## Netherlands Economic Mission to Boston

4 - 9 June 2023



**Netherlands** 

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#### **Foreword**





It is our great pleasure to welcome you to our trade mission to Boston, dedicated to Life Sciences & Health.

One-third of the Netherlands' wealth is earned beyond our borders. The Dutch government is proud of our business and research community and its capacity for innovation. This mission to Boston comes at a crucial time, when we are facing major challenges and good transatlantic relations are essential to the Netherlands' security and prosperity. Now, more than ever, we must join forces and use our gift for innovation to face these challenges.

The Greater Boston area is the world's capital of the life sciences industry. It's home to more than 1,000 biotechnology companies, ranging from startups to billion-dollar pharmaceutical companies. The many world leading universities in the area give the region a large network of scientists and an excellent talent pipeline. This means that Boston is full of economic opportunities for collaboration and investment between American and Dutch companies and knowledge institutions.

This mission is a way of showcasing the strength of Dutch companies and organizations in the Life Sciences & Health sector. It is an honour to lead this trade mission together.

#### Micky Adriaansens

Minister for Economic Affairs and Climate Policy

#### **Ernst Kuipers**

Minister for Health, Welfare and Sport

#### **Foreword**



Welcome to the Life Sciences mission to Boston. It is a great privilege and pleasure to be the business delegation leader of the visit of Minister of Economic Affairs and Climate Policy, Micky Adriaansens and Minister of Health, Welfare and Sport, Ernst Kuipers, to the BIO International Convention. Their joint participation highlights the exciting opportunities and strong ties between the Netherlands and Massachusetts in the field of life sciences.

As two world-renowned hubs of innovation and research, the Netherlands and Massachusetts share a long history of collaboration in many areas, including life sciences. In fact, the ties between the two regions date back centuries, with the Dutch playing an integral role in the early settlement of Massachusetts. Today, the strong connections between the two regions continue to flourish, fueled by a shared commitment to advancing the frontiers of science and technology.

The Netherlands is a global leader in life sciences, with a thriving ecosystem of startups, research institutions, and established companies. The country is home to a highly talented workforce, cutting-edge research facilities, and a supportive government that fosters innovation and entrepreneurship. Similarly, Massachusetts is renowned for its vibrant life sciences community, which includes world class universities, top research organizations and the world's best biotech firms. Together these two regions are a force to be reckoned with, driving innovation and discovery in the life sciences industry.

The Life Sciences mission from the Netherlands to Boston in the presence of two ministers opens doors for Dutch life sciences companies to connect with their counterparts in Massachusetts and explore new business opportunities. It offers the possibility for Dutch participants to expand their reach and establish a presence in one of the world's most dynamic life sciences ecosystems. Likewise, we anticipate that this visit will provide valuable insights to our counterparts in Massachusetts about the Netherlands as Europe's connected life science & health metropolis.

We look forward to further solidifying the bond between our two regions and express the strong belief that by collaboration and innovation, we can drive the future of life sciences, in the interest of sustainable healthcare, of long-term economic growth, and last but certainly not least, of patients.

#### Hans Schikan

Business Delegation Leader, Top Team Life Sciences & Health



## Map of the Netherlands

#### Locations

- 1. Amsterdam (and Airport Schiphol)
- 2. Arnhem
- 3. Assen
- 4. Breda
- 5. 's Hertogenbosch
- 6. Eindhoven
- 7. Enschede
- 8. Groningen

- 9. Haarlem
- 10. The Hague
- 11. Leeuwarden
- 12. Lelystad
- 13. Maastricht
- 14. Middelburg
- 15. Rotterdam
- 16. Utrecht
- 17. Zwolle

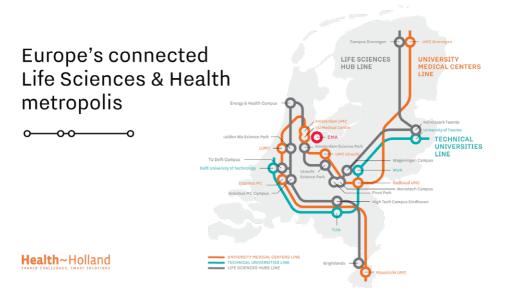


### **Introducing the Netherlands**

#### How do the Dutch make a difference?

Through their interactive approach to finding innovative solutions to the big challenges facing the world today. The Dutch way of thinking and working has been shaped by centuries of living in the low-lying delta of the Netherlands. Through the ages, the Dutch have joined forces to find ingenious ways to tackle challenges like water, urbanisation, energy, food, health and security. By being inventive, pragmatic and open to new challenges, the Dutch have created a flourishing and resilient land.

The Netherlands is a constantly evolving ecosystem of cities, industry, agriculture and nature, all integrated through smart infrastructure. It is a source of knowledge and experience that the Dutch are keen to share with others. Learning from the past to create a better future. Together, seeking sustainable solutions for the most liveable world.



## What more does the Netherlands have to offer?

#1

Global Connectedness Index (DHL) #1

Quality of Life Index (NUMBEO)

#1

Most research papers published per capita in EU (SJR)

#2

Healthcare in highincome nations (Commonwealth Fund) #2

Growth Promise Indicator (KPMG) #2

Global Entrepreneurship Monitor (GEM)

#3

Digital Economy and Society Index (European Commission) #4

Global Competitiveness Report (WEF) #5

Global Innovation Leader (WIPO)

### Facts & Figures

Official name:

Kingdom of the Netherlands

Capital:

Amsterdam

Seat of government:

The Hague

Form of government:

Parliamentary democracy (cabinet of Prime Minister and Ministers) within a constitutional monarchy

Head of State:

His Majesty King Willem-Alexander, King of the Netherlands, Prince of Orange-Nassau

Location:

Western Europe, bordering Germany, Belgium and the North Sea Administrative structure:

The kingdom consists of four entities.

The Netherlands and three territories in the
Caribbean: Aruba and Curação and St. Maarten

Special municipalities:

The overseas islands of Bonaire, Saba and St. Eustatius, all three of which are situated in the Caribbean

Surface area:

41,545 km<sup>2</sup>

Number of inhabitants (2022):

17,564,623

Monetary Unit:

Euro

Languages:

Dutch, Frisian and on the overseas islands also English and Papiaments

GDP per capita (World Bank, 2021):

58,061 US dollars

Number of provinces:

12

Number of inhabitants per km2 (2022):

423

Unemployment rate (CBS, 2022):

3.3%

English speaking Dutch people:

90%



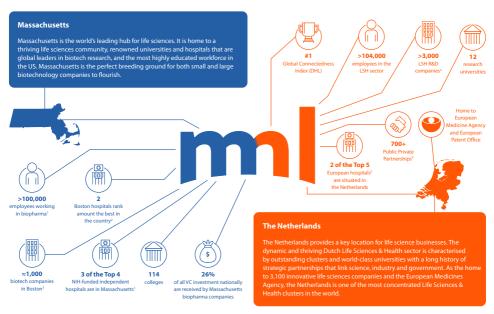
#### Massachusetts and the Netherlands

During the economic mission of Prime Minister Rutte and Minister Bruins of VWS to Boston in 2019, a historic agreement was made to enhance collaboration in the life sciences industry between the Netherlands and Massachusetts. As a result, a comprehensive program was designed to boost investments, businesses, research, and talent between the two regions. With Health~Holland and Massachusetts Life Sciences Center leading the charge, this Program of Cooperation is supported by a group of exceptional organizations, including the Termeer Foundation, HollandBIO, MassBio, and the Association of Innovative Medicines

Since then, several initiatives, including three life sciences-themed missions, a virtual workshop on clinical development, and an investment conference for Dutch startups, have been launched, all with great success. The Termeer Foundation is proud to sponsor the third Henri Termeer Transatlantic Connections Award, which honors the legacy of a visionary Dutchman and former CEO of Genzyme who

played a pioneering role in the biotech industry in Massachusetts and beyond. This award supports young biotech entrepreneurs. The collaboration between the Netherlands and Massachusetts is an opportunity to build on the legacy of Termeer and strengthen ties in the life sciences industry.

