



LEIDEN
BIO SCIENCE
PARK

Welcome to Leiden Bio Science Park

On behalf of



Leids Universitair
Medisch Centrum



Leiden



Oegstgeest



ONDERNEMERS
VERENIGING
BIO SCIENCE PARK



Universiteit
Leiden

Johnson & Johnson



In loving memory

Wendy van Kesteren

Who battled Myotonic Dystrophy



Leading In Rare Diseases

Top companies and institutes making important strides in developing crucial treatments for rare diseases.



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Galápagos
Pioneering for patients



Pharming®



VICO
Therapeutics

A
Amylon


charles river

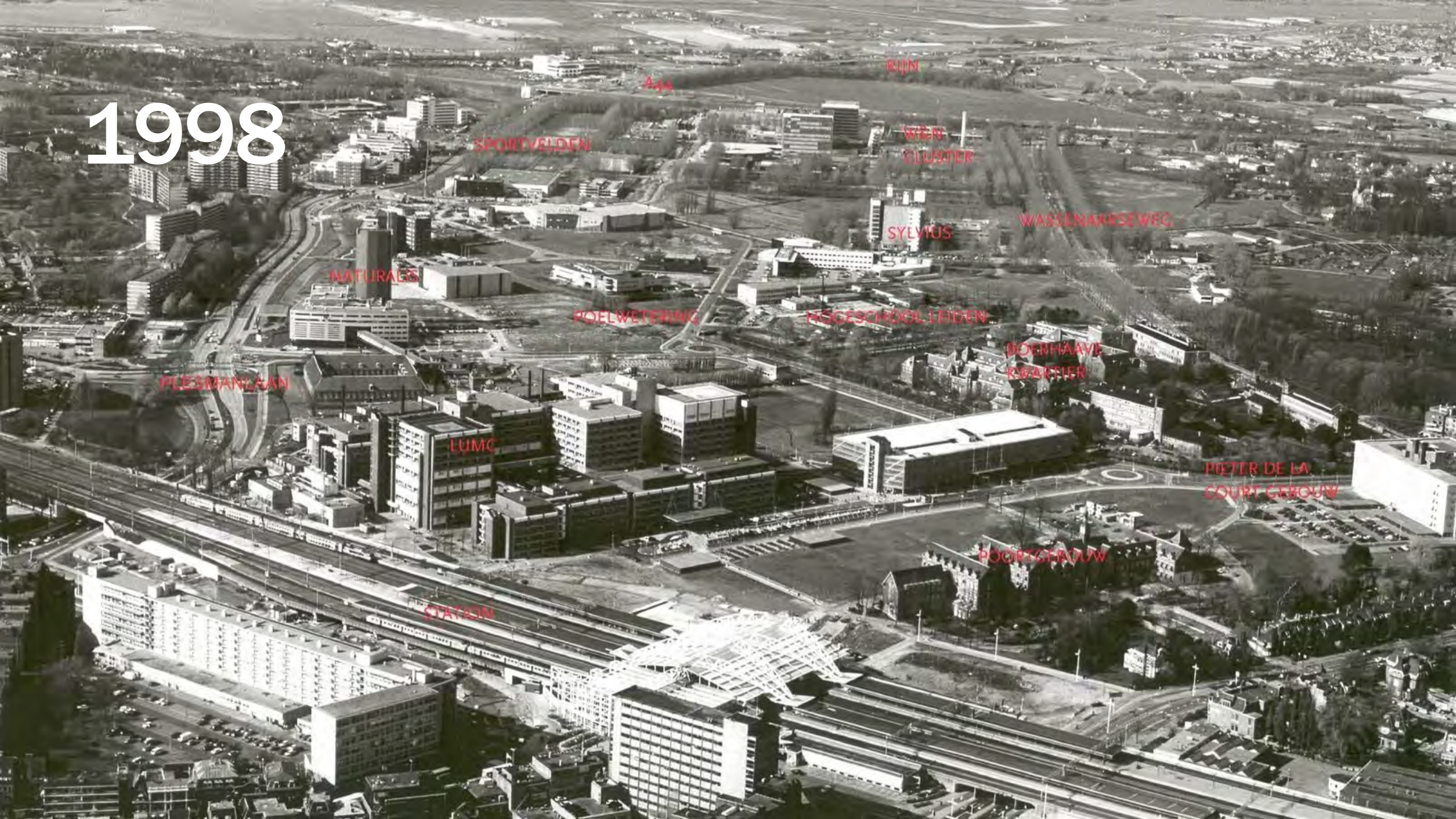
1980



1982



1998

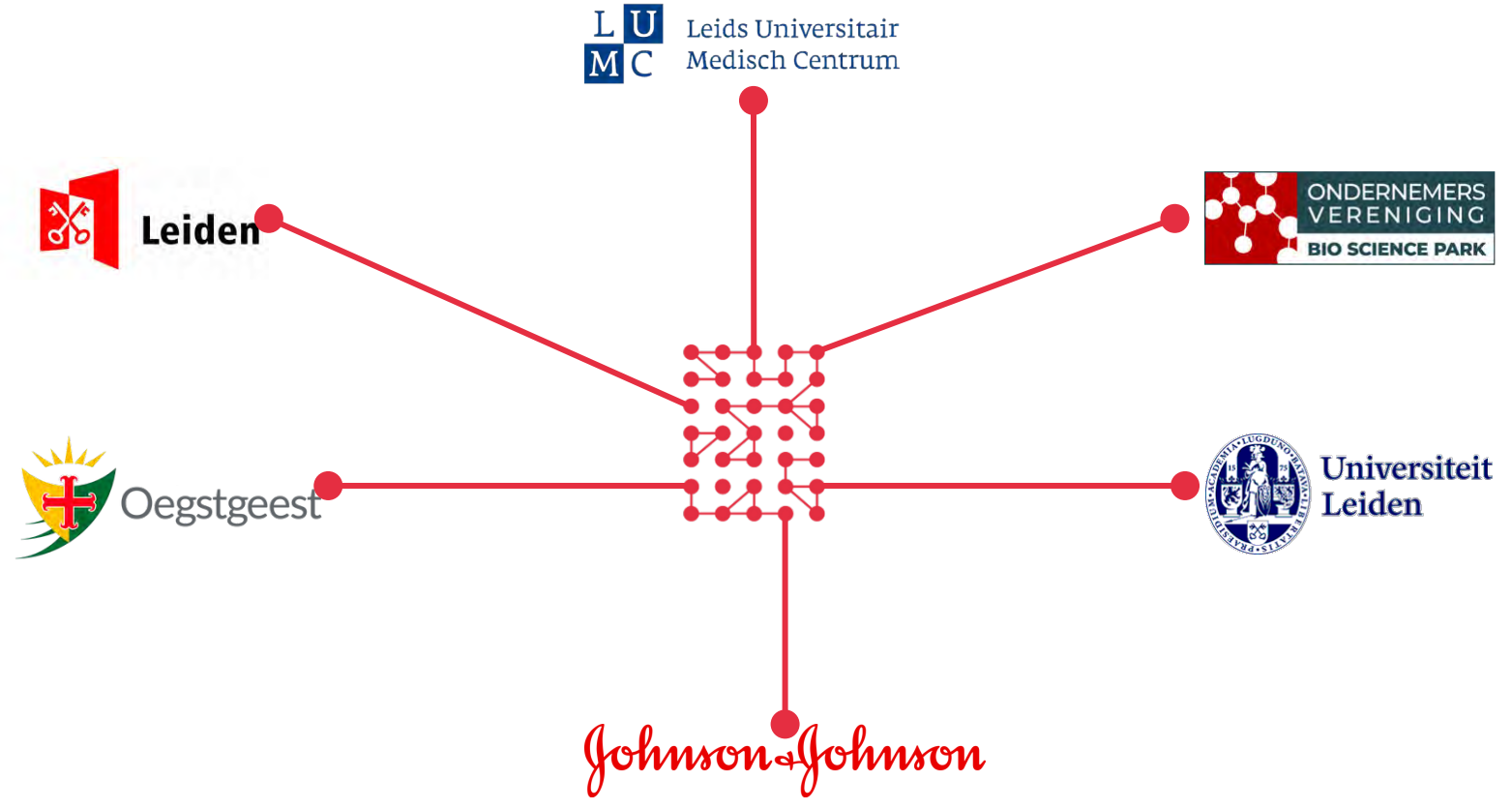


2014



2020





Contribution to City of Leiden

2014 –2022 Cost–Benefit Analysis

9 year period

Total Costs Municipality**

34,8 millionEuro

Direct & indirect Jobs in 2022: 25.100***

Index of Employment 2010-2022, 2010= 100

Total Benefits Municipality

91,7 millionEuro



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** Total Costs:

