrance, business development support or anything else? Please let us know, and we will do everything what is in our power to come up with a solution for you!



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Website

www.bom.nl

4.2 Braventure



Every promising startup deserves to be successful. As the entrepreneur you are in control but you don't have to do it all by yourself. Braventure offers quick access to knowledge, community, facilities and capital with only one goal: to speed up your startup and make it successful.

Partners of Braventure are BOM, BIM, Avans, Midpoint Brabant, Rewin, Tilburg University, HAS, Brainport Development, TU/e, AgroFood Capital, Breda University.

More information on www.braventure.nl



Address

Burg. Brokxlaan 12
Gebouw 88
5041 SB Tilburg



E-mail

info@braventure.nl



Website

www.braventure.nl

4.3 Briskr

Innovation is key to economic growth and the creation of employment. Start-ups, scale-ups and grown-ups encounter many challenges in their road to successful growth. Briskr is a consortium of organizations that support entrepreneurs in Health and High Tech (H&HT) who are facing these challenges.

Briskr is the program that helps startups and SME's to grow faster and make a bigger impact on Health and High Tech. Companies in these sectors encounter a lot of challenges in their road to successful growth. We support entrepreneurs in facing these challenges.

Briskr believes that interaction between knowledge-intensive companies, knowledge institutions like universities and governmental institutions is essential to realize innovation. This interaction is even more important in the top sectors Life Science & Health, High Tech Systems and Materials and Chemistry or any cross-over between these sectors.

That's why Briskr offers a specific set of tools to entrepreneurs in the above sectors.

- Scouting and screening of new and promising companies. Often during events like the Science Meets Business gatherings.
- Once a company has been scouted, its questions and challenges are presented to the Briskr partners. Together they ensure that the business receives 'tailor-made' support.
- The Briskr Academy offers workshops and events on various themes, from Intellectual Property (IP) to privacy regulations for SMEs.

The Briskr consortium is formed by the most important partners in the field of support for the Health and High Tech sectors. The involved parties are: Business Cluster Semiconductors (BCSEMI NL), Municipality of Nijmegen, Health Valley Netherlands, Kadans Science Partner, Novio Tech Campus, East Netherlands Development Agency (Oost NL), Province of Gelderland, Radboud University, Radboudumc and SMB Life Sciences.

In addition to the core partners, associate partners strengthen the network. Business Cluster Semiconductors, Rabobank Rijk van Nijmegen and The Economic Board are the first associate partners and will be followed by others shortly.



Address

Transistorweg 7
6534 AT Nijmegen



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E-mail

info@briskr.eu



Website

briskr.eu

The Centre of Entrepreneurship (CoE) is a central department of the HAN University of applied sciences (Hogeschool van Arnhem en Nijmegen). The HAN has about 35.000 bachelor students in several disciplines. There are about 40 research groups. Health is one of the three strategic areas of the HAN. The HAN also offers master programs and post university training facilities.

Targets groups of the CoE are students, alumni and other persons and organizations who are interested in entrepreneurship. This CoE is also active in regional and (inter-)national projects to stimulate entrepreneurship, startups and innovation.

The HAN and the Centre of Entrepreneurship offers the following services for SME's and entrepreneurs:

- Courses in entrepreneurship
- Entrepreneurship events
- Finance for early stage startups
- Networks
- Individual support for (student-)entrepreneurs
- Projects to stimulate entrepreneurship
- Links to students for internships and practical training
- Connections to research facilities and researchers.

The Centre of Entrepreneurship of the HAN works together with:

- The Mercator Launch (Radboud University, UMC, HAN)
- Gelderland valoriseert foundation (finance for startups)
- ORION, 10 partners (universities and regional organizations) project to support startups
- Startup Nijmegen (facilities and support for entrepreneurs)
- Startup Delta and Startup Gelderland
- Young in Business (network of about 400 HAN student-entrepreneurs)
- Startlife (Food-Agri) and Briskr (Health, E-Health and Tech) for supporting startups in the region. ORION focuses on the other sectors (Energy, Creative industries, ICT, cross overs, etc.)
- Local, regional and national governmental organizations to stimulate entrepreneurship
- Health Valley, Food Valley, Kiemt (Energy)
- Oost NL (regional economic development organization) and The Economic Board.
- Incubators (IPKW Arnhem, Novio Tech Campus Nijmegen, Mercator etc.)
- National researchers on entrepreneurship and family business.



Address

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6826 CC Arnhem



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+31 (0)6 51 28 46 53 (Geert-Jan Sweers)



E-mail

CvVO@han.nl



Website

www.han.nl/cvvo

4.5 Health Valley Netherlands

Strengthening the power of innovation

Health Valley Netherlands is the biggest Life Sciences & Health innovation network in the Netherlands. The network unites companies, care organisations, knowledge institutes and authorities, and enables them to grow stronger together. Whether we're providing developers with care needs and requirements or delivering innovations to the patient: we bring technology to the care sector, together. Real innovative power develops where the needs of the care sector are integrated into relevant knowledge and expertise, resulting in technological innovations, new medicines or devices, and other methods of working. Through a combination of innovative, market and entrepreneurial strength, our partners give an unmistakable boost to the care sector and also encourage economic growth.

As the Netherlands' largest innovation network in Life Sciences and Health, we have dedicated ourselves to making a difference for more than ten years. We are based in the eastern Netherlands, with locations in Nijmegen and Enschede, but our work reaches across the Netherlands and even beyond its borders through our collaborations with many national and international partners. We are always strengthening our position at both the domestic and global levels.

Based in The Netherlands?

Innovation network Health Valley primarily boosts the innovation capability of companies and care providers based in The Netherlands. If your company is based in The Netherlands and active in the field of Life Sciences & Health, becoming a partner of our network may be beneficial to help you reach your national or international goals.

Planning to base your company in The Netherlands?

Health Valley partners with Oost NL to support international companies active in the field of Life Sciences & Health in the eastern Netherlands. Oost NL assists foreign companies wishing to establish their businesses in the eastern Netherlands with locations, expansion, and relocation services, free of charge.

Do you want to realise innovative ideas through a public-private partnership?

Health Valley assists partners to realise innovative projects by bringing together knowledge institutes, companies, and healthcare organisations. For this purpose we are open to cooperating with other cluster organisations in Life Sciences & Health.

For international companies from outside the European Union

If you are an entrepreneur or company (from outside the European Union) thinking of establishing your business in The Netherlands, please find information to facilitator services [here](#).



Address

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E-mail

info@healthvalley.nl



Website

www.healthvalley.nl

4.6 Mercator Launch

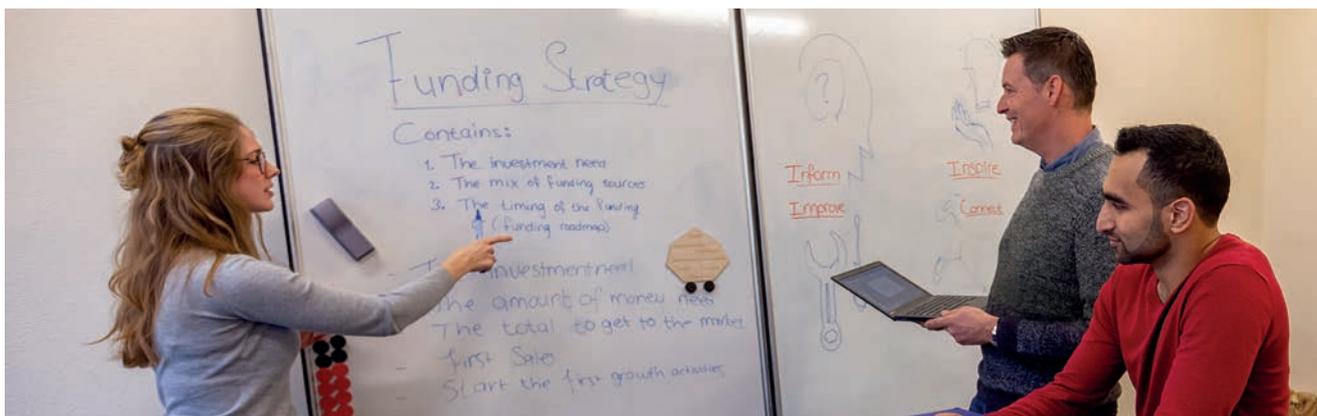


Mercator Launch is a pre-incubation platform founded by the Radboud University together with partner Radboudumc & HAN and offers a 12 week IMPROVE program to early phase entrepreneurs at the Heyendaal Campus.

The program is created to support students, researchers and alumni in the difficult phase from academic environment to incubation and focuses on validation of their ideas. Besides the Improve program Mercator Launch also boosts awareness on entrepreneurship and entrepreneurial skills at the Heyendaal campus. Finally, the program connects ideas and entrepreneurs with the regional and national start-up ecosystem and provides showcases of innovative start-ups that emerge from these partnering knowledge institutions.

You can find Mercator Launch at the Mercator Science and Technology Park and you can turn to Mercator Launch for:

- Inspiring and informative workshops and events
- 1-on-1 coaching & business support
- Workplaces
- R&D facilities
- Funding
- Network, Field Experts, Interesting contacts, such as Business Developers, Investors, fund managers, accountants, lawyers, potential clients etc.



Address

Toernooiveld 100
6525 EC Nijmegen



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E-mail

hello@mercatorlaunch.nl



Website

www.mercatorlaunch.nl

We offer companies a 'soft landing' in East Netherlands.

Oost NL (East Netherlands Development Agency) focuses its activities and projects on strengthening and stimulating the economy of the provinces of Gelderland and Overijssel, the Netherlands. We work with regional businesses and are commissioned by the Ministry of Economic Affairs and Climate Policy and the respective provinces.

Oost NL plays an important role in executing the economic policies of the Dutch government and the provinces of Gelderland and Overijssel and its various city governments. To achieve this it is necessary to encourage a close cooperation between businesses, regional institutes, knowledge institutes, and intermediaries. Oost NL acts as a bridge between government, companies and knowledge institutes.

In line with the government's 'top sector policy', we focus on areas such as the top sector Life Sciences & Health, including Drug Discovery & Development. A team of specialists aids businesses in this sector, through our three main activities:

Innovation

We support the regional business environment by helping city governments and SMEs to bring innovations to market. This is done with knowledge, access to funding (including European-wide funds), networking and one-on-one contacts. The results: fundable business cases (usually focused on market introductions), innovation projects and programs, open innovation centers and establishing campuses.

Investments

We invest in starting and growth-phase SMEs. We do this partly with risk capital from various revolving innovation funds, and partly through our knowledge, networks and personal contacts. Through the revolving funds we provide for direct as well as indirect investment and take care of the fund management. In addition, we stimulate and support public and private investors. The result: growth through financing.

Internationalization

We offer companies from outside the Netherlands, as well as from other regions of the country, a 'soft landing' in East Netherlands. Through us, international companies gain access to our regional networks as well as assistance with trade promotion. We help owners of SME's from East Netherlands to internationalize through matchmaking via our worldwide network of partners.