In the short term, these initiatives have already delivered excellent results, with multiple Dutch participants establishing partnerships and collaborations in Massachusetts, and two participants choosing to establish their European headquarters in the Netherlands. This trade mission to Boston marks the next milestone in this exciting collaboration. It offers the delegation a prime opportunity to leverage Boston's dynamic life sciences ecosystem while showcasing the Netherlands' world-class life sciences industry.



<sup>&</sup>lt;sup>1</sup>MassBio's Industry Snapshot report, 2022, https://www.massbio.org/industry-snapsho

<sup>&</sup>lt;sup>2</sup> U.S. News' annual Best Hospitals Honor Roll, a list of the top 20 hospitals nationwide.

<sup>3</sup> February 2023: https://www.epmscientific.com/blog/2023/02/boston-is-now-the-largest-biotech-hubl/--text=Boston%20is%20home%20to%20almost,smaller%20companies%20and%20start%2Dups

<sup>\*</sup>Bidbook 2023 \*https://hospitals.webometrics.info/en/Europe

## Company profiles

Amgen

Amsterdam UMC Ardena Bioanalysis

Arega Medical
AstraZeneca
BioConnection

Bi/ond

**Biotech Booster** 

**Dutch Association Innovative** 

Medicines

FAST Health~Hol

Health~Holland HollandBIO

**Hybridize Therapeutics** 

Intravacc

Janssen Biologics Janssen-Cilag

Kadans Science Partner Leiden Bio Science Park

Leiden University Life Cooperative Loyens & Loeff

MSD

**Municipality Oss** 

NanoCell Therapeutics

Neolook Solutions Netherlands Foreign Investment Agency Nostics

**Novartis** 

Ofichem Group

Organon Orgonex PD-value Philikos

Pivot Park / PPSC

Poonawalla Science Park Protinhi Therapeutics

Radboud university medical

center

Rijksmuseum Boerhaave

Roche Nederland Rotterdam Square

Sanofi

ShanX Medtech SRC-Search

TASK Research International

THINC. Healthcare

TNL TNO

University Medical Center

Groningen

UMC Utrecht, U-TRIAL & THINC

Healthcare VivArt-X VNO-NCW

## **AMGEN**



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#### **Amgen**

Amgen is an international biotechnology company that makes an active contribution to better care. Amgen scientists have been developing innovative therapies for patients with serious illnesses since 1980. Our product portfolio encompasses the following therapeutic areas: oncology, hematology, bone diseases, inflammation, and cardiovascular diseases.

Amgen is active in around 100 countries worldwide. Amgen Europe BV has been located in Breda since 1997. At this site, Amgen medicines are labeled, provided with patient information leaflets, packaged and distributed throughout Europe and to a growing number of countries in other parts of the world. The Dutch sales organization Amgen Netherlands BV is also located in Breda. It is responsible for the availability of our medicines and clinical trials in the Netherlands.

Amgen has built up an excellent, worldwide reputation in the area of biologics - medicines made using biotechnological techniques. Amgen supplies highquality medicines and focuses primarily on patients with conditions for which few or no treatment options exist. We are committed to ensuring the best possible outcomes for patients and are working together with our partners inside and outside the healthcare sector to create a better future.





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Amsterdam UMC De Boelelaan 1117 / 1118 1081 HV Amsterdam The Netherlands www.amsterdamumc.org

#### **Amsterdam UMC**

Amsterdam UMC is a leading medical center that combines complex high-quality patient care, innovative scientific research, and education of the next generation health care professionals. Since the merger of the two academic hospitals AMC and VUmc to form Amsterdam UMC, over 16,000 people now work together at the two locations to provide excellent and accessible care.

Amsterdam UMC Research brings together opinion leading academic research in the field of Health & Life Sciences developed in the Amsterdam region. In doing so - and on the authority of the two medical centers and the two universities - Amsterdam now has eight alliance research institutes, each with dedicated expertise and focused on particular disease indications. Foremost, the Amsterdam UMC is known for its unique expertise and facilities to perform translational research, from bench to bed and vice versa, which has a strong base in our academic history. This concentration of expertise makes the centre a breeding ground for fruitful public-private collaborations and venture building.

## **↑**RDEN<sup>↑</sup> Bioanalysis



Melloney Dröge Managing Director +31 6 4933 4578 melloney.droge@ ardena.com

#### Ardena Bioanalysis

At Ardena Bioanalysis, we offer a full range of bioanalytical services, from non-regulated early drug discovery to regulated preclinical and clinical phases (Phases I-IV).

In our GLP and GCP compliant laboratory (Assen, The Netherlands), the focus is on state-of-the-art quantitative bioanalysis. For any bioanalytical inquiry, regardless of your analyte, a dedicated method development team solves the most complex bioanalytical challenges in any thinkable biological matrix. With advanced equipment, specialized PK, immunogenicity and biomarker methods are developed and analytes of interest are detected down to the required quantification level.

We offer solutions for all types of drug products and biomarkers, from small molecules to proteins including antibodies, antibody drug conjugates, oligonucleotides, vaccines and nanoparticles.

Experienced in LC-MS/MS and ligand binding assays, specialized in immunogenicity analysis, and with an in-house flow-cytometry facility, we are the lead partner for your drug's assay development and assay validation. Our bioanalytical services streamline regulatory approval.



#### Ardena Bioanalysis

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**Teun Grooters** Chief Executive Officer +31 6 1589 5730 teun.grooters@arega.com

#### **Arega Medical**

Arega Medical, is the leading R&D healthcare company that focusses on identification, development and commercialization of repurposed drugs for untreatable diseases. We have a diversified clinical late-stage R&D portfolio of repurposed drugs in high unmet need diseases.

We aim to address the society need for sustainable healthcare as well as patient's needs for effective, safe and affordable therapies.

We have the conviction and the vision to disrupt the pharmaceutical market.

Repurposed drugs offer a more efficient and costeffective development path. We believe that the savings this brings to society, should be fed into the healthcare system. Our promise is socially responsible pricing to support sustainable healthcare.

Precision medicine by network pharmacology is a revolution in medicine. Artificial intelligence allows mapping of underlying disease mechanisms and design of targeted drug combinations, treating the underlying disease processes instead of merely providing symptom relief. By combining drugs with companion diagnostics, we will be able to offer precision treatments to patients suffering from untreatable complex diseases.



#### Arega Medical

Verlengde Poolseweg 16 4818 CL Breda The Netherlands www.aregamedical.com

## AstraZeneca 🕏



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# AstraZeneca Prinses Beatrixlaan 582 2595 BM The Hague The Netherlands +3179 363 2222 www.astrazeneca.nl

#### **AstraZeneca**

At AstraZeneca we are transforming healthcare for billions of people. As the burden of disease grows and the population ages, the health needs of many remain unmet. Empowered by digital, data, and AI, science is accelerating our understanding of disease, our ability to predict success and our delivery of life changing medicines.

Globally over 83,000 colleagues work together to create novel, more environmentally friendly therapies and vaccines and help people with chronic diseases live better lives.

We work ethically and sustainably, rapidly becoming carbon negative, supporting the resilience of healthcare systems and increasing access to healthcare for patients. We believe that the health of people, society, and planet are interconnected.