Personel 26%

Grants 17%

Spatial Development 24%

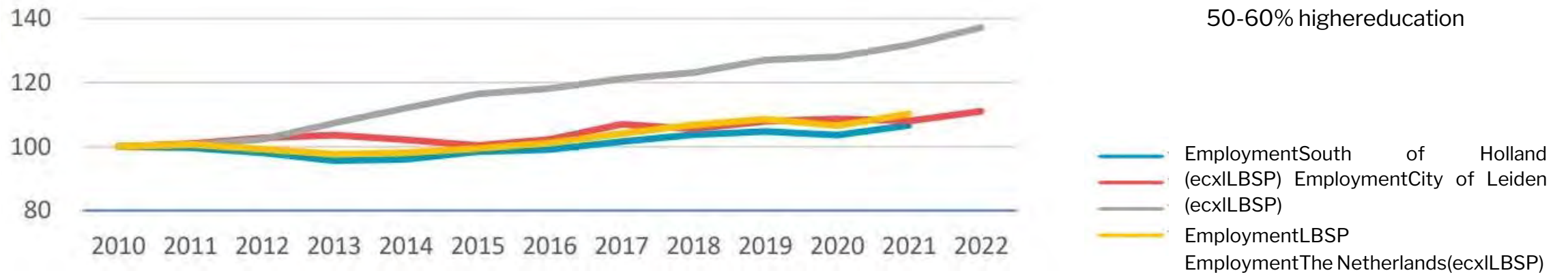
Maintenance 29%

Acquisition 3%

*** Job distribution:

40-50% vocational education