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Contactperson

Susan van Boxtel (team manager Health & Food)
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+316 1841 6745

4.8 Radboud Innovation Science

Radboud Innovation Science (RIS) is the valorisation & innovation department of the Faculty of Science of Radboud University, offering grant support, project coordination and knowledge transfer. RIS is the first point of contact for collaborations in Drug Discovery & Development at Radboud University and closely cooperates with the valorisation department of Radboudumc.

Our services include:

- **Partnerships and Cooperation:** We arrange partnerships with companies, governments and knowledge institutes.
- **Grant Support:** We support our scientist with the acquisition of research funding.
- **Contract Research:** We offer knowledge and equipment to companies.
- **Business Development:** We offer assistance in protecting scientific knowledge (Intellectual Property) and technology transfer (Licensing).
- **Spin-offs:** We scout ideas and help with the creation and funding of spin-offs.
- **Project Coordination:** We help with the establishment and maintenance of consortia and carry out financial and administrative project coordination.

Do you have questions or wish to explore a collaboration Radboud University in Drug Discovery & Development, please do not hesitate to contact us.



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Website

www.ru.nl/science/research/
radboud-innovation-science/

4.9 Radboudumc Valorization

Through collaborative research, clinical studies, shared facilities, intellectual property protection, licensing, and spin-off businesses, the medical center aims to have a significant impact on healthcare.

Examples of our impact are our renown research lines on prostate cancer, on malaria, and on the immune system, the diagnostic test for Q-fever, the surgical robot for MRI, ParkinsonNet, the diagnostic SelectMDx test for prostate cancer, and our spin-off companies, such as Thirona and Screenshot.

We have extensive experience in collaborating with industry ranging from big pharma, bio tech to start-up companies in R&D and clinical trials. Annually, our department evaluates over 1,400 contracts and 14 invention disclosures, and supports the founding of 3 spin-off companies.

Business Development

Besides stimulating and negotiating research collaborations, we support the creation of spin-off companies with technologies from Radboudumc by

evaluating business plans, protecting IP rights, negotiating license agreements, searching for initial funding and initiating contact with candidate-CEOs and other experts. We recently strengthened our collaboration with Janssen Pharmaceutica NV, Janssen-Cilag B.V. and Janssen Vaccines & Prevention B.V. to bring high quality innovative academic research faster to the patient and we concluded a partnership with Viiv Healthcare for identification of novel targets in HIV.

Grant Support Office

We support researchers and entrepreneurs at Radboudumc in acquiring funding from national and international sources. Our team also coordinates complex grant projects and is the initial contact point for funding bodies and companies.



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secretariaat.val@radboudumc.nl



Website

www.radboudumc.nl/en/research/valorization

5 Companies

Guide
Drug Discovery & Development
companies and institutes

3D-PharmXchange is a Dutch consultancy firm specialized in development of pharmaceuticals and diagnostics.

Our goal is to speed up your development program. To do so we bring direct solutions that fit your company on the dimension of time, cost and risk. Through our long-standing experience we know how to take your development program seamlessly to the next level. Even for complex multidisciplinary projects and in a wide range of disease areas.

Services and Products

What services does your company offer?

- Consultancy services regarding research & development processes

Expertise or Knowledge

- Clinical
- Non-clinical
- CMC
- Regulatory affairs
- Projectmanagement



Address

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info@3d-pxc.com



Website

www.3d-pxc.com



Number of persons employed

12

Area of activity

- Product development
 - Drug development
- Supporting Pharma Service

Drug Discovery and Development activities pursued

- Biomarkers / Translational Sciences
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Regulatory

5.2 Acerta Pharma BV

Acerta Pharma, a member of the AstraZeneca Group, is creating novel selective therapies intended for the treatment of autoimmune diseases and cancer.

AstraZeneca acquired a majority stake interest in Acerta Pharma, which serves as AstraZeneca's haematology-oncology research and development centre of excellence. Leveraging its strength in oncology, AstraZeneca has established haematology as one of four key oncology disease areas of focus. Acerta holds offices in Oss and Den Hague in the Netherlands, and in San Carlos and San Francisco in the USA. For more information, please visit www.acerta-pharma.com.

Acalabrutinib is Acerta's lead program which was developed based on Acerta's discovery efforts. It is an investigational covalent Bruton tyrosine kinase (BTK) inhibitor currently under investigation in multiple Phase 3 clinical trials. The clinical program includes over 20 trials in hematologic malignancies and solid tumors. Over 1,800 patients have participated in these trials to date.

Calquence (acalabrutinib) was granted accelerated approval by the US Food and Drug Administration (FDA) in October 2017 for the treatment of adult patients with mantle cell lymphoma (MCL) who have received at least one prior therapy. Continued approval for this indication may be contingent upon verification and description of clinical benefit in confirmatory trials.

Acerta Pharma takes an innovative approach to the discovery and development of novel low molecular weight.

Services and Products

What products does your company make?

- Acalabrutinib

Expertise or Knowledge

- R&D expertise in the area of discovering and developing novel low molecular drugs for the intended treatment of haematological indications in oncology



Address

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E-mail

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Website

www.acerta-pharma.com



Number of persons employed

40

Area of activity

- Product development
 - Drug development
- Supporting Pharma Service

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Biomarkers/ Translational Sciences
- Clinical development phase I/II
- Clinical development phase III/ Registration
- Regulatory

Area of work (indications)

Haematology & Oncology

5.3 Ardena (previously ChemConnection)

Ardena is your one source partner to help you navigate the drug development process from molecule to clinic.

We offer an integrated, flexible service encompassing drug substance and drug product development and manufacturing, clinical logistics, bioanalysis and dossier development.

We are also at the leading edge of nanomedicine development. Our precision particle engineering and characterization technologies are the key to accessing this fast evolving, competitive market.

We have a European development and manufacturing base, but a global reach. Our vast experience and expertise in all stages of drug development, combined with our dossier-centric approach, help customers progress life-saving medicines to patients quickly and reliably.

Services and Products

What services does your company offer?

- Drug substance process and analytical development
- Drug substance manufacture
- Nanomedicine process and analytical development
- Nanomedicine manufacture
- Solid state research
- Drug product process and analytical development
- Drug product manufacture
- Packaging, labelling, and clinical logistics
- Bioanalytical services
- Dossier development services

Expertise or Knowledge

- Chemical pharmaceutical development
- Dossier centric development
- Nanomedicine development
- Solid state research
- Bioanalysis



Address

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Website

www.ardena.com



Number of persons employed

Ardena Oss: 77
Ardena Amsterdam: 15
Ardena Assen: 60
Ardena total: 250

Area of activity

- Contract Research Organisation
- Contract Manufacturing Organisation
- Supporting pharma service

Aspen Oss has a proud history in the production of APIs spanning over almost 100 years. We specialize in the production of complex, highly potent APIs (HPAPIs). We work from a deeply rooted and pro-active quality culture.

Our facilities are successfully inspected and approved by governmental authorities such as the US FDA, EMA, PMDA.

We offer our customers a true partnership by consistently delivering high product quality on schedule. Aspen Oss provides you extensive support at all stages of your project: from proof of concept forward through registration and commercialization.

Services and Products

What services does your company offer?

- Production of chemical, biochemical API's and Peptides and extensive regulatory services.

What products does your company make?

Our APIs are used in among others the following therapeutic areas:

- Women's health
- Male health
- Drug and alcohol dependency
- Muscle relaxation
- Oncology
- Central nervous system
- Anticoagulant
- Veterinary applications

Expertise or Knowledge

- Almost 100 years strong in handling HPAPIs and complex chemical reactions
- A deeply rooted and pro-active quality culture
- We understand your regulatory requirements
- We value the protection of our employees, the environment and our products



Address

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api@nl.aspenpharma.com



Website

www.aspenoss.com



Number of persons employed

850

Area of activity

- Contract Manufacturing Organisation

Area of work (indications)

Production of complex, high potent API's

5.5 Avivia



Avivia is a Dutch independent specialized pharmaceutical development company engaged in CRO service activities, drug repositioning, repurposing and (re) formulation.

Our expertise and capabilities are centred around the development of value-added generic drugs, life cycle management of branded drug products, complex formulations and CMC development of new drug products (NCE).

We operate a hybrid business model combining CRO service activities (both full development programs as well as stand-alone services) with internal product programs aimed at the development of value-added products.

Services

What services does your company offer?

- We provide full analytical and pharmaceutical product development services and strategic advice to formulate the Target Product Profile

Expertise or Knowledge

- Hands-on experience in pharmaceutical and analytical drug product development
- State-of-the-art analytical and pharmaceutical lab facilities
- Innovation leading to creation of novel Intellectual Property
- Competitive Intelligence to establish proper Target Product Profiles



Address

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Website

www.avivia.nl



Number of persons employed

8-12

Area of activity

- Product development
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Pre-clinical development DMPK
- Clinical development phase I/II
- Clinical development phase III / Registration
- Regulatory
- Commercial and marketing

Area of work (indications)

Not limited to a particular area

5.6 BioAxis Research



BioAxis Research specializes in Computational Medicinal chemistry and Drug Design.

Our expertise ranges from Compound Library Design (hit/lead/druglike, focussed, complementary or diverse), Hit Discovery via in silico screening, Lead Optimisation encompassing ligand-based (calculated properties, SAR approaches, Deep Learning classification strategies), protein structure-based (flexible docking, binding site analyses and analogue generation, scaffold hopping and in-site modelling of structural modification, through prediction of ADMET properties.

BioAxis Research works with Commercial organisations in Europe and the USA, from small biotech start-ups to large Pharma companies. Collaboration with compound suppliers, major European screening centres and academic groups also takes place. Our work involves the use of both commercial modelling software and Open Source solutions where appropriate.

Services and Products

What services does your company offer?

- Collaborative research to identify leads and develop drug candidates
- Cheminformatics, molecular property calculations, data mining
- Structure, Fragment-based drug design, Computational Medicinal Chemistry
- Combined data, text and network mining, association analyses

Expertise or Knowledge

- Compound collection analyses and library design
- Structure-activity relationships
- Multiparameter compound optimization
- Compound progressibility analyses



Address

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Number of persons employed

1

Area of activity

- Contract Research Organisation
- Supporting pharma service

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding

Area of work (indications)

Early research in variety of indications

5.7 Bioconnection

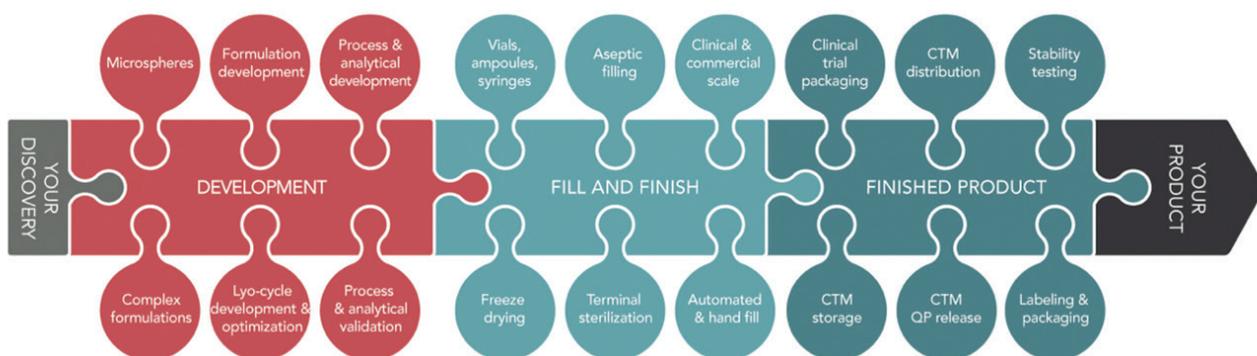
BioConnection offers young and innovative biopharmaceutical companies access to our state-of-the-art-GMP manufacturing facility and a broad range of support services.