We have a balanced presence across regions and a diversified portfolio, with a strong focus on oncology, respiratory, immunology, cardiac, metabolic and infectious disease and rare disease. With a turnover over \$44B (2022), we invest almost \$10B annually (2022) in research and development. By 2030, we expect to launch at least 15 new medicines.

Our Dutch headquarters are situated in The Hague. In addition, over 100 colleagues work in our fill & finish location in Nijmegen. In Oss, about 100 scientists work in our European R&D hub for haematology research.

#### **BIO--CONNECTION**



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#### **BioConnection**

BioConnection is a GMP contract manufacturer for the production of sterile drug products in vials or syringes. Our state-of-the art GMP manufacturing facility in Oss, The Netherlands is EMA and US-FDA certified and we have more than 15 years of experience. We can handle liquid products (including suspensions) and freeze dried products in batch sizes ranging from a few hundred vials per batch (personalized medicine purposes) up to 150,000 vials per batch (commercial productions).

We offer complete drug product service packages including drug product development, filling and freeze drying, technology transfers, scale-up, validation programs, analytical support, stability studies, regulatory dossier support, label & pack (incl. serialization) and final GMP release.





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### bi/ond.



Cinzia Silvestri CEO and Co-founder +31 6 2631 7805 cinzia@biondteam.com

#### Bi/ond

Bi/ond is at the forefront of the emerging field of engineered microchips for biological applications. Our organ-on-chip technology represents a gamechanging innovation that has the potential to transform the way we develop and test new drugs.

The convergence of biology and engineering has opened up exciting new avenues for biomedical research. Our microfluidic chips enable researchers to nourish, stimulate, and monitor human cells in a way that closely mimics the in vivo environment, providing a physiologically relevant model for drug development and testing.

At Bi/ond, we believe that personalized medicine is the future of healthcare. Every person is unique, and our medicines should reflect that. However, current drugs often fail due to interpersonal variation. Our technology solves this problem by providing a platform for easy development and testing of new drugs considering individual differences.

Not only does our technology have the potential to reduce the need for animal testing in research and pharma R&D, but it also represents a step forward in the fight against diseases such as muscular dystrophies and cancer. Our model has already proven to faithfully mimic the in vivo response to different anti-cancer drugs, and can be used to test the effect of drugs on patient tissues, including tumor tissue and heart- and skeletal muscle.





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#### **Biotech Booster**

Biotech Booster is a Dutch national program to stimulate commercialization of biotechnology research from academia and small industry. The program will run from 2022 − 2031 and is financed by the National Growth Fund with a subsidy of ~ € 250M, to which cofinancing from partners will be added.

The Biotech Booster program will finance extra biotech business developers for technology transfer offices of universities and network developers for universities of applied sciences. Applicants can submit projects that can be financed at several levels: level 1 for proof of principle (max €200k) and level 2 for proof of concept (max €1.9M). Level 3 will be the 'scale-out' phase.

The most important new element of Biotech Booster is the joint involvement of academia and entrepreneurs. From day 1, projects will be advised by entrepreneurs as well and negotiations for spinning out will be done by a team consisting of experienced entrepreneurs and representatives of the project origin, bespoke to the specific project.

With these tools we will strengthen and accelerate the commercialisation of the wealth of biotechnology R&D that is generated in our country.

#### **Biotech Booster**

c/o VU
De Boelelaan 1105
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www.biotechbooster.nl

#### **Dutch Association** Innovative Medicines



Marco Frenken Chairman of the Board at Dutch Association Innovative Medicines & Country Manager at Lilly Netherlands +316 5382 2969 frenken marco@lillv.com



**Erwin Vermeulen Project Leader Business** Climate & Innovation +31 6 1360 6315 e.vermeulen@innovatieve geneesmiddelen.nl





**Dutch Association Innovative Medicines** 

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www.vereniginginnovatievegeneesmiddelen.nl

#### **Dutch Association Innovative Medicines**

The Dutch Association Innovative Medicines is a branch organization that represents more than 40 innovative (bio)pharmaceutical companies in the Netherlands that are focused on research and development of new medicines.

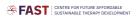
Innovative medicines and vaccines are essential for our health, economy and society. Therefore, the association strives for optimal conditions for positioning the Dutch innovative medicines sector as a crucial player for the sustainable development of and optimal access to new medicines and vaccines.

We aspire to lead the Netherlands within Europe in:

- · Broad and rapid access;
- · Better and longer lives;
- Innovation.

We do this in an open dialogue and co-creation with our stakeholders, both professionals and the general public.

We are stronger together!



#### Ce



Clémence Ross Vice President info@fast.nl



Benien Vingerhoed Managing Director +316 3450 1714 benien.vingerhoed@ fast.nl

#### **FAST**

## Centre for Future Affordable Sustainable Therapy development

FAST is a centre of expertise and collaboration, commissioned by the Dutch government. The centre is initiated to foster faster, smarter, and sustainable development, production and access of new therapies for patients. It bundles and unlocks expertise and stimulates connectivity in the ecosystem. Opportunities and hurdles are identified, prioritized and subsequently tackled in an integrated manner, for example in use cases, experiments and pilot studies.

FAST connects stakeholders who are actively involved in the process of innovative therapy development, such as researchers, patients, entrepreneurs, science parks and regulatory authorities.





#### FAST Laan van Nieuw Oost-Indië 334 2593 CE The Hague The Netherlands www.fast.nl

#### NL Health~Holland



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Meet the Health~Holland team

#### Health~Holland

Top Sector Life Sciences & Health (Health~Holland) works together with public and private parties to promote the economic opportunities of the societal theme Health & Care of the Dutch cabinet's Mission-driven Top Sectors and Innovation Policy. The coalition does this on the basis of the five Health & Care missions, formulated by the Ministry of Health, Welfare and Sport.

The central mission is as follows: By 2040, all Dutch citizens will live at least five years longer in good health, while the health inequalities between the lowest and highest socioeconomic groups will have decreased by 30%. There are four underlying missions that contribute to this central mission through changes to lifestyle and living environment, offering more care in the right place and better perspectives for people with chronic diseases, lifelong disabilities and dementia. With this approach, the Netherlands seeks to effectively tackle major societal challenges. Industry can optimally respond to the economic opportunities that these challenges bring.



## Health~Holland Wilhelmina van Pruisenweg 104 2595 AN The Hague The Netherlands www.health-holland.com

## Holland **BIO**



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#### **HollandBIO**

HollandBIO is the Dutch biotechnology industry association. HollandBIO aims for a maximal contribution of life sciences and biotech to a healthy and sustainable society. Under the motto "challenge the status quo", HollandBIO concentrates its efforts on removing the obstacles that get in the way of our frontrunners. We are very proud to represent over 270 member companies: startups, SMEs and multinational companies that work on new therapies, vaccines, diagnostics, food, cultivated meat or the biobased economy.



#### **HollandBIO**

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Eline van Beest CEO +31 6 4224 1411 eline@hybridizetx.com

#### **Hybridize Therapeutics**

We want to give patients that suffer from untreated kidney diseases a perspective to be treated. We bring unique expertise and perspectives together to develop RNA-based therapies with this purpose.

#### RNA therapeutics for the kidney

Our mission is to unlock the kidney as an organ. We focus on kidney delivery and work with a discovery engine to become the RNA expert for kidney diseases. While oligonucleotides naturally accumulate in the kidney, Hybridize aims to improve kidney uptake and enable cell-specific targeting of its RNA therapies.

#### Validated technology (100mln deal)

Hybridize's initial program is an innovative RNA-based therapy that targets the BK-virus and was out licensed to AiCuris with a total deal value of €100mln. BK-virus is a highly prevalent renal virus that can cause major clinical issues for immunocompromised kidney transplant patients.