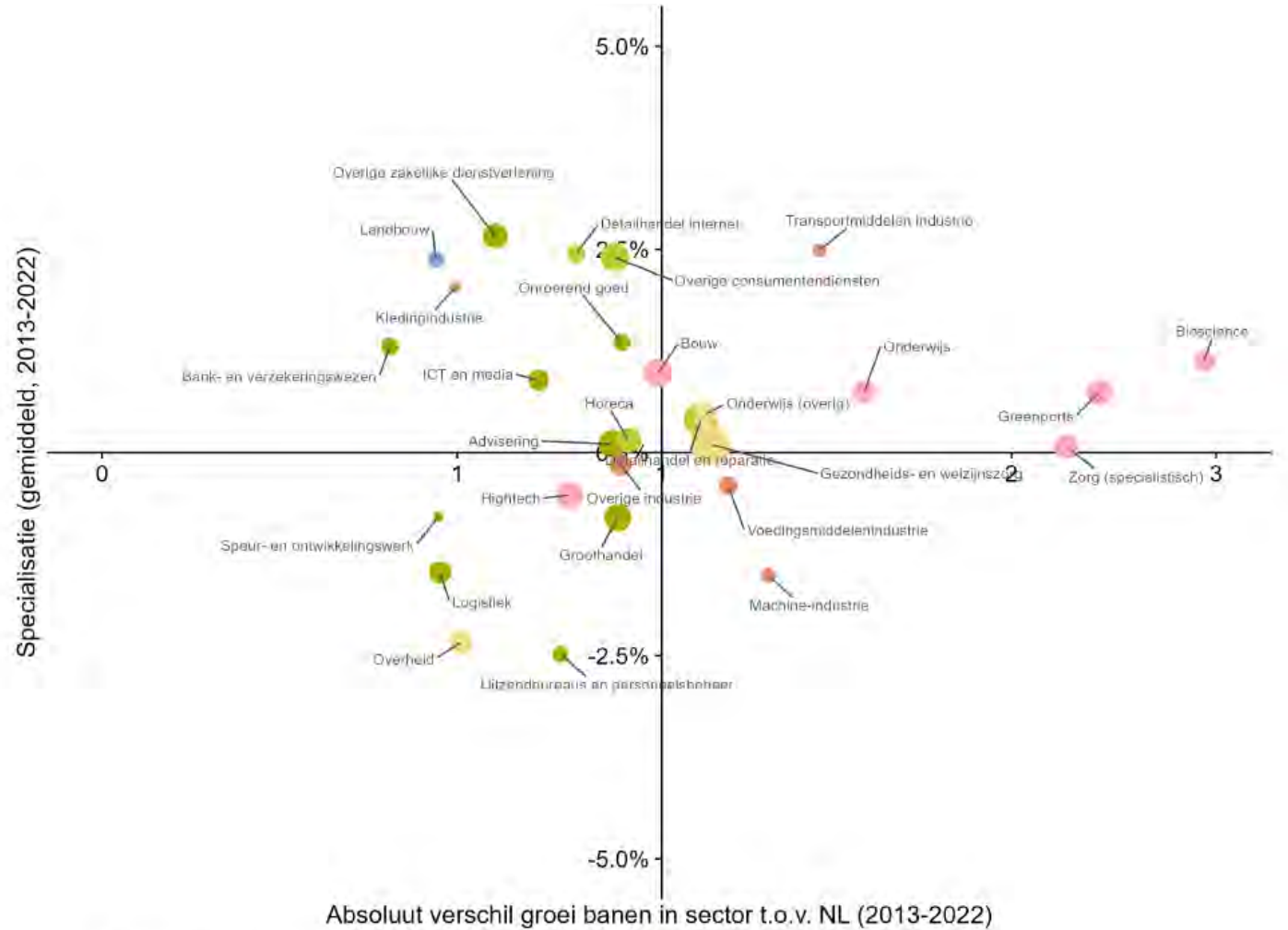
50-60% higher education



Source: Decisio, based on CBS data & Company register South-Holland

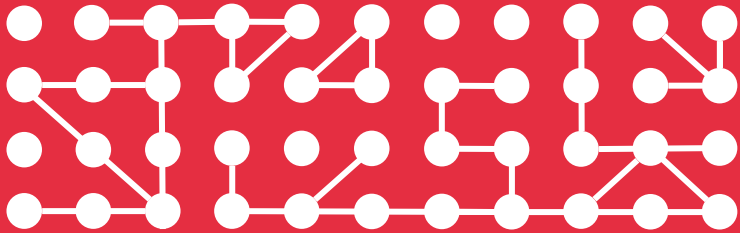