We are a contract services and manufacturing organization for the development and manufacture (Filling and Freeze drying) of injectable (bio)pharmaceutical products. The Netherlands are located centrally in Europe and from our proprietary site in Oss we supply both clinical as commercial products to our worldwide customers (FDA/EMA). Besides the central location, The Netherlands are also well known for their professional flexibility, organizational savvy and command of foreign languages. Besides our own EMA/FDA approved facility we have access to various facilities across Europe to enable an unmatched flexibility in solutions, capacity and capability. The cornerstones of our CMC services are: Drug Product development, Fill and Finish, Freeze drying and Finished Product services.

Expertise or Knowledge

- Fill&Finish and Freeze-dry
- Clinical trial material
- Commercial/marketed product manufacturing
- Process transfer and validation
- Process development

Services and Products



Address

Kloosterstraat 9
5349 AB Oss

Area of activity

- Product Development
- Contract Manufacturing Organisation



Telephone

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E-mail

info@bioconnection.eu



Website

www.bioconnection.eu



Number of persons employed

40

BioMed Elements strives to develop biomaterials that will enhance lives.

We focus on biomaterials based on biocompatible and degradable biopolymers. BioMed Elements develops, manufactures and supplies biomaterials for application areas such as wound management, medical aesthetics, orthopedics, tissue engineering and cosmetics.

The BioMed specialists have extensive expertise and knowledge of biopolymer chemistry and medical devices. Our in-house R&D team is capable of processing these natural materials into various functional end forms. These functional forms can be sponges, sheets, powders, sprays and gels.

Services and Products

What services does your company offer?

- Drug delivery development

What products does your company make?

- Biopolymer based materials for pharmaceutical application

Expertise or Knowledge

- Biopolymers and biologics
- Flow chemistry; developing delivery applications
- Biocompatibility



Address

Kerkenbos 1077V
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Website

www.biomed-elements.com



Number of persons employed

5-9

Area of activity

- Product development
 - Medical technology
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Clinical development phase I/II

Area of work (indications)

- Delivery mechanism
- Release profile

5.9 Check-Points

Carbapenemase producing organisms have spread globally and top the priority list of the World Health Organization as the critical AMR (antimicrobial resistance) threat. It is essential to diagnose carbapenemase resistance as fast and accurate as possible in order to control further spread.

Check-Points has developed accurate molecular assays for rapid detection of carbapenemase and ESBL resistance. These assays deliver fast results – within 2.5 hours – with very high negative predictive value and specific genotypic information on the resistance mechanism.

This saves lives, costs and protects the reputation of your hospital, so you can be confident to stay in control of AMR.

Services and Products

What services does your company offer?

- Support to our customers

What products does your company make?

- Diagnostic tests

Expertise or Knowledge

Check-Points is a pioneer in innovative DNA testing methods in the industry and health sector since its foundation in 2002. Deoxyribonucleic acid, short for DNA, is a molecule that carries the genetic instructions used in the growth, development, functioning and reproduction of all known living organisms and many viruses.

Check-Points has used the specific characteristics of DNA to develop a range of rapid molecular assays which support commercial organizations and hospitals in identifying and serotyping of *Salmonella* using molecular diagnostics. Check-Points has also developed molecular assays to detect beta-lactam resistance in the form of carbapenemases, ESBLs and AmpCs within *Enterobacteriaceae*.

Check-Points' innovation by DNA helps to fight serious health problems like *Salmonella* and multi-drug resistance (MDR).



Address

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Website

www.check-points.com



Number of persons employed

17

Area of activity

- Product development
 - Diagnostics
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Commercial and marketing

Area of work (indications)

Hospitals

5.10 Drug Target ID (DTID)

At DTID, we have pioneered and developed a unique method to integrate ‘big’ genetic and other genome-wide data for a disease into a model that we have termed a ‘molecular landscape’.

This unbiased systems biomedicine approach offers a new platform for data integration and involves the application of not only gene enrichment and protein-protein interaction, bioinformatics-based tools, but also manual curation and iterative integration of corroborating evidence and findings from extensive literature evaluations.

To build a molecular landscape for a complex disease, we analyse the top-ranked genes that have been identified through several types of genetic, epigenetic and expression studies as well as studies on (genetic) animal models and pharmacological studies, and that have been ranked and weighted using statistical approaches.

Services and Products

The outcomes of our landscapes not only include novel and more detailed insights into the (disturbed) molecular mechanisms underlying a disease but also (novel and disease-specific) risk factors, biomarkers and drug targets that can be further developed into preventive measures, tools for more accurate and early diagnosis and disease-modifying treatments, respectively.

Expertise or Knowledge

Our concept of building a molecular landscape for a complex disease and performing preclinical studies on landscape-derived, repurposed or novel compounds specifically modulating the biological processes underlying the complex disease allows for evidence-based strategies to develop novel disease-modifying drugs, generating new therapeutic entities. Therefore, our landscapes can be exploited by pharmaceutical companies to markedly reduce their drug development costs.



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Website

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Number of persons employed

6

Area of activity

- Product development
 - Drug development
 - Diagnostics

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Biomarkers / Translational Sciences
- Pre-clinical development DPMK

Area of work (indications)

In principle all complex diseases for which big (genetic) data are available (so psychiatric diseases, neurological diseases, all types of cancers etc.)

5.11 Eurofins Spinnovation Analytical

We are a provider of Analytical R&D and laboratory GMP QC testing services to the Biopharmaceutical Industry.

Eurofins Spinnovation Analytical focuses on 4 lines of businesses: 1/ NMR characterization and QC testing ; 2/ Solid-state characterization and QC testing; 3/ Root Cause Investigation (impurities, foreign matters) ; 4/ Spent Media Testing for Upstream Bioprocess Development and Troubleshooting.

We are part of the Eurofins Biopharma Product testing division (EBPT). EBPT services range from physical, chemical and microbiological quality control testing of pharmaceutical raw materials to finished dosage forms, thereby covering release, stability and validation. EBPT R&D departments can develop test methods from scratch or based on client methods. In addition to testing, EBPT has multiple aseptic manufacturing units in which small-scale compounding and fill and finish activities of clinical trial medication are performed. Labelling, packaging, storage, and distribution services are also offered. In-process and release testing as well as releasing the batch by a qualified person (QP) are included in this service.

Services

What services does your company offer?

- NMR characterization and QC testing ;
- Solid-state characterization and QC testing;
- Root Cause Investigation (impurities, foreign matters) ;
- Spent Media Testing for Upstream Bioprocess Development and Troubleshooting.

Expertise or Knowledge

- Analytical Research and Development and raw material, drug substances and drug products
- GMP QC testing
- Root Cause Investigation and Troubleshooting



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Info.EBPT-NL@eurofins.com



Website

www.eurofins.nl



Number of persons employed

15

Area of activity

- Contract Research Organisation

Area of work (indications)

Analytical R&D and GMP QC testing

5.12 European Medical Contract Manufacturing (EMCM)

European Medical Contract Manufacturing B.V. (EMCM) is a centre of excellence in developing and manufacturing (sterile) medicinal products, catering to the Biomaterials, Pharmaceuticals and Tissue Engineering markets.

Be it ampoules, vials, pre-filled syringes, pouches, bottles or blisters, from small to large scale batches, EMCM is your partner in the development and manufacturing of Pharmaceuticals and Medical Devices.

Using qualified facilities EMCM produces a broad range of medical products offering complete custom made service and product packages: from product development, through regulatory affairs, purchasing, manufacturing, final packaging, warehousing and distribution in the capacity of a contract manufacturer.

EMCM is equipped with a range of (semi-) automatic filling units for the filling of organic solvents, aqueous solutions, suspensions, gels as well as powders. All filling processes can be performed under aseptic conditions and will be validated by media simulations according GMP and ISO requirements.

Services and Products

What services does your company offer?

- Formulation of liquids, suspensions and gels
- Filling of ampoules, syringes, vials, bottles and pouches



- Powder mixing and filling
- Tissue engineering
- Freeze-drying
- Sterilisation
- Support serviced: Research & Development, Packaging, Warehousing & Logistics

What products does your company make?

- (Sterile) Medicinal products catering to the Biomaterials, Pharmaceuticals and Tissue Engineering markets

Expertise or Knowledge

- We pair our expertise with your vision to support opportunities and bring your innovations to the market.
- EMCM is an ISO 9001:2015 and EN ISO 13485:2016 certified company and possesses a Good Manufacturing Practice Licence for the manufacturing of Pharmaceuticals.
- EMCM has the expertise to produce organic solvents, aqueous solutions and highly viscous products, like temperature dependent suspensions and gels.
- All filling processes can be performed under aseptic conditions and will be validated by media simulations according GMP and ISO requirements.



Address

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6545 CH Nijmegen



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E-mail

info@emcm.com



Website

www.emcm.com



Number of persons employed

50 - 99

Area of activity

- Contract Manufacturing Organisation

Area of work (indications)

Pharmaceutical and Medical Device Industry

5.13 Farmaceutisch Analytisch Laboratorium Duiven



FARMACEUTISCH ANALYTISCH
LABORATORIUM DUIVEN B.V.



The principal business of FAL Duiven is the development of oral solid dosage forms for human use, registration of the various products on the Dutch market and other E.U. territories, using the most appropriate authorization route (national, MRP or DCP), followed by licensing of the dossiers to third parties for Registration in E.U. and non-E.U. territories, and subsequently the manufacture and supply of the products to its partners.

Services

What services does your company offer?

- Development, manufacturing and analysis of drug products

What products does your company make?

- Antidepressants
- Pain relief
- Sedatives
- Antivertigo

Expertise or Knowledge

- EU-GMP, GDP, GLP
- Pharmaceutical Quality System



Address

Dijkgraaf 30
6921 RL Duiven



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+31 (0)26 312 06 72



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office@falduiven.com



Website

www.falduiven.com



Number of persons employed

35-45

Area of activity

- Contract Manufacturing Organisation

Area of work (indications)

Development, manufacturing and testing of generic oral solid dosage forms

5.14 Future Diagnostics

We are the obvious choice for in vitro diagnostic (IVD) assay development – for start-ups, mid-sized biotech companies and multinationals in the global IVD medical device market



With 20+ years of expert experience and 150 IVD developments, our 60+ enthusiastic and highly skilled professionals are committed to accelerating healthcare innovation, providing high-quality assay development and manufacturing services.

Services and Products

What services does your company offer?

- IVD assay development services
 - IVDR Analytical Performance Studies
 - Verification & Validation
 - Point of Care Test Development
 - Accusphere Lyophilisation

What products does your company make?