#### Strong team and network

The team is built by experienced people in the field of RNA therapeutics and entrepreneurship. Hybridize is a spin-off from the Leiden University Medical Center (LUMC). The LUMC has played a pioneering role in both nephrology and RNA-based medicine since 1943.

For more information, please visit www.hybridizetherapeutics.com

# Hybridize Therapeutics De Limes 7 2342 DH Oegstgeest The Netherlands www.hybridize therapeutics.com





Jan Groen CEO & Chairman +31 6 1524 7321 Jan.Groen@Intravacc.nl

#### **Intravacc**

Intravacc is an established independent CDMO with years of experience in developing and optimizing vaccines for infectious diseases and therapeutic vaccines, which has transferred its technology worldwide for vaccines against polio, measles, diphtheria, Hib, and influenza. Around 30% of childhood disease vaccines are based on Intravacc's technology and knowhow.

Intravacc offers a wide range of expertise for independent vaccine development, from concept to Phase I/II clinical studies, for customers around the world.

Intravacc continues to capitalize on the critical global trends in healthcare: the ever-growing need for prevention and intervention for infectious diseases and cancer. Our innovative vaccine platforms and vaccine contract development and manufacturing capabilities are well positioned to address the unmet needs in the vaccine and immune therapy market which is currently estimated at \$37 billion in 2021 and is expected to grow at a compound annual growth rate (CAGR) of 6.6% to \$55 billion by 2027.







#### Intravacc

Anthonie van Leeuwenhoeklaan 9 3721 MA Bilthoven The Netherlands www.Intravacc.nl The company's head office is located on the Utrecht Science Park location Bilthoven, The Netherlands, and has state-of-the-art laboratories and GMP production facilities. Intravacc is a limited liability company incorporated under Dutch law. Intravacc is a state holding company since 1 January 2021, under the Ministry of Health, Welfare and Sports (VWS).





Manuella Wilts Acting General Manager +31 6 1107 5912 Mwilts@its.ini.com

#### Janssen Biologics

At Janssen, we're creating a future where disease is a thing of the past. We're the Pharmaceutical Companies of Johnson & Johnson, researching and developing treatments and preventive solutions for some of the most devastating diseases and complex medical challenges of our times.

We focus on six therapeutic areas where we can make the biggest difference: Immunology; Infectious Diseases & Vaccines, Neuroscience; Oncology; Cardiovascular, Metabolism & Retina; and Pulmonary Hypertension.

At Janssen Biologics, we use our biotechnical experience, expertise, and technology to manufacture, test and deliver complex biological medicines and vaccines to patients around the globe. All our innovative treatments start their production process with the aid of living cells and are manufactured with the highest safety and quality standards.

In The Netherlands, Janssen has more than 2500 employees in three different entities: Janssen Biologics for high-tech production, Janssen-Cilag as the commercial entity, and Janssen Vaccines & Prevention as Research & Development focused entity in the domain of infectious diseases. Janssen ranks at the third position in R&D investing, private companies in The Netherlands.











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#### Janssen-Cilag

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We focus on six therapeutic areas where we can make the biggest difference: Immunology; Infectious Diseases & Vaccines, Neuroscience; Oncology; Cardiovascular, Metabolism & Retina; and Pulmonary Hypertension.

At Janssen Biologics, we use our biotechnical experience, expertise, and technology to manufacture, test and deliver complex biological medicines and vaccines to patients around the globe. All our innovative treatments start their production process with the aid of living cells and are manufactured with the highest safety and quality standards.

In The Netherlands, Janssen has more than 2500 employees in three different entities: Janssen Biologics for high-tech production, Janssen-Cilag as the commercial entity, and Janssen Vaccines & Prevention as Research & Development focused entity in the domain of infectious diseases. Janssen ranks at the third position in R&D investing, private companies in The Netherlands.





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#### **Kadans Science Partner**

Kadans Science Partner's mission is to build and support innovative ecosystems. With industry-leading intelligence, -knowledge and experience Kadans offers state-of-the-art specialist accommodation and access to an ecosystem of industry-leading businesses, optimising our tenants' success and stimulate innovation together.

Kadans focuses on investing in (developing, investing, building, financing and buying), leasing and managing Technical Laboratory & office facilities throughout Europe. From laboratories and clean rooms to research facilities and climate-controlled spaces, we design and build inspiring buildings inhabited by inspiring people.

Through our in-house teams, Kadans stays involved with all tenants and can quickly respond to an organisation's changing accommodation needs.

Tenants benefit from our flexible commercial structures which allow for financial resources to be saved which can be used for the core business, thus stimulating innovation

Kadans believes in the power of collaboration, and carefully selects its tenants and external partners to create opportunities, share knowledge and resources, and work together to achieve shared goals. We take a proactive approach to building this innovation ecosystem.





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Ida Haisma Director Leiden Bio Science Park Foundation +31 6 1203 7710 ihaisma@lbsp.nl

#### Leiden Bio Science Park

The Leiden Bio Science Park (LBSP) has acquired over the past 39 years, a strong, global position. With a.o. innovative companies, researchers and startups on the premises, LBSP Foundation is committed to develop the future. Established almost 40 years ago, we have evolved into the Netherlands' largest LSH cluster, connecting talent, researchers and entrepreneurs to work on achieving healthy lives for everyone. Within the district you will find companies, educational and research institutions, unique facilities and valuable collaboration on the entire drug development chain.

LBSP is a hub for progress. Our team focuses on the positioning of the district and its community of more than 21,000 innovators and 22.500 students. With access to Knowledge, Innovation, Human Capital, Capital and Market, we try to streamline a most efficient learning and production process between and within these learning communities. Do not hesitate to visit our website and/or subscribe to our newsletter for the latest news or updates on our high-quality programmes.



Leiden Bio Science Park Foundation

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#### **Leiden University**

Founded in 1575, Leiden University is pioneering research and teaching based on a wide diversity of academic disciplines. We firmly believe that working and studying in an international community generates new insights, inspiring contacts and more creative research and teaching. Life Sciences constitutes one of the five key research areas of Leiden University, with a special focus on drug discovery and development. There are many complex links in the chain that provides patients with new drugs: from fundamental science, to clinical tests, to production. The entire chain can be found in Leiden.

Researchers from the Leiden Academic Centre for Drug Research, the Leiden Institute for Chemical Research and the Leiden Institute of Biology collaborate to make the hunt for new drugs as efficient as possible. Researchers from the Leiden Academic Centre for Drug Research, the Leiden Institute for Chemical Research and the Leiden Institute of Biology work closely together to discover new targets for drugs and to develop molecules that act on them. LBSP is just a stone's throw away from the buildings of Leiden University and the LUMC. On this site of over 110 hectares, more than 200 businesses and institutes focus on numerous different aspects of drug development.





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#### **Life Cooperative**

Life Cooperative has the ambition to boost the life science & health innovation in Northern Netherlands, to further strengthen and grow the ecosystem, with the objective to impact health(care) and healthy aging. With our cooperative approach we want to accomplish this ambition together with local governments and knowledge institutes.

#### The focus will be on:

- · Develop and execute an effective human capital strategy with local knowledge institutes
- · Building shared laboratory & manufacturing facilities
- · Create easy access to funding for our members.

Furthermore, we organize collective training, combined purchasing of laboratory equipment and materials, and shared visits to international fairs and congresses.

The LIFE Cooperative represents 50 startup and SMEs in the Life Sciences & Health sector in the Northern Netherlands. Together we are making the difference.

#### Life Cooperative

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#### **Loyens & Loeff**

As a leading firm, Loyens & Loeff is the logical choice for a legal and tax partner if you do business in or from the Netherlands, Belgium, Luxembourg and Switzerland, our home markets. You can count on personal advice from any of our 1000 advisers based in one of our offices in the Benelux and Switzerland or in key financial centres around the world. Thanks to our full-service practice, specific sector experience and thorough understanding of the market, our advisers comprehend exactly what you need.