Absolute difference growth of jobs in the sector compared to the Netherlands

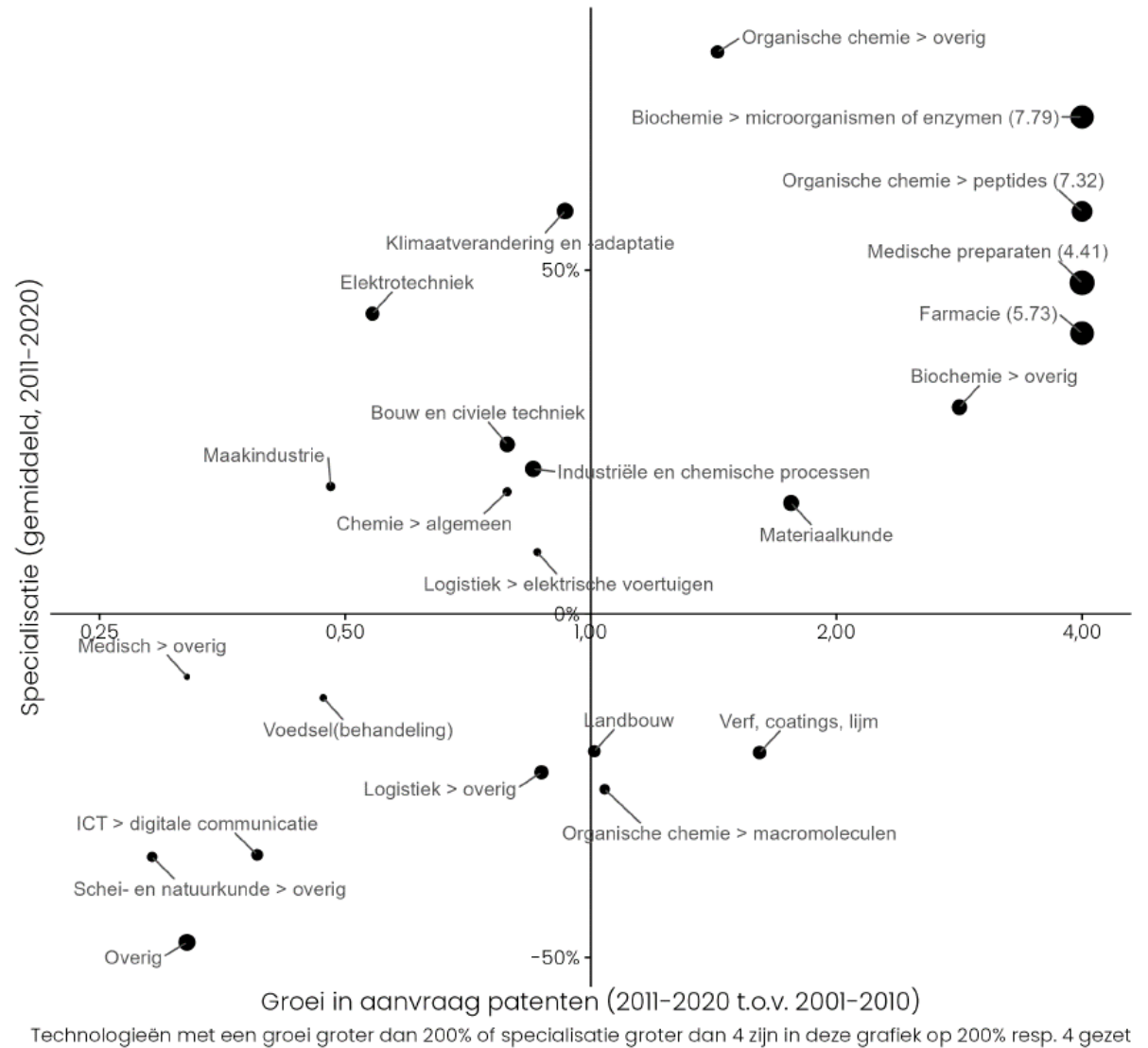
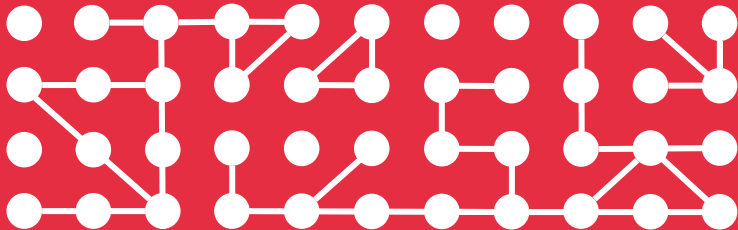