- STAT IO I PTH Immunoassay
- Free Vitamin D ELISA immunoassay

Expertise or Knowledge

- assay development for global IVD medical device market
- ISO 13485 certification and FDA registered manufacturing facility
- Areas of expertise: cardiovascular, infectious, autoimmune and bone metabolism diseases, oncology, endocrinology, anaemia, diabetes



Address

Nieuweweg 279
6603 BN Wijchen



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E-mail

info@future-diagnostics.nl



Website

www.future-diagnostics.com



Number of persons employed

50-250

Area of activity

- Product development
 - Diagnostics

5.15 Glycostem Therapeutics

Glycostem is a clinical-stage company, harvesting the power of allogeneic cells like Natural Killer (NK) cells - oNKord® - in the field of cellular immunotherapy.

Using our proprietary expansion and differentiation platform, we produce large amounts of effector cells from Umbilical Cord Blood stem cells. Products are composed of high-quality, pure and active cells.

NK cells will be the new star in the domain of cellular immunotherapy. Due to their tightly regulated “natural killing”, caused by a changed balance between activating and inhibitory cellular signals and antibody dependent cellular cytotoxicity (ADCC).

NK cells have the capability to control viral infections, target cancer and kill senescent cells. Unfortunately, our immune system can be compromised, allowing tumor cells to escape the immunological control mechanisms. Allogeneic conditions will be able to mitigate this problem. Glycostem’s concept and product pipeline is based on this principle.

Recently, the lead product - oNKord® - has been tested for safety and efficacy in a phase I study with Acute Myeloid Leukemia (AML) patients. oNKord® showed no toxicity, expanded in vivo, migrated to the bone marrow and killed leukemic blasts.

Services and Products

What services does your company offer?

- Co-development of cellular immunotherapy products including NK-cells
- Production of above
- Regulatory and clinical support to bring products to market

What products does your company make?

- Cellular immunotherapy product of non-manipulated or genetically modified cells

Expertise or Knowledge

- Research in immunotherapy arena
- Cellular immunotherapy product development
- Closed production system
- Virus and vectoring technology
- Development or co-development of cellular immunotherapy products including NK-cells
- Regulatory and clinical services



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Website

www.glycostem.com



Number of persons employed

20

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Target selection and validation
- Biomarkers / Translational Sciences
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Clinical development phase III / Registration
- Regulatory

Area of work (indications)

Blood and solid tumour cancers

5.16 HCM Medical

HCM Medical, also known as Hightech Contract Manufacturing Medical, is a Contract Manufacturing Organization specialized in the development and manufacturing of biological and biomaterial products.

Making use of different technologies, like Supercritical Fluid Extraction (SFE), Freeze-Drying, Electrospinning:

- Tissues of human and animal origin are processed into unique and high-tech medical products for various applications.
- Biomaterials are purified from tissues, like collagen and gelatin, and through Freeze Drying and Electrospinning shaped into 2- and 3-dimensional constructs for multiple applications.

For the manufacturing of medical implants, depending on the classification of the product, multiple manufacturing licensed are required and available. An extensive knowledge and experience is available for the upscaling and validation of a production process; from formulation up to packaging and sterilization.

Services and Products

What services does your company offer?

- Product Development
- Manufacturing
- Upscaling

What products does your company make?

- Biological Implants
- Human Tissue constructs
- Medical Devices
- Collagen devices
- Drug Release devices

Expertise or Knowledge

- Supercritical CO² technology (scCO²)
- Tissue processing with scCO²
- Freeze drying
- Aseptic formulation & filling
- Aseptic handling
- Quality Management
- Product and Process Validation
- Registration Support



Address

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Website

www.hcm-medical.com



Number of persons employed

1 - 10

Area of activity

- Product development
- Contract Manufacturing Organisation

Area of work (indications)

Medical Device, Tissue processing

5.17 Hycult Biotech

Hycult Biotech is a ISO-13485 certified manufacturer of research reagents in the field of innate immunity since 1994.

We have an extensive knowledge in the development and production of assays, antibodies and proteins. Our products are co-developed with leading scientists over the world. These close collaborations lead to reliable and reproducible research tools that enable better disease understanding and monitoring.

We are an experienced partner when it comes to expanding your manufacturing capabilities or outsourcing specialized handling procedures. Our clean room facilities enable us to produce under GMP conditions and offer services such as microplate coating, lyophilization, antibody production and upscaling.

We have a scientific drive to participate in research projects and are a connection between science and industry. Hycult Biotech is a suitable SME-partner for your research project. We actively participate in international consortia and scientific grants. With our experience we can make a contribution that adds value to your project.

As manufacturer and clone license owner we can guarantee long term delivery of OEM products with firm quality and good batch-to-batch consistency. We have solid agreements on IP and cell lines and extensive knowledge, as we use these same products for our in-house development and production of assays. Our aim is to grow together, making you more successful in your business.

Services and Products

What services does your company offer?

- Antibody production, purification, custom conjugation and lyophilisation
- Reagent manufacturing, aseptic liquid filling and vial labelling
- Assay manufacturing: microplate coating, lyophilisation of standards, controls and substrates, production of buffers

What products does your company make?

- Antibodies, proteins, ELISA kits

Expertise or Knowledge

- Upscaling of antibody production
- Development of immuno assays
- GMP production of diagnostic reagents



Address

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E-mail

info@hycultbiotech.com



Website

www.hycultbiotech.com



Number of persons employed

20-50

Area of activity

- Product development
- Diagnostics
- Contract Manufacturing Organisation

Drug Discovery and Development activities pursued

- Biomarkers / Translational Sciences
- Commercial and marketing

Area of work (indications)

Immunology; Gastrointestinal diseases; Kidney diseases; Respiratory diseases; Autoimmune diseases

InProcess-LSP offers advanced analytical services and solutions for pharma, food, life sciences and other related industries to support product and process development and manufacturing.

Today's products and manufacturing processes demand highest performance in terms of product quality, process robustness and efficiency. For high product quality and robust processes, in-depth product and process understanding is of utmost importance.

With a strong background in product and process development as well as in analytical sciences varying from microscopy and imaging to a wide range of spectroscopic and optical technologies, InProcess-LSP offers a unique combination of experience and knowledge.

Our services include contract research & troubleshooting to increase understanding of your products and processes, as well as PAT method development and implementation to monitor and control your processes. If commercially available instrumentation cannot provide the desired solution, InProcess-LSP also offers the opportunity to modify or optimize analytical instruments or develop new instruments and software for your specific application.

Services and Products

What services does your company offer?

- PAT Method development e.g. blend uniformity assessment and content monitoring
- Off-line method development e.g. moisture content, Assay/Content and residual solvents
- Analytical Services e.g. trouble shooting and root cause finding
- Process Development & Improvement support
- Instruments & software
- Training on e.g. blend uniformity by NIR, PAT strategies, particle sizing, DoE

What products does your company make?

- The NanoFlowSizer, an instrument for continuous real-time monitoring of nanoparticle size in colloidal systems

Expertise or Knowledge

- Process Analytical Technology (PAT)
- Pharmaceutical product and process development
- Techniques: NIR, RAMAN, NIR Imaging, Microscopy, Optical Coherence Tomography (OCT), Particle Sizing
- Chemometrics



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Website

www.inprocess-lsp.com
www.nanoflowsizer.com



Number of persons employed

6

Area of activity

- Product development
 - Drug development
- Contract Reseachr Organisation
- Supporting pharma service

Area of work (indications)

Analytical Services supporting product & process development, instrument development

5.19 Khondrion

Khondrion is a clinical-stage pharmaceutical company discovering and developing therapies targeting mitochondrial disease. The company is advancing its proprietary science through a wholly-owned clinical and preclinical small molecule pipeline of potential medicines.



The company's in-house discovery engine is using unique live-cell imaging technologies, patient-derived cell lines and predictive cell-based disease models to build a portfolio of promising compounds. Active discovery programmes are underway developing new therapies, biomarkers and new read-out technologies in the field of mitochondrial diseases.

To accelerate the discovery and development of its potential medicines for mitochondrial diseases, Khondrion collaborates with a global clinical and academic network and patient organisations internationally. Khondrion is headquartered in Nijmegen, The Netherlands.

Products

What products does your company make?

Khondrion's lead asset, KH176, is a potential first-in-class oral small molecule in phase IIb clinical develop-

ment to treat a range of mitochondrial diseases including MELAS (mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes) spectrum disorders. The phase 2A KHENERGY study, published in September 2018, showed consistent pharmacokinetic, safety and tolerability data for KH176, and significant improvement in a number of clinical endpoints which supported further development of the potential medicine. Planning for KHENERGYZE, a dose-exploration phase IIb study, is now underway with the first patient in that study expected to be dosed in Q2-3 2019.

KH176 has been granted Orphan Drug Designation for MELAS spectrum disorders and Leigh disease in Europe and for all inherited mitochondrial respiratory chain disorders in the USA.

Preclinical research is underway exploring the potential of Khondrion's pipeline to target diseases resulting from a cellular reduction-oxidation (redox) imbalance. Redox imbalance occurs when the redox signaling processes in cells – the fundamental processes by which cells detect damage and then start their repair mechanisms – are not controlled. Diseases currently under investigation include genetic forms of Parkinson's disease, congenital muscular dystrophy and inborn errors of metabolism.

Expertise or Knowledge

- Mitochondrial medicine
- Drug development



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Website

www.khondrion.com



Number of persons employed

7

Area of activity

- Drug development

Drug Discovery and Development activities pursued

- Clinical development phase I/II
- Clinical development phase III/ Registration
- Regulatory

Area of work (indications)

Diseases and conditions with disturbed redox-metabolism. Focus on mitochondrial diseases

LiteVax BV is a biopharmaceutical company focusing on the development and exploitation of novel adjuvant concepts

Our mission is to contribute to global health by delivering improved adjuvants for vaccines against infectious and noninfectious diseases. People in developed and developing countries will benefit from better vaccines at lower costs.

Services and Products

What products does your company make?

- Vaccine adjuvants

Expertise or Knowledge

- Organic chemistry
- Pharmaceutical formulation technology
- Vaccine development



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E-mail

info@litevax.com



Website

www.litevax.com



Number of persons employed

1-5

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Pre-clinical development Safety and toxicology

Area of work (indications)

Organic chemistry, vaccine formulation technology

At Luminex, our mission is to empower labs to obtain reliable, timely, and actionable answers, ultimately advancing health.

We serve the needs of our customers in diverse markets including clinical diagnostics, pharmaceutical drug discovery, life science research, immunology, and personalized medicine. Our goal is to transform global healthcare with innovative instruments and assays that deliver cost-effective, rapid results to clinicians and researchers. For further information, please visit www.luminexcorp.com.



Services and Products

What services does your company offer?

- Multiplexing technology (xMAP®)
- (Imaging) Flow Cytometry
- Molecular Diagnostics Solutions
- Service & Support
- Trainings

What products does your company make?