#### LSH Team

Rapid transformation in the Life Sciences & Healthcare industry requires organisations to strike a balance between market potential, policy compliance and patient demands with continued innovation.

We are all affected by this sector, and it falls under heavy social and political scrutiny. Regulation of competition in the sector has also made it increasingly dynamic and challenging. As the demand for life sciences and healthcare services is ever-growing, so too are the strains and scrutiny placed on its decision makers

With the largest Life Sciences & Healthcare Team in de Dutch market, we can relate to our clients and deliver top tier services during all the stages of business lifecycle.





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Frank Mattijssen Executive Director Finance +31 6 2246 0245 frank\_mattijssen@ merck.com





MSD Waarderweg 39 2031 BN Haarlem The Netherlands https://msd.nl

#### **MSD**

MSD, part of the international company Merck & Co, offers innovative treatments to improve both human and animal health. The company has been at the heart of Dutch society for almost 100 years: today, MSD employs over 5,000 people in The Netherlands, who deliver on our purpose to save and improve lives with heart, soul and pride.

As an important and valued employer, MSD's innovation and production power make it a major economic player at a local, national and international level. From its four Dutch sites, MSD develops, researches, tests, manufactures, and packages medicines and vaccines - all from the Netherlands. And we export our products to over 140 countries worldwide. In Haarlem, we manufacture and package vaccines and medicines. This is also where we built our sustainable cold store and innovative laboratory. Together, our locations in Boxmeer and De Bilt are MSD's largest R&D facility for animal health solutions worldwide. In Oss we focus on biotechnology: a field in which we were one of the pioneers 25 years ago. This site contributed substantially to the early development of immunotherapy, and it still plays an important role in the production of this innovative cancer treatment.





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#### **Municipality Oss**

The municipality of Oss is a city in the Netherlands. As a city, Oss has a strong track record in manufacturing in Life Sciences. Life Science fits perfectly with our future, which is why the municipality will be happy to support any company who wants to start a business. We will do that with our greatest asset: our people. The people of Oss are known for their no-nonsense attitude, their mantra of work hard and work smart. In Oss, business people create partnerships in business, but do so with education, research, and government parties as well. As a result, an exceptional network of industry, research, academic and professional training has been created in Oss and the region, ready to support your business. They have life sciences companies such as MSD, Organon, and Aspen and also Pivot Park, a life sciences campus.





Municipality Oss Raadhuislaan 2 5340 BA Oss The Netherlands www.oss.nl





Maurits Geerlings Chief Executive Officer +31 6 2953 3788 mgeerlings@nanocelltx.com

# **NanoCell Therapeutics**

NanoCell Therapeutics is a trans-Atlantic company developing a New Biological Entity-based targeted gene delivery platform, with the vision to make cell engineered therapies truly affordable, scalable, and widely accessible for the general patient population.

Our cell-directed nanoparticle technology is able to deliver DNA plasmids without viral vectors to specific cells of interest, such as T cells, upon intravenous administration. Because DNA stably integrates into the target cell's genome, our therapies are designed to provide durable efficacy, thereby overcoming limitations of RNA-based therapies. Our new class of medicines has the potential to transform the fields of CAR- and TCR therapy, as well as somatic gene therapy.

Our cell-directed nanoparticles can also be directed to monocytes, NK cells, B cells, monocytes, hepatocytes, endothelial cells, and many other cell types, which broadens the spectrum of applicable clinical indications beyond oncology, to include autoimmune/inflammatory, infectious, cardiovascular, protein/enzyme deficiency, and other diseases.

# NanoCell Therapeutics

Padualaan 8 3584 CH Utrecht The Netherlands www.nanocelltx.com



Neolook Solutions



Marco D'Agata CEO +31639490555 marco.dagata@ neolooksolutions.com

# **Neolook Solutions**

Neolook is a beautiful spin-out of Philips with a global business case. Though a young company, our value proposition is acknowledged and valued by leading hospitals in The Netherlands and Europe.

We develop and commercialize so called video augmented services for babies and children in intensive care. These are:

- · Involving parents, siblings, and relatives to increase family bonds and to prevent traumatic fallout (Neolook Family).
- · Supporting scientific research, drive continuous innovation by longform, high resolution data capture which is instant ready for data science and AI. Including a stack of key clinical AIs for diagnostic and therapeutic purposes (Neolook Academic).
- · Serve nurses and doctors in day-to-day challenging practice with line-of-sight solutions, remote consultations, and diagnostics (Neolook Professional).





**Neolook Solutions** Padualaan 8 3584 CH Utrecht The Netherlands www.neolooksolutions.com

# **INVEST IN** Holland



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**Netherlands Foreign Investment Agency** Prinses Beatrixlaan 2 2595 AL The Hague The Netherlands www.investinholland.com

# **Netherlands Foreign Investment Agency**

Invest in Holland: Connect with us to advance health and care for all

Invest in Holland is the national network of the Netherlands Foreign Investment Agency (NFIA), an operational unit of the Dutch Ministry of Economic Affairs and Climate Policy, and our regional and local partners. Together, we advise foreign companies with ambitions to solve global challenges through expansion in Europe. We can guide you on your road to business expansion in the Netherlands, providing relevant information and connecting you to the right resources and partners. With our expert team of life sciences specialists and global network of foreign offices, we know how to connect the international industry with business opportunities in the Netherlands. Our flourishing international life sciences ecosystem offers specialized research clusters and powerful publicprivate partnerships - enabling you to develop, test and market your innovations. Let's start the conversation about advancing health and care with the Netherlands.

Interested? Contact lsh@investinholland.com

# Latest developments in the LSH sector in the Netherlands:

- Viz.ai Expands to the Netherlands with a Focus on Life-Saving Diagnostics >
- · Organon Opens Experience Center in the Netherlands on International Women's Day >
- NanoString Technologies Establishes EMEA Headquarters in the Netherlands >



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**Nostics** Pietersbergweg 199 1105 BM Amsterdam The Netherlands www.nostics.com

## **Nostics**

Nostics' novel diagnostics platform technology powers its mission to provide data-driven, accessible testing for all. Combining Nobel prize winning science, advanced nanotechnology & AI, Nostics provides easyto-use, handheld, and cloud-based solutions, able to detect and identify pathogens from patient samples in only 15 min.

Everyone deserves to be in good health and get the right treatment when they are sick. The rapid increase of antimicrobial resistance and the spread of infectious diseases is endangering global healthcare, as treatments become ineffective and unaffordable.

At Nostics, we believe that no antimicrobial treatment should start without an accurate diagnosis, and that every healthcare professional should have access to data-driven diagnostics, without the need for a lab. Ensuring we can prescribe the correct, narrowspectrum antimicrobials, prevents over-use, misuse, and patient burden. Affordable, battery operated, dust, temperature, and shock resistant, the platform is made to be used even in the most rural locations.

The company was founded in 2020, employs 24 people, and is based in the Netherlands and the US. Nostics is in the process of obtaining FDA approval and CE certification for their first product.

# **I** NOVARTIS



Jan Güse **Head Public Affairs** +316 5354 4008 jan.guse@novartis.com



Novartis is a pharmaceutical company committed to making a meaningful contribution to healthcare. By leveraging science-based innovations, we strive to achieve better treatment outcomes for patients around the world. In our search for new medicines, we are consistently among the world's top companies, investing in research and development. Worldwide, Novartis' products reach nearly 1 billion people.