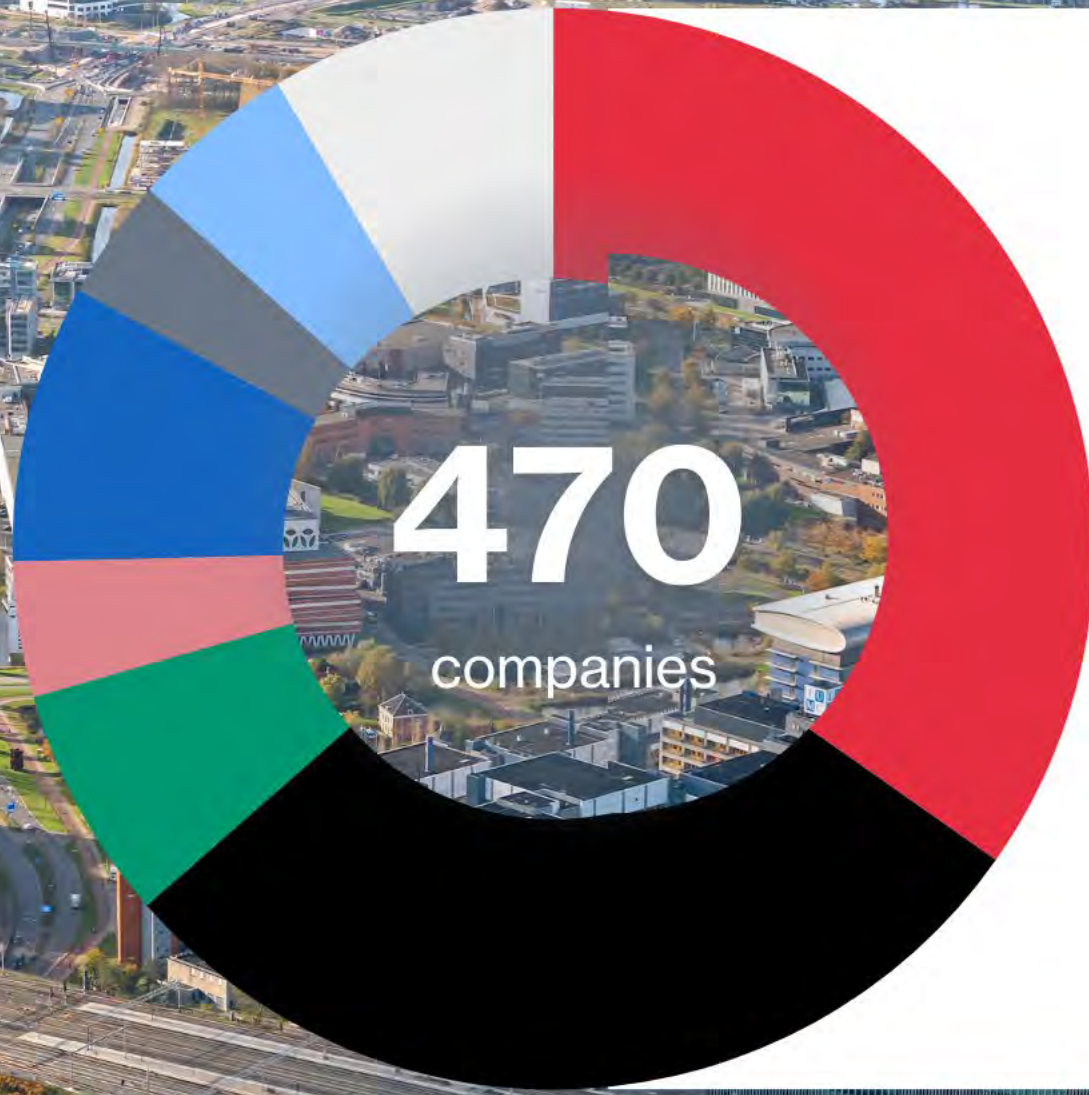
- Beeldbepalende sectoren
- Landbouw
- Overheidsdiensten
- Consumentendiensten
- Nijverheid en industrie
- Zakelijke diensten

Berekeningen Atlas Research o.b.v. gegevens LISA
Sectoren <100 banen: 'Elektro-industrie', 'Ontwikkelen/uitgeven software'



Growth in patent applications





-  **163** **LSH Companies**
-  **138** **LSH Related Companies**
-  **33** **Research/Educational Institutes**
-  **18** **Innovation Ecosystem Partners**
-  **39** **Healthcare Institutes**
-  **18** **Supplier & Engineering**
-  **20** **Hospitality, Horeca & Leisure**
-  **40** **Other**

22,500 professionals | 21,000 students | #1 biotech patents in NL | Most biotech start ups in NL

What makes us unique as an ecosystem?