- Magpix®
- Luminex®200™
- FLEXMAP 3D®
- Microspheres
- AMNIS® ImageStream
- AMNIS® Flowsight
- AMNIS® CellStream
- Guava® EasyCyte
- Guava® MUSE® Cell Analyzer
- ARIES®
- VERIGENE®

Expertise or Knowledge

- Multiplexing technology
- Instruments
- (Imaging) Flow Cytometry
- Molecular Diagnostics



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Website

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Number of persons employed

50-100

Area of activity

- Product development
- Diagnostics

Drug Discovery and Development activities pursued

- Target selection and validation
- Biomarkers / Translational Sciences

Area of work (indications)

Instrument manufacturer, our technology is suitable for Drug Discovery.

MDxHealth is a multinational healthcare company that provides actionable molecular diagnostic information to personalize the diagnosis and treatment of cancer.

The company's tests are based on proprietary genetic, epigenetic (methylation) and other molecular technologies and assist physicians with the diagnosis of urologic cancers, prognosis of recurrence risk, and prediction of response to a specific therapy. The Company's European headquarters are in Herstal, Belgium, with laboratory operations in Nijmegen, The Netherlands, and US headquarters and laboratory operations based in Irvine, California. For more information, visit mdxhealth.com and follow us on social media at: twitter.com/mdxhealth, facebook.com/mdxhealth and linkedin.com/company/mdxhealth.

Services and Products

What services does your company offer?

- Service testing Select MDx

What products does your company make?

- Confirm MDx Selection Kit
- Select MDx Amplification Kit & `reporter Applification



Address

Transistorweg 5
6534 AT Nijmegen



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+31 (0)88 327 27 27



E-mail

info@mdxhealth.com



Website

www.mdxhealth.com



Number of persons employed

51 - 200

Area of work (indications)

Molecular Diagnostic company

5.23 Medimmune Pharma (AstraZeneca)

MedImmune Pharma is the worldwide biologics business for the AstraZeneca Group.



The company has approximately 3,300 employees worldwide and is headquartered in Gaithersburg, Maryland with facilities in Pennsylvania, California, Kentucky, the United Kingdom, and the Netherlands.

With two marketed products and an advancing pipeline of promising drug candidates, MedImmune strives to deliver life-changing products, a rewarding career to our employees and a tireless commitment to improving patient health.

MedImmune is located since 1993 at Lagelandseweg 78 in Nijmegen. At our Nijmegen manufacturing facility, we produce vials of drugs for research and commercial purposes, meeting a range of needs from potential cancer cures to vaccinations for premature babies.

The facility consists of production, labelling and packaging, quality control, quality assurance, materials management, facilities and a host of other areas. MedImmune is a part of AstraZeneca since June 2007.

We are located in Nijmegen and the majority of our employees come from Brabant, Gelderland and Limburg. Our products find their use all over the world. On February 14, 2019, it was announced that the MedImmune name and branding would be discontinued in favour of AstraZeneca.

Services and Products

- Fill/finish of liquid and lyophilized parenteral product



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Website

www.astrazeneca.com



Number of persons employed

51 - 200

5.24 Memidis Pharma



Memidis Pharma is a gynaecology and urology dedicated pharmaceutical company.

We understand that success lays with strong and durable partnerships where complementing our know-how with the expertise of excellent partners is the key to success.

Within the field of Urological and Gynaecologic diseases there are still patients with highly unmet needs. To meet these needs we need to market or develop innovative products that have substantial clinical added value for doctors and patients.

We are open for in-licensing or acquisition opportunities.

Memidis Pharma has become a reliable partner in uro-gynecology by marketing a broad range of innovative products for Women's & Men's Health.

We are constantly searching for new treatment options in this field. With our expertise in the uro-gynecology market in the BENELUX we are a well-positioned partner and are able to bring products successfully to the market.

Services and Products

What services does your company offer?

- Develop innovative products
- Market innovative products

Expertise or Knowledge

We are constantly searching for new treatment options in this field. With our expertise in the uro-gynecology market in the BENELUX we are a well-positioned partner and are able to bring products successfully to the market.



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Website

www.memidis.nl

Area of activity

- Product development
 - Drug development
 - Medical technology

Drug Discovery and Development activities pursued

- Commercial and marketing

Area of work (indications)

Gynaecology Urology Generics

5.25 MercachemSyncom

MercachemSyncom is the leading mid-sized European drug-discovery contract research organization for solving your chemistry challenges.



From the design and synthesis of small to medium-sized molecule hits, to the delivery of first GMP batches of identified clinical candidates. For over 25 years we blend vast scientific knowledge and inventiveness to make great leaps on your behalf. We go further to unlock new potential.

As your preferred chemistry partner, we aim to create your value by combining our synthetic power, collective intelligence, medchem insights and CMC know-how.

Services and Products

What services does your company offer?

- Discovery Chemistry
- Medicinal Chemistry
- Parallel Chemistry
- Process Research Chemistry
- Scale-up synthesis
- GMP Synthesis

Expertise or Knowledge

Providing Chemistry solutions in the following areas:

- Discovery Chemistry
- Medicinal Chemistry
- Parallel Chemistry
- Process Research Chemistry
- Scale-up synthesis
- GMP Synthesis



Address

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Website

www.mercachemsyncom.com



Number of persons employed

300

Area of activity

- Contract Research Organisation

Drug Discovery and Development activities pursued

- Hit identification
- Lead finding

Area of work (indications)

Mainly (Bio)pharmaceutical, agrochemical

5.26 Mercurna



Mercurna is developing a platform for the delivery of messenger RNA (mRNA) to a variety of tissues.

Using lipid, polymers and/or peptides, we are generating nano-particles capable of delivering mRNA with high efficiency to a variety of tissues in a targeted manner. Currently, our main focus is to bring a first drug into the clinic. This drug will serve as a proof-of-principle of the platform as a whole and will provide a valuable treatment for patients with Chronic Kidney Disease.

Chronic kidney disease (CKD) is a great unmet clinical need, covering a wide-spectrum of diseases, commonly denominated by progressive damage and inflammation of the glomerulus (the filter of the kidney). More than 850 million people are affected worldwide and yet no medication exists that is able to fully stop or even reverse the course of the disease.

Mercurna's mRNA-based drug for CKD would target a unique combination of pathogenic pathways and we aim thereby to provide an unprecedented high efficacy and minimal side effects.

Services and Products

What services does your company offer?

- Custom mRNA synthesis and purification

What products does your company make?

- Novel drugs against various indications

Expertise or Knowledge

- Nano-particles / delivery systems
- Messenger RNA
- Targeted delivery
- Nano-particle drug discovery



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Website

www.mercurna.com



Number of persons employed

3

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II

Area of work (indications)

- Chronic Kidney Disease
- Various undisclosed indications

5.27 ModiQuest Research

For over 10 years ModiQuest[®] Research specializes in the generation of monoclonal antibodies against difficult targets for R&D, diagnostic and therapeutic applications.

Using our proprietary ModiVacc[™] (hyper-immune stimulatory cell immunization), ModiFuse[™] (electrofusion-based hybridoma generation), ModiSelect[™] (antigen-specific B-cell selection) and ModiPhage[™] (phage display) technologies, we can generate monoclonal antibodies from multiple species against virtually any target. Besides lead antibody generation, we also provide antibody engineering (ModiTune[™]), such as affinity maturation and humanization, and production (ModiXpress[™]) in transient and stable mammalian cell systems. All services are offered on a fee-for-service basis.

Services and Products

What services does your company offer?

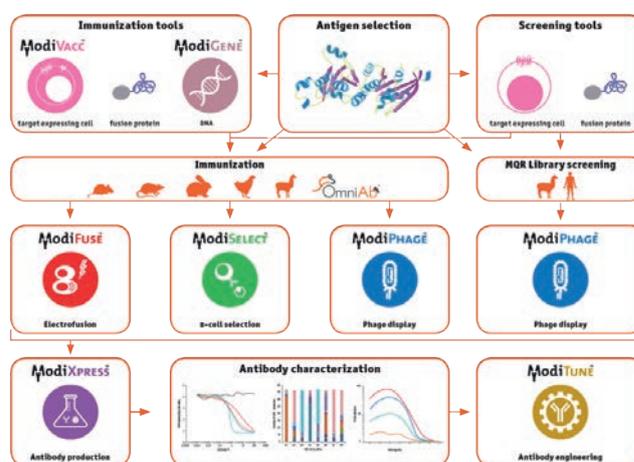
- Stable target-expressing or antibody expressing cell line generation
- Recombinant protein or antibody productions up to 10L scale
- Immunization services (mouse, rat, rabbit, chicken, lama, transgenics)
- Hybridoma technology
- B-cell selection technology
- Phage display library generation and screening
- Antibody engineering (affinity maturation, humanization, bi-specifics)
- Full characterization of selected antibodies (e.g. functionality, purity, specificity, sequence liability)
- Target analysis to identify best method for above described techniques

What products does your company make?

- Antibodies
- Proteins
- Cell lines

Expertise or Knowledge

- Expertise and knowledge of the full antibody discovery phase as depicted in the graphic below.



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Website

www.modiquestresearch.nl



Number of persons employed

10-20

Area of activity

- Product development
 - Drug development
 - Diagnostics
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding

Area of work (indications)

Biotechnology

5.28 MSD Animal Health

MSD Animal Health is dedicated to preserving and improving the health, well-being and performance of companion animals (such as dogs, cats, and horses) and livestock (ruminants, pigs, poultry, and farmed fish). The company offers veterinarians, farmers, pet owners and governments one of the widest ranges of veterinary medicines, vaccines and veterinary services.

MSD Animal Health in the Netherlands has locations in Boxmeer and De Bilt. The campus in Boxmeer is the world's largest center for the development and production of veterinary vaccines. About 1400 people work at MSD Animal Health in the Netherlands. One in eight people works in research and development, while around half of the total staff works in manufacturing and quality control. The remaining employees work in support departments and services. The sales organization for the Netherlands is also based in Boxmeer. This one location houses many important functions for vaccine development (research, development, production, quality control, logistics, marketing and sales). Thanks to the incredible amount of knowledge, expertise and experience possessed by its employees, MSD Animal Health in Boxmeer is a Center of Excellence.

Services and Products

What products does your company make?

- Vaccine for animal health
- Pharmaceuticals for animal health
- Biologics for animal health
- Health support/platform for farmers and food producing industries

Expertise or Knowledge

- Bacteriology, virology and parasitology
- Host-pathogen interactions
- Vaccine technology
- Process development/fermentation/cell culture
- Immunology/assay development/Immune stimulation/Adjuvants
- Disease models
- Animal Health



Address

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Website

www.msd-animal-health.nl



Number of persons employed

1500

Area of activity

- Product development
 - Drug development
 - Medical technology
 - Diagnostics

Drug Discovery and Development activities pursued

- Target selection and validation
- Biomarkers / Translational Sciences
- Clinical development phase III / Registration
- Regulatory
- Commercial and marketing

Noviocell BV is a highly innovative biotech company. It focuses on the development of the first ever synthetic solution for 3D cell culturing, ranging from organoid growth to personalized medicine.