We have a clear focus on five core therapeutic areas (cardiovascular, immunology, neuroscience, solid tumors, and hematology), with multiple significant in-market and pipeline assets in each of these areas, that address high disease burden and have substantial growth potential. In addition to two established technology platforms (chemistry and biotherapeutics), three emerging platforms (gene & cell therapy, radioligand therapy, and xRNA) are being prioritized for continued investment into new R&D capabilities and manufacturing scale. About 110,000 people with 149 nationalities work at Novartis worldwide.

Novartis Netherlands employs around 250 people. Our strategy is to deliver high-value medicines that alleviate society's greatest disease burdens through technology leadership in R&D and novel access approaches. We dedicate ourselves every day with enthusiasm and passion to our mission: to reimagine medicine to improve and extend people's lives.



# **Novartis Netherlands**

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Weite Oldenziel CEO +31 6 4131 0508 oldenziel@ofichem.com

# **Ofichem Group**

The Ofichem group has a pivotal role in the production of safe and effective human and veterinary medicines. The Ofichem group is a fully integrated global pharmaceutical company, with a multitude of individual, yet synergetic activities in the field of active pharmaceutical ingredients (APIs; i.e. drug substance) and of finished dosage forms (i.e. drug product). The synergy between the different business units makes the Ofichem Group a knowledgeable and reliable partner.

The activities in drug substance:

- · CRO and C(D)MO activities of new chemical entities and revival of generic APIs
- · Commercial production of own portfolio of APIs, including isolation of plant based substances
- · Repackaging and distribution of APIs of third-party producers
- · Additional services as analytical work for third parties and third-party supplier qualification (audits in South East Asia)

The activities regarding drug products are:

- · CMO activity for clinical trial material
- · CMO activity and own portfolio of MAH in generic drug products.

The Ofichem group is a family owned business, established in the mid-70s. We maintain a global network, and it is our ambition to serve as a strategic partner for clients, with a professional demeanor and competitive pricing as our key selling points.



### Ofichem Group Heembadweg 5

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Organon Oss Kloosterstraat 6 5349 AB Oss The Netherlands

### Organon Amsterdam Fred Roeskestraat 115

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# Organon

Organon is a global healthcare company formed through a spinoff from Merck & Co., Inc. (known as MSD outside of the U.S. and Canada) with a mission to deliver impactful medicines and solutions for a healthier every day. We build upon our strong foundation of more than 60 medicines and other products across a range of areas including reproductive health, heart disease, dermatology, allergies, and asthma.

We bring these important therapies around the world, with an international footprint that serves people in more than 140 markets. We believe the diversity of our business provides a sustainable engine of growth so we can continue to invest in and advance new medicines and treatments for women that are so urgently needed.

We are here for her health.

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Organex is a pioneering Dutch biotechnology company, headquartered in Utrecht, that was founded in 2023 as a spin-off of Utrecht University.

Organex focuses on the development, production and commercialization of a spinning bioreactor for organoid culture, the RPMotion. The RPMotion is based on breakthrough research from the internationally highly rated Faculty of Veterinary Medicine at Utrecht University. We are committed to creating groundbreaking hardware solutions in the field of organoid technology by reducing the effort of the current culturing methods in a sustainable way and continue to work on innovative solutions in this area together with our strategic partners.

Organoids are best described as mini-organs, 3D structures of cells made up of different cell types that are organised in the same way as a real organ. An organoid has the same basic properties as an organ and in principle, it is possible to make an organoid from all organs and species. That is why the potential of this technology is so enormous. Organoids have been established from intestine, liver, heart, lung, brain, eyes, skin, uterus, placenta and even more. Organoids from a specific patient have the same properties as the patient's organ, including any diseases and abnormalities. This makes it possible to target research very specifically and create an important role for organoids in drug discovery. In addition to specific drug development, organoids open doors to personalised medicine, where we can test the effectiveness before a drug is prescribed to a patient, so the right drug choice can be made, or the correct dosage can be determined.



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## PD-value

PD-value is a translational pharmacometrics service provider founded in 2014 by Jeroen Elassaiss-Schaap, a recognized senior scientist with more than 20 years of experience in the pharmaceutical industry. Since 2016, PD-value has a sister company, Gedmore, specializing in the automation of pharmacometric modeling for discovery. Next to PK-PD, PD-value includes mathematical modeling and systems biology simulation services in its portfolio. PD-value acquired SysBioSim, a dedicated systems biology company, as of January 2021 and integrated the expertise in systems biology and network modeling.

The integrated services include:

- PK-PD services
- · experiment & study design support
- · early clinical strategy consultancy services
- · performing predictive analysis with signaling and metabolic pathways models
- development of specifically designed models to answer research questions based on existing literature and proprietary client data
- · analysis on the efficacy, efficiency, dosage, and adverse events of drug candidates

The services and expertise of PD-value enhanced with systems biology services present value to the clients by improving design of R&D programs, animal and clinical studies, and accelerate decision making. PD-value is located in the Utrecht Science Park and has a growing team of scientists with diverse backgrounds.



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## **Philikos**

Philikos develops innovative therapeutics for systemic sclerosis (SSc), a rare debilitating and life-threatening autoimmune disease characterized by inflammation and fibrosis. Currently, there are no disease modifying agents available.

Philikos' unique approach, T-Guard, is a combination of two toxin-conjugated antibodies that rebalance the immune system by transient depletion of activated autoreactive T cells and NK cells.

Philikos is based on the technology and solid Phase 3 data package of Xenikos - that developed T-Guard for acute graft-versus-host disease. For SSc, Philikos demonstrated in vitro proof-of-concept and is ready to initiate a Phase 1/2b trial. Currently the company is looking for Seed-financing for completing the clinical proof-of-concept.

Philikos was founded in 2023 in Nijmegen and has an experienced management team complemented by topnotch advisors and partners. Strategic partners include the Radboudumc SSc expertise center and Dutch Arthritis Society.

## **Philikos**

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# pivotpark pivotpark



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# Pivot Park / PPSC

### **Pivot Park**

We have a clear mission: if we invest in building a worldclass biopharmaceutical R&D infrastructure it will create the perfect conditions for new, young and established companies to grow. This will support the development of a dynamic, pharma-based knowledge community. Together we will improve global health.

Pivot Park is located in entrepreneurial Oss, the spiritual home of the Dutch pharmaceutical industry. An ideal place to attract talent, spark new ideas and support growth; whilst simultaneously offering an unmatched work-life balance. Supporting 1,000 highly qualified people at over 60 companies, we make sure they have what they need to succeed.

# Pivot Park Screening Centre (PPSC) Your optimal partner in early drug discovery.

We provide drug discovery services in the fields of biochemical and cellular assay development, lab automation, ultra- High-Throughput Screening (uHTS, usually in 1536-well format) and hit-to-lead biological profiling, in order to find novel leads for drug development.

All major read-out modalities including Mass Spectrometry are available in-house ensuring rapid generation of high-quality hits.

You can either bring your own compound library or use our 300K IP-free druglike compound library. Our fully automated robot system can handle over 1 mln. compounds per screen.

# POONAWALLA SCIENCE PARK BV

# **UTRECHT** SCIENCE BIITHOVEN



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Poonawalla Science Park Antonie van Leeuwenhoeklaan 9-13 3721 MA Bilthoven The Netherlands poonawallasciencepark.nl

# Poonawalla Science Park

Poonawalla Science Park is owner of USPB (Utrecht Science Park Bilthoven), a scientific campus of 22.5 hectares in Utrecht.

PSP is renting out the +/- 60 buildings on the terrain and is also providing an extensive package of facility services to the tenants

In the coming future (2 years), the present main tenant RIVM (Dutch Ministry of Health) will move to a new building/location at USPU across the road and hence freeing 65,000 sqm of office and lab space at USPB.