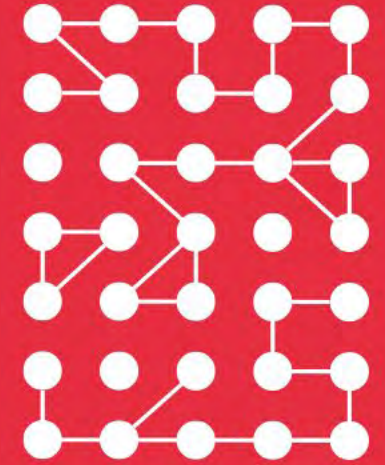
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**It all started
at the Hortus
Botanicus**

Since its inception in 1984 by founding father Schilperoord, the Leiden Bio Science Park evolved from a hub focused on plant-breeding research and industry to a dynamic epicenter for Life Sciences companies.

With a mission deeply rooted in improving health, the park symbolizes innovation and future vision.



A hub built on Talent & Knowledge

A hub of collaboration across educational and industry spectrum, driving high-quality research and development in health and well-being.



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Knowledge & talent



Universiteit
Leiden



Biotech Training Facility is a training facility center where pharmaceutical training is given in an actual, real-life production environment. The facility can also be used as a pilot plant for testing equipment and processes.



At Biotech Training Facility you learn about pharmaceutical production and quality using Good Manufacturing Practices (GMP). No boring dry texts but a real-life experience. Because learning by doing is the best way to go.



Research & culture



rijksmuseum
boerhaave

CORPUS

Together, these musea attract over 600.000 visitors every year, including future scientists

A powerhouse of employment and innovation in Life Sciences and Health (LSH), featuring a blend of major corporations and vibrant startups.



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From nurturing startups

To supporting the established



Innovation & Valorisation

Innovation
Quarter

investeren &
innoveren in
Zuid-Holland



LEH
LIBERTATIS ERGO HOLDING

biopartner

unLock_

Life Science
Incubator Leiden

LURIS



Universiteit
Leiden

PLNT

Leiden centre for
innovation and
entrepreneurship



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Businesses





Making a difference throughout the value chain

R&D

**Drug Discovery &
Development**

(Pre)-Clinical Research

**Registration, market
authorisation**

Manufacturing

Marketing & Sales

Cell & Gene Therapy

Startups like Biotactical and Amarna Therapeutics, along with big names like LUMC, NecstGen, BMS, and Galapagos, are advancing cell and gene therapy, transforming patient care with these novel treatments.