Noviocell will build upon its two proprietary hydrogel technologies; the soft thermo-responsive helical oligo(ethylene)glycol polyisocyanopeptides (PICs) hydrogel and the programmed self-assembly of peptide-modified cyclohexane triacid derivatives into self-assembled nanofibers and develop them into easy-to-use solutions for biomedical researchers, biotech and pharma industry and clinicians.

The potential of 3D cell culturing is evident: never before have we been able to assess the complexity of (human) biology in such a detailed manner. Recent highlights include brain, liver and disease-specific organoids (which especially have shown tremendous value in combination with gene editing technology such as CRISPR/CAS). These will contribute to our understanding of health and disease as well as identification of new therapeutic targets and biomarkers. But to fully leverage the potential of 3D cell culturing it is necessary to address three key bottlenecks: robustness, scalability and clinical use.

The most commonly used matrices are from animal origin. This leads to batch-to-batch variability resulting in inconsistencies in results. Noviocell will build upon its synthetic hydrogels and develop them into easy-to-use solutions. The unique combination of tunable biofunctionality and biomechanics of the hydrogels make them excellent matrices for 3D cell culture or regenerative medicine.

Services and Products

What products does your company make?

- Synthetic hydrogels for 3D cell culture

Expertise or Knowledge

- Polymer chemistry
- Cell biology: stem cells, organoids and spheroids



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Website

www.noviocell.com



Number of persons employed

5

Area of activity

- Product development
 - Medical technology
 - Diagnostics

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Pre-clinical development Safety and toxicology

Area of work (indications)

Life Science Research market

NYtor was founded in 2007 by Jacqueline Vet (co-inventor of the molecular beacon probe technology). NYtor employs an enthusiastic and motivated team of PhDs and research technicians with ample experience and state-of-the-art knowledge of molecular diagnostic assay development. Initially, the Nijmegen-based company was located at the University campus. However, to enable further growth, NYtor moved in January 2014 to its current location, a prominent place directly behind the historic St. Stephanus church.

What we do

NYtor designs and develops molecular detection assays in the field of human and veterinary diagnostics. Our main focus is the development of smart molecular assays for the detection of antibiotic resistance. In close harmony with our customer, NYtor develops prototype assays and works together with a broad network of carefully selected suppliers and partners. Based on your demand NYtor can support design, development and prototype kit production. Currently NYtor is in the transition towards ISO 13485 certification.

Examples of commercial assays of which the prototype assays are developed by NYtor are:

- ESBL and CPE qPCR assays (Check-Points, Wageningen, NL)
- TVMGRES qPCR (PathoFinder, Maastricht, NL)
- Poultry/Swine pathogen detection qPCR assays (BioChek, Reeuwijk, NL)

Innovation

Ultra-sensitive detection and quantitation of mutations.

To detect rare tumor cells in the presence of abundant normal cells, SuperSelective primers are used to develop low-cost, sensitive (~0,01%), specific, and highly multiplexed (up to 20) qPCR assays. NYtor works in close collaboration with the inventors of the SuperSelective primer technology (Department of Molecular Genetics,

PHRI, Rutgers University, Newark) enabling efficient development of these innovative assays.

Point of Care (PoC) applications using molecular beacons.

In addition to their use in PCR, molecular beacons can be applied in isothermal amplification assays or as detector probes on biosensors and are therefore a perfect tool for PoC applications. Due to their hairpin structure molecular beacons are extremely specific and can easily discriminate single-nucleotide

Services and Products

What services does your company offer?

- Development of prototype smart molecular diagnostic kits

What products does your company make?

- NYtor develops prototype molecular diagnostic kits and works together with other companies that perform final validation, production and sales. The kits are mainly used in diagnosis of infectious diseases/antibiotic resistance and early screening of cancer.

Expertise or Knowledge

- Real-time PCR
- Isothermal amplification
- Primer - Probe technologies
- Assay development



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Number of persons employed

5 - 9

Area of activity

- Product development
 - Diagnostics
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection and validation

Osteo-Pharma BV develops novel medication and medical devices for orthopedic and dental applications for the local treatment of bone fractures and bone defects.

Osteo-Pharma's technology platform is based on applying local sustained delivery of low molecular weight compounds that enhance bone formation while simultaneously inhibiting bone resorption. Osteo-Pharma was founded in Januari 2014 and applies novel technology to deliver pharmaceuticals locally near to a bone fracture or bone defect. By encapsulating pharmaceuticals in a biodegradable carrier sustained release of pharmaceuticals over a 6-8 week period is achieved. During this period bone growth is enhanced and bone resorption is inhibited resulting in a net effect of bone growth. This technology is now in development to improve the healing of bone fractures, bone defects and for the treatment of osteoarthritis. In addition, Osteo-Pharma is developing a novel coating for dental and orthopedic implants to improve osseo-integration and to prevent implant loosening.

Services and Products

What products does your company make?

- Medical Devices (Class 3)
- Pharmaceuticals

Expertise or Knowledge

- Bone biology
- Bone fracture healing
- Controlled and sustained drug release technology



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Number of persons employed

3

Area of activity

- Product development
 - Drug development
 - Medical technology

Drug Discovery and Development activities pursued

- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Clinical development phase III / Registration

Area of work (indications)

Regenerative medicine, Drug development, Controlled release systems, Orthopedics, Dental

5.32 PharmaCytics

PharmaCytics is a pharmaceutical Research company, specialized in synthetic chemistry, and produces bioactive molecules to study and manipulate biological systems.

The company has extensive expertise on medicinal chemistry, prodrugs, linkers, and drug delivery, with special emphasis on nutrient-drug conjugates.

We are a team of scientists and business experts, highly motivated to develop new and value-added therapies to relieve medical issues of patients. Our focus is to provide innovative solutions to improve suboptimal properties of small-molecule drugs and therapeutic peptides. One of our main drug delivery projects is to facilitate transport of biomolecules through cellular membranes. By combining knowledge of cellular processes with medicinal chemistry expertise, we have developed proprietary technology to solve bioavailability issues of (oral) medication by exploiting the transport capacity of specific carrier proteins. Our technology also holds promise to facilitate uptake of anticancer drugs into tumor cells and to enable passage of CNS active compounds through the blood-brain barrier.

Services and Products

What services does your company offer?

- Drug delivery: improving oral bioavailability of small molecule drugs and therapeutic peptides by applying advanced prodrug technologies
- Application of linker technologies to prepare nutrient-drug conjugates, drug-drug conjugates and drug-protein conjugates

What products does your company make?

- Improved versions of small molecule drugs and therapeutic peptides

Expertise or Knowledge

- Prodrug technologies
- Linker technologies
- Drug delivery
- Lead optimization



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Number of persons employed

10 - 15

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Lead finding

Area of work (indications)

Oncology, immunology, cardiovascular, CNS

PharmSupport provides staffing and expertise in the field of quality and compliance to the pharmaceutical industry, food industry, hospital world and other organizations to which comparable quality requirements apply.

Our vision is that quality improvement and increasing efficiency & effectiveness can go hand in hand. “First Time Right” and “Lean Six Sigma” are therefore key cornerstones of our services. Our mission is to provide expertise and support that perfectly matches the needs of our customers. We focus on the Right First Time improvement of the general quality, GMP and regulatory compliance level of our clients, so that the requirements of the national and international supervisory authorities are met.

Services and Products

What services does your company offer?

- Consultancy & audits
- Quality as a Service
- Training & education
- Staffing (through PharmSupport-Flexwerk N.V.)

Expertise or Knowledge

- Development, implementation, assessment, monitoring and coordination of GMP, GDP, GAMP, GDS, ISO 9001, ISO 13485 quality management systems
- Audits, preparation & follow-up of inspections
- Screening of - and support with application for - required pharmaceutical licenses
- Pharmaceutical risk assessments, including GDS, warehousing and distribution
- Establishment and implementation of (risk based) CAPA plans
- Qualification and validation of pharmaceutical equipment, utilities, facilities, systems and processes, including automation
- Development, implementation, assessment, monitoring and coordination of serialisation requirements according FMD.



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Number of persons employed

7

Area of activity

- Supporting pharma service

Drug Discovery and Development activities pursued

- Regulatory
- Commercial and marketing

Area of work

GMP, GDP, GxP, auditing, training, deviation management, risk management, change control, validation, qualification, medical devices, CFR 820, ISO 13485

5.34 Pivot Park Screening Centre

Pivot Park Screening Centre (PPSC) provides drug discovery services in the field of assay development, lab automation, (ultra) High Throughput Screening ((u)HTS)) and hit-2-lead testing to find novel leads for drug development.

The screening facility includes state-of-the-art robotic systems, instrumentation for biological profiling and a collection of 300,000 high quality drug-like compounds. Established in 2012 as a spin-off from Organon / MSD, PPSC uses a new, open innovation approach to build on the long-established history of screening in Oss, the Netherlands. PPSC is located on Pivot Park, an inspiring life sciences campus for open innovation in the life sciences with focus on pharmaceutical R&D.

Services and Products

What services does your company offer?

- ultra High Throughput Screening - We offer state-of-the-art automation for low to ultra-High Throughput Screening to find and optimize novel leads for drug development. We can help you miniaturize your assays to 96-, 384- or 1536-well formats for Low, Medium or High Throughput Screening including hit validation, hit-to-lead and lead optimization.
- Assay Development - Our experienced team provides you with tailored biochemical and cellular assay solutions to find leads for your target class. We facilitate every unique drug discovery project with a wide range of measurement technologies. Currently we also perform assay development from scratch for a few big pharma companies.
- Compound Library – We have a high quality compound library available for your drug discovery screens performed at PPSC. For screening projects we offer a compound library of 300,000 high quality

drug-like compounds. It is a diverse set of compounds that can be applied to a wide range of targets. It includes subsets of known drugs (~1200) and reference compounds (~400) that can be used for assay validation and drug-repurposing studies. In addition we can also screen on the compound set of our customers.

- Hit triaging - Our expertise ranging from assay development and in-vitro pharmacology to medicinal chemistry (at partners) and high-content screening helps you navigate your hit list and triangulate the most promising leads in different therapeutic areas.
- Open Access Lab - Our open access laboratory is designed to provide you with the experienced technical staff and easy-to-use automation infrastructure for assay development, screening, hit-to-lead, high content analysis and technology development. The open access lab at PPSC gives you a fast and direct access to laboratory space, a broad selection of instruments and specialised supporting staff without large investments. You can flexibly scale up your experiments and efficiently run your own biology using our automation and expertise.

Expertise or Knowledge

- Pivot Park Screening Centre's expertise lies in providing drug discovery services in the field of assay development, lab automation, (ultra) High Throughput Screening ((u)HTS)) and hit-2-lead testing to find novel leads for drug development.



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Number of persons employed

30

Area of activity

- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection
- Hit identification
- Lead finding

Area of work (indications)

Thanks to our extensive experience we're able to provide Assay Development and Compound Screening (biochemical and cellular, mostly in 1536-well format) and Hit2Lead support for a wide variety of indications.

ProtActivity focusses on the development of vaccines against protozoal diseases.



The aim is to bring effective vaccines and diagnostics to the market in order to improve animal health, and sustain food production. We have broad experience in antigen discovery, vaccine formulation, production, quality control and registration worldwide. We collaborate with partners in research projects on contract basis, and give advice and support to our customers on specific topics on a consultancy basis. Partners profit from our broad network with universities, industry, governmental and non-governmental organizations.