PSP is now preparing a development vision for the campus for renovating and creating new office/lab space on the campus after the leave of RIVM. The intended future new tenants should be active in the biotech or pharma sector preferably in the field of vaccine development and/or manufacturing.





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**Ashley Shih Business Developer** +31644755303 a.shih@protinhi.com





# **Protinhi Therapeutics** Transistorweg 5 6534 AT Nijmegen The Netherlands

www.protinhi.com

# **Protinhi Therapeutics**

Protinhi Therapeutics is a Dutch preclinical-stage biopharmaceutical company aiming to create a world where effective treatments are available against (re) emerging viral infections. We focus on antiviral drugs against dengue/broad-spectrum flaviviruses and have additional programs on broad-spectrum coronaviruses.

Our proprietary technology platform employs peptidomimetic compounds to inhibit proteases essential to virus replication. Protinhi has demonstrated the high efficacy of our preclinical candidates in reducing viremia in vivo proof of concept studies against dengue (therapeutic and prophylactic). The unique PKPD-properties of our drug candidate further enables us to develop a novel, easy-toadminister and long-acting antiviral drug which allows single-dose regimen per therapeutic/prophylactic treatment.

Advancing the development of our drug candidates to novel drugs will help us fulfil our mission to help patients overcoming viral infectious diseases and enjoy a high quality of life. We aim to prepare global society to prevent future epidemics/pandemics and the subsequent huge burdens, thus contributing to pandemic preparedness.

# Radboudumc



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# Radboud university medical center Geert Grooteplein 10 6525 GA Nijmegen The Netherlands www.radboudumc.nl

# Radboud university medical center

Radboud university medical center is a university medical center for patient care, research, and education, located in Nijmegen.

Radboud university medical center strives to be at the forefront of shaping the health and healthcare of the future. This is reflected in our mission: "to have a significant impact on health (care)".

It demands that we innovate and reinvigorate through collaboration within our networks and with a focus on the individual person.

We mainly concentrate on prevention, meaningful and prudent healthcare, sustainability, artificial intelligence and data-driven systems, the molecular mechanisms of diseases and new treatments, and training the professionals of tomorrow.



rijksmuseum boerhaave



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Rijksmuseum Boerhaave Langs St. Agnietenstraat 10 2312 WC Leiden The Netherlands www.rijksmuseumboerhaave.nl

# Rijksmuseum Boerhaave

At National Museum Boerhaave you get to discover more about the most important inventions from the history of science in the Netherlands. The collections reflect five centuries of the history of science. It is also evident in our top collection, such as the microscopes of Antoni van Leeuwenhoek, the first pendulum clock by Christiaan Huygens, the oldest heliocentric planetarium in the world, anatomical preparations and objects relating to Dutch Nobel Prize laureates.

The museum offers young and old a peek into the fascinating world of science. The world-famous collection and the newly designed interior show what science is all about: curiosity, courage, creativity and perseverance.

In a world of rapidly accelerating scientific and technological change, we regard it as our task to involve people in this process and show them where these developments are coming from. We believe it will lead to a greater understanding of science and the remarkable achievements of research and innovation.

We are taking the initiative to develop the prime hotspot for biotechnology in the Netherlands. The Life Science & Health Studio is designed to become a space where visitors can become fascinated by biotechnology and get to understand the world of life sciences and innovative medicine.





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# Roche Nederland Beneluxlaan 2a 3446 GR Woerden The Netherlands www.roche.nl

# **Roche Nederland**

Throughout our 125-year history, Roche has grown into one of the world's largest biotech companies, as well as a leading provider of in-vitro diagnostics and a global supplier of transformative innovative solutions across major disease areas. Our commitment to our people, partners, stakeholders and, most importantly, our patients remain as strong as it was on the first day of our journey.

We focus on finding new medicines and diagnostics and establishing data-based insights that evolve the practice of medicine and help patients live longer, better lives.

Healthcare is undergoing tremendous changes but our vision is clear. We are doing now what patients need next. Being a family-owned company allows us to focus on long-lasting investments, take greater risks and explore innovative new ways to improve people's health around the world.

We've partnered with many forward-thinking, entrepreneurial and groundbreaking organizations that have one thing in common - the belief that cutting-edge science and technology can and will improve human health. We work on personalized health from both perspectives: diagnostics and medicine. To achieve our goal: "the right treatment for the right patient at the right time".





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# Rotterdam Square

Rotterdam Square is the organization that connects the Life Sciences & Health ecosystem in the Rotterdam region. Located in the vibrant heart of Rotterdam, and part of the new Erasmus Medical Center Campus, Rotterdam Square is a central location for creating partnerships and collaboration with Erasmus MC, Erasmus University and the Delft University of Technology.

# Connecting international Life Sciences & Health collaboration

Our goal is to bring together experts in healthcare, science and technology, from academia and industry, to accelerate innovations in Health and Tech and create healthcare solutions for the future

We connect researchers and companies on a regional, national and international level, organize networking events and support companies in creating promising partnerships, drawing upon our extensive knowledge of the Life Sciences & Health sector.

Working in collaboration with partners such as the Municipality of Rotterdam, Invest in Holland and Health~Holland, Rotterdam Square helps your company to successfully integrate in and connect to the Rotterdam ecosystem and be part of the Dutch connected Life Sciences & Health metropolis, to establish new healthcare innovations that benefit our patients.

# sanofi



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## Sanofi

We are an innovative global healthcare company, driven by one purpose: we chase the miracles of science to improve people's lives. Our team, across some 100 countries, is dedicated to transforming the practice of medicine, turning the impossible into the possible. We provide potentially life-changing treatment options and life-saving vaccine protection to millions of people globally, while putting sustainability and social responsibility at the center of our ambitions.

In the Netherlands, we host about 650 colleagues in our Amsterdam offices, in different roles: serving Dutch patients and healthcare professionals, being involved in global functions or actively develop the treatments of the future via our Research & Development activities.





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# shanx medtech



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# ShanX Medtech

The lack of rapid, in-house testing of antibiotic efficiency urges physicians to overprescribe drugs for the treatment of bacterial infections empirically thereby compromising drug efficacy and overall patient outcome.

We have developed a novel sample-in, result-out hardware system that quickly informs physicians of the optimal antibiotic therapy tailored to each patient's needs and at the point of care.

Though antibiotics are our first tested drugs, the platform system can be used for other anti-infectives and in general for other (old and/or newly developed) medicines.

Our innovation is a must to enable fast, evidencebased and personalized drug administration, which is crucial to avoid medication overprescription.

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# **SRC-Search**

SRC-Search was established in 2012 to offer an unrivalled recruitment experience within the life science, diagnostic, analytical and medical industries across the globe. Our clients range from start-ups to small-medium enterprises up to global market-leaders looking to fill positions ranging from entry-level to the board-room.

Recruiting the best talent requires the perfect mix of market knowledge and experience within the search and selection process. Our experienced multi-lingual consultants have a deep understanding of your market segment and have built exceptional reputations within them. We have a strong track record of success, recruiting for commercial & R&D positions and are always on the lookout to partner with innovative companies offering disruptive technologies into the scientific industry.

Besides quality, knowledge and results, the characteristics that really sets us aside from the competition is the way we deliver our service – day in day out. Genuine love and passion for what we do, the wish to help people and the drive to succeed.

Please get in touch if you are searching for a strong recruitment partner.





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### TASK Research International

TASK Research International (TASK) is a multinational, multi-site clinical research institute committed to improving global health through testing and progressing novelty medicines, vaccines and diagnostics in various medical and therapeutic areas. TASK is capable of providing world class clinical trial services with cost-efficient, timeous and accurate outcomes for Sponsors. This is achieved through the dedicated Phase I unit in Utrecht in collaboration with UMC Utrecht, as well as 6 Clinical sites in South Africa offering Phase I – IV trial services from protocol development through to statistical analysis.