Services and Products

What services does your company offer?

- Advice and support to partners to the development of vaccines

What products does your company make?

- Vaccines against protozoa
- Vaccines against haemoparasites (ticks)

Expertise or Knowledge

- Commercial vaccine development
- Ticks and tick borne diseases
- Infectious diseases (pathogenesis and immunology)
- Tropical animal health



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Number of persons employed

1

Area of activity

- Product development
 - Drug development
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Biomarkers / Translational Sciences
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Clinical development phase III / Registration
- Regulatory

Area of work (indications)

Vaccines against ticks and tick borne diseases

5.36 Protinhi Therapeutics

Protinhi Therapeutics is an early stage biotech company, developing novel drugs against diseases with a high unmet medical need using proprietary technology and compounds that target diseases via Protease Inhibition. The focus of Protinhi is on upcoming viral threats and particularly on Dengue and Zika.

Services and Products

What products does your company make?

- Lead compounds for outlicensing

Expertise or Knowledge

- Drug development
- Medicinal chemistry
- Assay development
- Bioinformatics
- Molecular modelling



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Number of persons employed

3

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Regulatory
- Commercial and marketing

Area of work (indications)

Virology

5.37 QM Diagnostics

QM Diagnostics is an internationally operating, independent and innovative diagnostic microbiological laboratory.

We are specialized in health monitoring of small laboratory animals used for biomedical research. To help our clients getting the most out of our services, we provide a wide range of complementary consultancy services as well.

We believe that sharing our vast experience and our innovative spirit, with our clients and with our scientific partners, leads to better diagnostics and increased certainty. Something we all, including the laboratory animals, benefit from. Sharing knowledge has become part of our DNA, and it guides everything we do today – it is contagious.

Services and Products

What services does your company offer?

- Diagnostic services for microbiology, serology, parasitology and molecular diagnostics
- Consultancy in Laboratory animal science
- Test development related to pathogen detection

Expertise or Knowledge

- Test development (serological assays, molecular assays, microbiological techniques)
- Rodent, rabbit and Zebrafish health monitoring
- Pathogens relates to Laboratory animals
- Assessing health risk in animals facility



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Area of activity

- Product development
 - Diagnostics

Area of work (indications)

Diagnostics

QPharmetra helps drug development companies bring new medicines to market more efficiently by using clinical pharmacology and pharmacometric analysis to help choose the dose, identify the best patient population, design trials, position drugs in the competitive landscape and effectively support these decisions to regulators.

Using a variety of the latest pharmacometric tools and techniques we work to integrate all available data, creating sophisticated mathematical models to make rational development decisions and provide clear and robust reports to support the decisions.

Services

What services does your company offer?

- Pharmacometric Consulting
- Clinical Pharmacology Consulting

What products does your company make?

- Customized Software Solutions supporting Pharmacometrics

Expertise or Knowledge

- Modeling & simulation
- Pharmacokinetics
- Statistics
- Clinical Drug Development
- Software



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Area of activity

- Contract Research Organisation
- Supporting pharma service

Drug Discovery and Development activities pursued

- Biomarkers / Translational Sciences
- Pre-clinical development DMPK
- Clinical development phase I/II
- Clinical development phase III/Registration

Area of work (indications)

Pharmacometrics & Clinical Pharmacology

Smivet BV was founded in 2013 in the Netherlands. The mission of this start-up company is to bring new innovative veterinary medicinal products to the market and by doing so contribute to Animal Health.

The company focuses for its internal research pipeline on projects that deliver products for niche markets. The laboratory was established in Nijmegen in 2017.

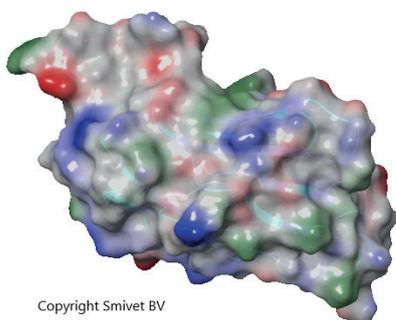
Smivet can also be your partner in the research, development and licensing of veterinary medicinal products and diagnostics.

We can support you with Regulatory Affairs activities, Due Diligence activities and R&D activities.

Services and Products

What services does your company offer?

- Single domain antibody platform(s) for animals
- Single domain antibody product development
- Consultancy on R&D of VMP, regulatory affairs for VMPs, and interim management in these areas.



Copyright Smivet BV

What products does your company make?

- VMPs based on single domain antibodies.
- Scientific reports on requested research topics.

Expertise or Knowledge

- Veterinary science (Virology, Bacteriology, Immunology)
- Veterinary preclinical VMP research
- Veterinary clinical development
- Veterinary Regulatory affairs
- Therapeutic single domain antibody development
- Management experience with research teams
- Broad experience in the veterinary pharma industry



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Number of persons employed

2

Area of activity

- Product development
 - Drug development
 - Diagnostics
- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Pre-clinical development Safety and toxicology
- Clinical development phase III / Registration
- Regulatory

Area of work (indications)

Veterinary medicine (incl one health targets), research and development of veterinary medicinal products (VMP)

5.40 SPL Medical

The purpose of SPL Medical is to save the lives of cancer patients with novel diagnostic imaging solutions that allow a more effective and safe therapy. SPL does that by enabling radiologists and medical professionals to make an effective and specific detection of lymph node metastasis.

The Radboud University Medical Center (Radboudumc) has its sights set on being a leader in the development of sustainable, innovative, and affordable healthcare. Professor Dr. Jelle Barentsz, radiologist at the Radboudumc, received in 2007 the Queen Wilhelmina Research Prize from KWF Kankerbestrijding for the application of new MRI techniques to better map prostate cancer and possible metastases. This Dutch foundation 'Fight against cancer' is a close partner of Radboudumc. Their subsidy has made possible the start-up of the development of Ferrotran.

The contrast agent Ferrotran has been used successfully at Radboudumc in hundreds of cancer patients. Through new investments by the German pharmaceutical company b.e. imaging GmbH and Dutch development company PPM Oost, SPL Medical wants to finance European registration of Ferrotran to enable the diagnosis of prostate cancer metastases in the lymph nodes. Later additional indications will follow.

Services and Products

What products does your company make?

- Contrast agent for (early) detection of lymph node metastases in prostate cancer in MRI

Expertise or Knowledge

- Contrast agents market
- Clinical research
- IP
- Certain pharmaceutical manufacturing steps
- Regulatory



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Website

www.ferrotran.com

Area of activity

- Product development
 - Drug development
 - Diagnostics

Drug Discovery and Development activities pursued

- Clinical development phase III / Registration
- Commercial and marketing

Area of work (indications)

(Early) Detection of lymph node metastases in prostate cancer in MRI

5.41 Synaffix



Formed in 2010, Synaffix BV is a Netherlands-based biotechnology company exclusively focused on continued advancement of our best-in-class, clinical-stage antibody-drug conjugate (ADC) technology platform.

As a leading innovator in the field of ADCs offering absolute versatility and state-of-the-art solutions, our vision is to become the preferred partner in the development of these complex biological therapeutics and realize our ambition – connect to cure.

We are backed by a top tier, life science-focused investor syndicate including Aravis, BioGeneration Ventures, BOM Capital and M Ventures.

Our antibody conjugation technology, GlycoConnect™, enables the design of complex biological drugs without the need for prior genetic modification and with specificity and precision similar to what is used to design modern small molecule drugs. Combined with our payload-enhancing linker technology, HydraSpace™, and the superior stability and efficacy offered by our proprietary BCN-based metal-free click chemistry, the resulting ADCs come with an expanded therapeutic index (TI) and improved manufacturability. Most recently, our underlying platform has been expanded with the addition of the toxSYN™ ADC payload platform that our collaborators may use to build proprietary ADCs for their pipelines.

First-in-human studies of an ADC prepared with Synaffix technology were initiated end of 2018 and are currently ongoing.

Services and Products

What services does your company offer?

- Antibody conjugation technology
- Linker technology
- Cytotoxic payloads

Expertise or Knowledge

- Antibody conjugation
- Preclinical development of ADCs
- Click chemistry



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Number of persons employed

14

Area of activity

- Drug development
 - Medical technology

Drug Discovery and Development activities pursued

- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II

Area of work (indications)

Oncology

Synthon is an international pharmaceutical company, and a leader in the field of generic human medicines.

Founded in 1991, Synthon has been working in biotechnology since 2007 and is developing rapidly into a specialty pharmaceutical company. We work to develop therapies that address the needs of people worldwide and help improve their health and well-being. With our portfolio of innovative medicines, we will provide treatment options for patients in selected therapeutic areas with high unmet medical needs. Through the provision of high-quality generic medicines, we make treatments more affordable and increase access to important remedies. Currently, our products are approved by regulatory agencies in more than 90 countries and marketed through strategic partnerships and – in dedicated areas – through direct sales. Synthon's head office is based in Nijmegen, the Netherlands, and the company has affiliates in eight other countries. In 2017, it recorded a turnover of EUR 240 million. The company employs around 1,900 staff of whom over 500 work in Nijmegen.

Services and Products

What services does your company offer?

- In selected cases we enter license agreements for our innovative programs, technology platforms or patents

What products does your company make?

- Generic human medicines
- Innovative human medicines, including antibody-drug conjugates

Expertise or Knowledge

- complex small-molecule chemistries
- medicinal chemistry
- cell line development and cell culture
- protein purification and protein modification including (site-specific) conjugation
- analytics
- formulation as well as GMP manufacturing capabilities to support the development of novel medicines
- pre-clinical R&D: in vitro pharmacology, in vivo pharmacology, protein interaction, companion diagnostics and toxicology
- clinical R&D
- regulatory and intellectual property expertise



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Number of persons employed

>500 (around 1,900 worldwide)

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Biomarkers / Translational Sciences
- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Clinical development phase III / Registration
- Regulatory
- Commercial and marketing

Area of work (indications)

In our business unit for generic medicines, we address a variety of therapeutic areas, including allergy, anti-infective, cardiovascular, CNS, oncology, musculoskeletal, systemic and urology. In our innovative business unit, we develop new molecular entities for areas with high unmet medical needs, mainly in oncology and autoimmune diseases.

TropiQ Health Sciences operates a technology platform for the discovery and development of molecules to combat insect-borne infectious diseases. TropiQ combines world-class parasitological and entomological expertise with state of the art drug discovery technologies. Through this combination, TropiQ is uniquely positioned to accelerate the development of novel medicines, vaccines and vector control measures.

Services and Products

What services does your company offer?

- Drug screening against pathogens and vectors
- Project management

What products does your company make?

- Research reagents (reference microorganisms, monoclonal antibodies)

Expertise or Knowledge

- Tropical infectious diseases (emphasis on malaria, dengue, tuberculosis)
- Molecular pharmacology
- Entomology
- Assay development and drug discovery



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Number of persons employed

10 - 20

Area of activity

- Contract Research Organisation

Drug Discovery and Development activities pursued

- Target selection and validation
- Hit identification
- Lead finding
- Biomarkers / Translational Sciences
- Pre-clinical development DMPK

Area of work (indications)

Tropical infectious diseases

In a fast-changing world, with continuing disease pressure and continuous risk of fast emerging diseases, Vaxxinova is committed to providing adequate preventive solutions. Microorganisms do not respect borders and can spread fast, both across geographical borders and across species.

Vaxxinova believes in 'business without borders'. In other words, we believe that long term local and global professional partnerships between Vaxxinova and veterinarians, animal health professionals and research institutes are the best way to prevent diseases, reduce the use of antibiotics and support performance improvement programs.

The development of vaccines is crucial for our society as vaccines support disease prevention. They make a positive contribution to 'One Health', the collaborative effort of multiple disciplines to attain optimal health for people, animals and the environment. Vaccines also help to make the food production more resource efficient and they support the antibiotics reduction.



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Area of activity

- Product development
 - Drug development
 - Diagnostics

Area of work (indications)

Animal health, vaccines

5.45 Xenikos



Xenikos aims to develop new medicines, based on the action of toxin-conjugated antibodies that enables patients suffering serious immune diseases, or rejection after transplantation, to reset their immune system quickly and efficiently. Xenikos strives to develop new, innovative immunotherapy medicines to help restore patients' health and save lives.

Expertise or Knowledge

- Development of therapeutic antibodies towards registration in the US and EU



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Number of persons employed

6 - 10

Area of activity

- Product development
 - Drug development

Drug Discovery and Development activities pursued

- Biomarkers / Translational Sciences
- Pre-clinical development DMPK
- Pre-clinical development Safety and toxicology
- Clinical development phase I/II
- Clinical development phase III/Registration
- Regulatory
- Commercial and marketing

Area of work (indications)

Immune indications

5.46 Miscellaneous Companies

Aduro Biotech Europe

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Certara

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Escalier Biosciences

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Alveron Pharma

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Chardon Pharma

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Eurofins Bactimm

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Charles River

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Modiquest Research

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OCS Life Sciences

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Prexton Therapeutics

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Location De Geer

 **Address**
Veersemeer 4
5347 JN Oss

 **Website**
www.msd.nl/oss

Okklo Life Sciences

 **Address**
Novio Tech Campus
Transistorweg 5
6534 AT Nijmegen

 **Website**
www.okklo.com

Staten Biotechnology

 **Address**
Novio Tech Campus
Transistorweg 5J
6534 AT Nijmegen

 **Website**
www.statenbiotech.com

Netherlands Translational Research Center

 **Address**
Pivot Park
Kloosterstraat 9
5349 AB Oss

 **Website**
www.ntrc.nl

ORCA Therapeutics

 **Address**
FiftyTwoDegrees
Jonkerbosplein 52
6534 AB Nijmegen

 **Website**
www.orca-therapeutics.nl

OrgaNext Research

 **Address**
Jansbuitensingel 7
6811 AA Arnhem

 **Website**
www.organext.com

6

Hospitals

Guide
Drug Discovery & Development
companies and institutes

6.1 Bernhoven



Bernhoven is a general hospital in the Oss-Uden-Veghel region where safety and quality are paramount. Providing the very best care together in a contemporary way, that is what Bernhoven stands for. We achieve this with 150 medical specialists and around 2,100 employees. Bernhoven wants to be the most people-oriented hospital in the Netherlands, where both patients and employees are central. Our expertise, our hospitality and the unique location of our main location, with De Maashorst nature area as the backdrop, form the pillars of this ambition.

**Address**

Nistelrodeseweg 10
5406 PT Uden

Gezondheidslaan 1a
5342 JW Oss

**Telephone**

+31 (0)485 84 50 00

**Website**

www.bernhoven.nl

6.2 Canisius Wilhelmina Ziekenhuis

CWZ is one of the 27 top clinical training hospitals in the Netherlands. Our hospital has 28 medical specialties, 8 paramedical departments, and 5 departments such as emergency care and IC. Almost 4,000 employees and many volunteers provide personal care to patients every day. nature area as the backdrop, form the pillars of this ambition.

**Address**

Weg door Jonkerbos 100
6532 SZ Nijmegen

**Telephone**

+31 (0)24 365 76 57

**E-mail**

klantenservice@cwz.nl

**Website**

www.cwz.nl

6.3 Jeroen Bosch Ziekenhuis

Our starting point is that patients deserve the best possible care that suits them, offered close by and according to their needs. Together we determine what care they need and from whom.

We use all our of expertises to meet the personal and medical needs and seek cooperation, for example with family and friends, the general practitioner, the municipality and home care. That is what we stand for as Jeroen Bosch Hospital.



Address

Henri Dunantstraat 1
5223 GZ's-Hertogenbosch



Telephone

+31 (0)73 553 20 00



Website

www.jeroenboschziekenhuis.nl

6.4 Sint Maartenskliniek



Sint Maartenskliniek

At the Sint Maartenskliniek everything revolves around the human movement.

As a specialized hospital, we are a leader in the treatment of postural and movement disorders in the Netherlands and Europe.

The Sint Maartenskliniek offers its treatments and care at various locations in the Netherlands: Nijmegen, Woerden, Boxmeer, Panningen and Geldrop.

The Sint Maartenkliniek is known for its approach concerning complex disorders. We focus on the treatment of all orthopedic disorders, rheumatic diseases and rehabilitation after illness or an accident.



Address

Hengstdal 3
6574 NA Ubbergen



Telephone

+31 (0)24 365 99 11



E-mail

contact@maartenskliniek.nl



Website

www.maartenskliniek.nl

6.5 Maasziekenhuis Pantein

Maasziekenhuis Pantein offers specialist medical services in the field of health and well-being. The main target group is the inhabitants of the Land van Cuijk and Noord-Limburg.

In order to be able to offer the best possible care as a hospital close to home, various specialties from the Radboudumc and the Sint Maartenskliniek are also housed in the Maasziekenhuis. As a result, the client has to travel less far and is assured of both the best possible basic care and excellent specialist care.



Address

Dokter Kopstraat 1
5835 DV Beugen



Telephone

+31 (0)485 84 50 00

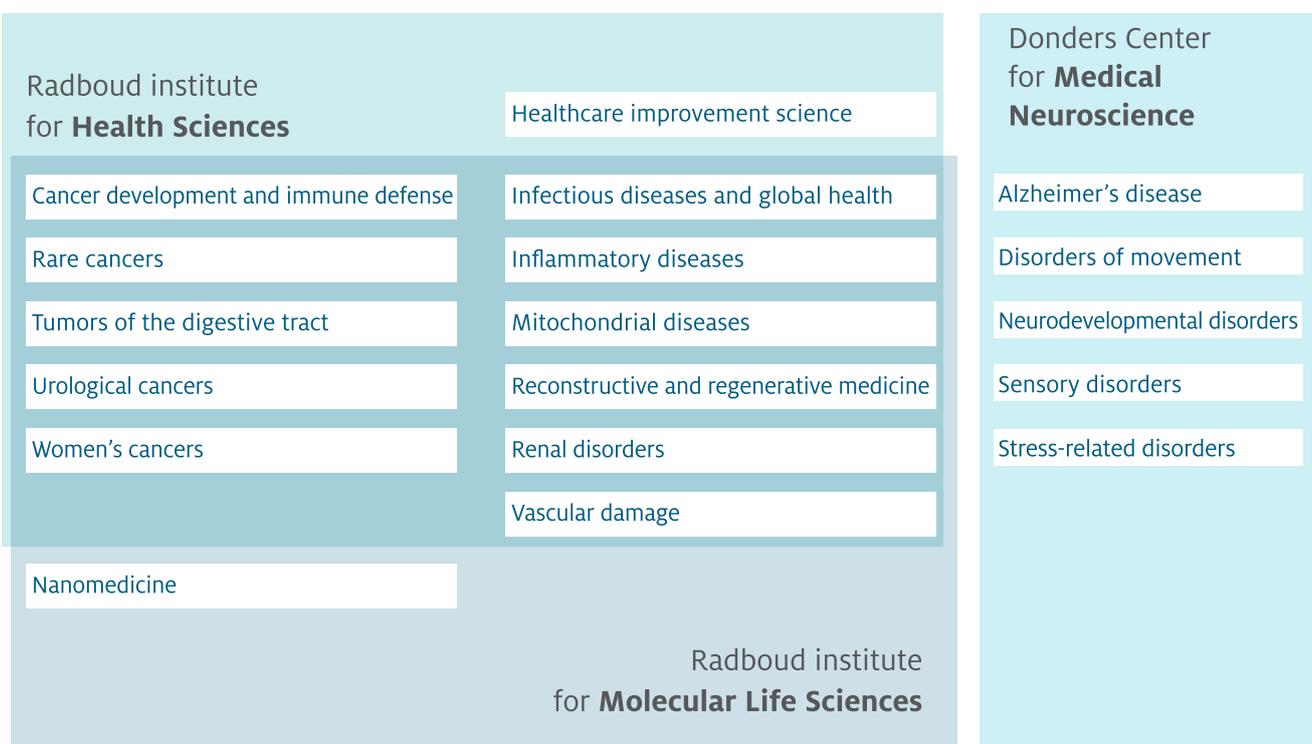


Website

www.maasziekenhuispantein.nl

Radboud university medical center is a leading academic centre for medical science, education and health care. Knowledge forms the heart of our organisation, connecting research, education and patient care. Over 9.000 staff and 3.000 students are committed and ambitious to contribute to the future of healthcare and medical science. You'll find our main research themes below.

Research institutes and themes



Address

Geert Grooteplein Zuid 10
6525 GA Nijmegen



Telephone

+31 (0)24 361 11 11



Website

www.radboudumc.nl/en/research

6.7 Rijnstate



Rijnstate is a hospital in the Arnhem, Rheden and De Liemers region. We offer excellent hospital care of top clinical quality. We do this at four locations: Arnhem, Zevenaar, Velp and Arnhem-Zuid.

We are constantly improving our care and expertise. We do a lot of research into the causes of diseases and into better treatments. In addition, we work intensively with patients and with other healthcare providers, inside and outside the hospital, to improve our care.



Address

Wagnerlaan 55
6815 AD Arnhem

**Telephone**

+31 (0)88 055 88 88

**Website**

www.rijnstate.nl

6.8 VieCuri Medisch Centrum



VieCuri Medical Center is a top clinical hospital, affiliated with the Cooperating Top Clinical Training Hospitals (STZ). People from the region can go to VieCuri with almost any care demand, both in Venlo and in Venray. In addition, there are regional outpatient clinics in Panningen, Reuver and Horst.

**Address**

Merseloseweg 130
5801 CE Venray

**Telephone**

+31 (0)478 52 22 22

**Website**

www.viecuri.nl

6.9 Ziekenhuis Gelderse Vallei

Gelderse Vallei Hospital in Ede provides medical care, research and innovation. We provide patients with tools that they can use to develop a healthy lifestyle to generate health benefits for their future lives.

**Address**

Willy Brandtlaan 10
6716 RP Ede

**Telephone**

+31 (0)318 43 43 43

**Website**

www.geldersevallei.nl/home