The first clinical trial conducted by TASK was in 2005, and to date the company has completed more than 100 projects for top international academic, government and private institutions and Sponsors. TASK is a partner in the biggest Tuberculosis (TB) consortium in history, that has the ambitious goal of creating a new TB regiment. The grant from the Public and Private Sector is worth €180m.

https://www.unite4tb.org/

In addition, the company has a Research Academy focussed on educating and training the next generation of clinical researchers through curriculum development of various clinical trial related training courses.

# THINK INNOVATION THINC. HEALTHCARE



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# THINC. Healthcare

The number of medical innovations introduced to the market is overwhelming. How do we ensure these innovations reach the patient, are effective in improving healthcare outcomes and fit with complex care processes?

The Healthcare Innovation Center (THINC.), part of UMC Utrecht, offers short-cycle science as a service to entrepreneurs and healthcare innovation companies. With a multidisciplinary team, we evaluate your innovation regarding cost-effectiveness, usability, and feasibility. We also provide expert methodological advice. This is all based on contract research. We have access to patients, healthcare professionals, - costs, - data and test environments. Our products result in effective patient-tailored innovations, well-informed professionals and highly-convinced investors. Companies that are considering coming to Europe or the Netherlands, our services also offer insight for successful market entry.

### Clients we serve:

Philips, Regenexx, Phoenix Diagnostics, Jinshan, Oncode Institute, Untire (TiredofCander), UMC Utrecht, OLVG, Haermonics, Minddistrict, Diabetesfonds, GGZ Centraal, Prolira, Digidok, PCAVision.





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### TNL

TNL carries out highly sophisticated research and development projects. We offer systems engineering, programmable logic, and application development services, as well as embedded and non-embedded electronics design and development. We are specialized in high-speed data acquisition and control systems.

We develop technology for semiconductor manufacturing and defense and security for companies, research institutes and government agencies such as the U.S. Department of Defense. Current projects include electron-beam lithography for customized microelectronics and near-field metrology.

In a consortium with - amongst others - Delft University of Technology and Delmic we are developing an innovative electron microscope, the FAST-EM. It scans with 64 simultaneous electron beams, making the device up to a hundred times faster than a regular single beam scanning electron microscope.

We are a knowledge leader in the field of FPGAs (programmable chips) and programmable logic. Using FPGAs allows you to release your creativity, while the results of new ideas can be easily tested in practice. We use a unique approach that involves repeatable, largely automated development and testing steps.

TNL - Technology for High-Tech and Big Science





### **Head office Technolution**

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### TNO

TNO; Netherlands Organization for Applied Scientific Research, is an independent Dutch research organization based in Netherlands focused on research in applied science. Targeted innovation is what we stand for. We develop knowledge not for its own sake, but for practical application in day to day life and for future innovations which can improve the quality of living.

TNO Healthy Living & Work is dedicated to accelerate and de-risk up drug development and improve patients' lives. For this, we collaborate with partners from industry, academia, regulators, OEMs and other stakeholders. Projects can be initiated on the basis of fee for service (contract research), public-private partnerships, consulting services and EU projects.

In Life Science and Health, TNO is active in preclinical and early clinical research and digital health with translational models, technologies and scientific research that help drug and food developers investigate the efficacy and safety of their products more effectively.

TNO continuously develops and improves its knowledge position, tools and research portfolio, giving us many new insights into e.g. disease mechanisms, new targets and biomarkers, organ crosstalk, ADME, DMPK, etc.



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# **University Medical Center Groningen**

The University Medical Center Groningen (UMCG) was founded in 1797 and is one of Europe's largest academic hospitals. It is part of the University of Groningen (ARWU #66 / THE #75). Our 13.000 dedicated professionals deliver excellence in patient care, research, education and training, and innovation. Together, we push boundaries for a sustainable future of health.

UMCG is well-known for its cohort studies, of which a catalogue can be found on our website. The largest biobank and cohort study is Lifelines, an ongoing, three generation, population-based study including over 165.000 participants. At the European Research Institute for the Biology of Ageing (ERIBA) 11 worldclass research groups focus on mechanisms that result in loss of cells with age and decline in function of old cells and tissues. With the foundation of the Aletta Jacobs School of Public Health (aletta.rug.nl), UMCG serves the whole spectrum from fundamental to applied and implementation.

UMCG is located on Campus Groningen (www.campusgroningen.nl), one of the biggest and fastest growing campuses of the Netherlands. The Campus maintains an inspiring ecosystem where high quality researchers and entrepreneurs work together with policymakers on innovative medtech, devices, nutrition and health, and molecules & materials, and analysis of new pharmaceuticals.





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# UMC Utrecht, U-TRIAL & THINC Healthcare

U-TRIAL, the Utrecht TRial Innovation ALiance, and THINC Healthcare are both organization within the UMC Utrecht.

The UMC Utrecht is a leading international university medical center generating, testing, sharing, and applying knowledge on health, illness, and health care for the benefit of patients and society.

Since everyone deserves the best possible healthcare, UMC Utrecht always sets the bar high. The result: innovative, cutting-edge medical treatment that meets the healthcare needs of today and the future. We develop our unique knowledge in this respect together with patients, patient organizations, and several partners.

The U-TRIAL department fosters the Clinical TRIAL Eco-system within the UMCU, acting as liaison for PI's towards 3rd parties, and visa versa to accelerate the Number, Quality and Impact of clinical trials executed by the UMC Utrecht. We collaborate strongly with CRO's and Healthcare companies to become established and valued research partners.

THINC, The Healthcare Innovation Center, offers short-cycle science as a service to entrepreneurs and healthcare innovation companies. With a multidisciplinary team, we evaluate your innovation regarding cost-effectiveness, usability, and feasibility.

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Dan Jing Wu CEO & Co-founder +31 6 2056 4830 dj.wu@vivart-x.com

# VivArt-X

VivArt-X is focussing on women's health. Our lead indication will revolutionize breast reconstructive surgery in women who have undergone breast tissue removal after breast cancer diagnosis.

1 in 7 women will develop breast cancer during her life. The impact of physical and emotional pain of postoperative breast cancer patients is correlated to the reconstruction strategy and recovery time. Therefore, there is an unmet need for an effective breast reconstructive method with patient's own tissue so that surgeons can restore, reconstruct and regenerate breast tissue predictably with long term potential that contributes to an improved quality of breast cancer patient's life.

VivArt-X offers a revolutionary synthetic biomaterial to achieve excellent cell engraftment, which results in personalized breast reconstruction and ultimately regeneration.



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### **VNO-NCW**

The Confederation of Dutch Industry and Employers, known as VNO-NCW, is the largest employers' organisation in The Netherlands. It has 150 branch organisations and more than 400 individual enterprises as affiliate members, representing a total of over 120,000 companies.

It covers practically all sectors of the Dutch economy: industry, commercial services, construction, the retail trade and the health sector; from the smallest firms to the largest corporates. It represents 80% of companies with more than ten employees and 95% of companies with over 100 employees and all companies in the Netherlands employing more than 500 staff.

In cooperation with governments and other social parties, VNO-NCW strives for an inclusive and sustainable Netherlands, where everyone benefits from increasing prosperity. This requires sustainable economic growth and a high quality business and investment environment.

VNO-NCW represents the interests of its members by active ongoing contacts with the government, politicians, public authorities, trade unions and non-governmental bodies. VNO-NCW sits on numerous government advisory and consultative committees in The Netherlands, in Brussels and in international bodies as the International Labour Organisation and, through the BIAC, in the OECD.



### **VNO-NCW**

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## Publication

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