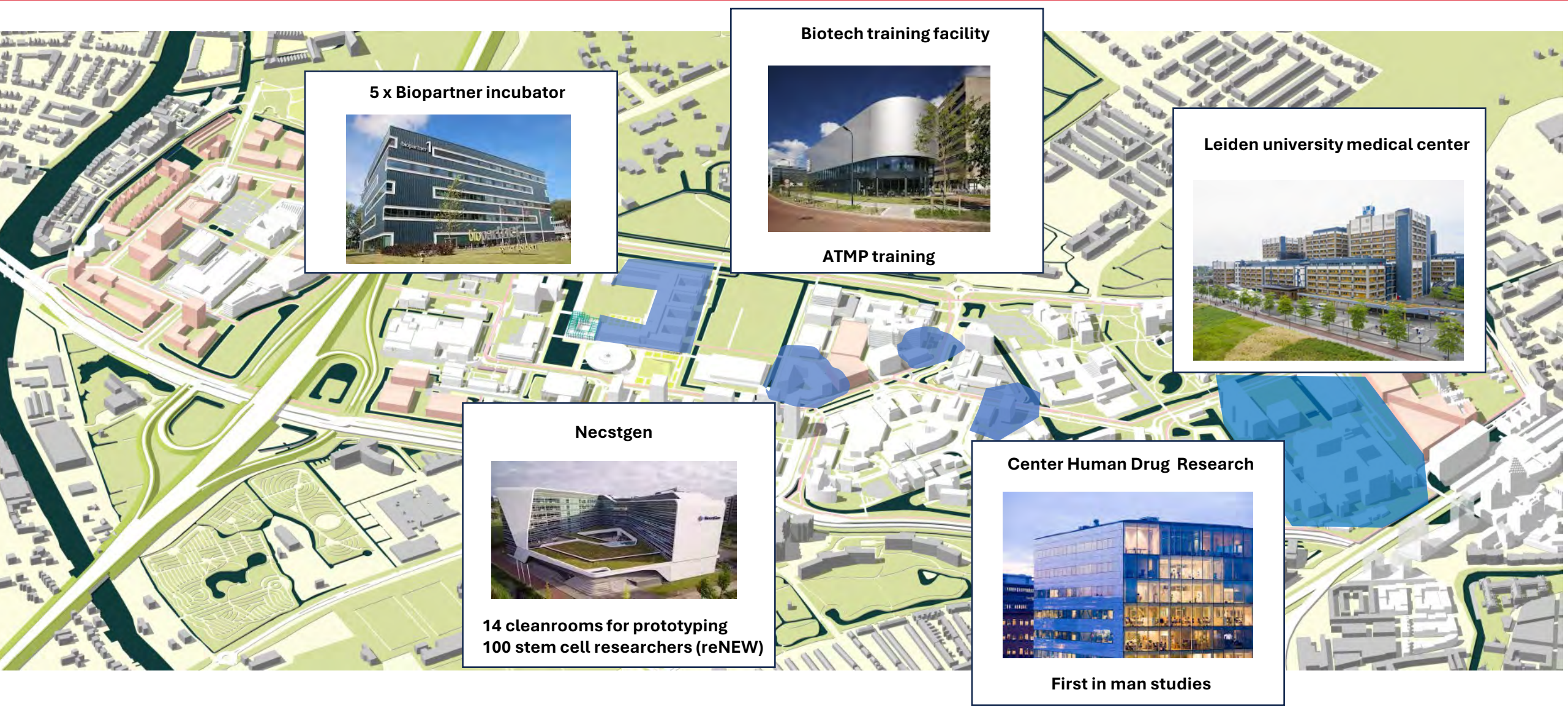
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A public-private continuum for cell and gene therapy.



5 x Biopartner incubator



Biotech training facility



ATMP training

Leiden university medical center



Necstgen



**14 cleanrooms for prototyping
100 stem cell researchers (reNEW)**

Center Human Drug Research



First in man studies

And an international hub for Cell & Gene therapy manufacturing.

Klte



WW manufacturing CAR-T

Janssen



WW manufacturing vaccines,
antibodies CAR-T

2 x CDMO manufacturing
organisations:

Halix
Batavia

Bristol Myers Squibb



EU manufacturing CAR-T

Galapagos



Vaccines & Infectious Disease

Companies like Janssen Vaccines and Batavia Biosciences are leading the way in vaccine innovation and crafting solutions to protect global health and pandemic preparedness.



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L Leyden
Labs

BATAVIA
biosciences

20Med **Therapeutics**

Johnson & Johnson

Diagnostics & Technical Innovation

Startups like VitroScan, Rapidemic offer new innovative diagnostics and Mimetas developed clinically relevant organ-on-a-chip models to disrupt treatment efficacy evaluation.



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VitroScan

PREDICTING TREATMENT OUTCOME

Rapidemic

MIMETAS
the organ-on-a-chip company

Prevention & Lifestyle

New companies like MyMicroZoo and dHealthIQ and initiative like the Leiden Healthy Society Center are changing prevention and lifestyle, aiming to enhance well-being through innovative health strategies



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**Leiden Healthy
Society Center**

A Clear Focus



At the Leiden Bio Science Park, the key pillars of expertise in life sciences are intricately intertwined with and powered by advancements in AI and Data Science.

This includes a forward-looking focus on quantum technologies, positioning the park to lead future innovations in life sciences.

Prevention / Lifestyle
Preventing Today,
Protecting Tomorrow

Technical Innovation
Smarter Drugs,
Quicker Diagnoses

Regional & national ecosystem



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provincie
Zuid-Holland

TU DELFT
CAMPUS



TU Delft

RotterdamSquare

Innovation
Quarter

investeren &
innoveren in
Zuid-Holland

planet b.io

mEdical
dElta

we add



LEIDEN BIO SCIENCE PARK



6 Warmtenet inclusief consequenties elektriciteit ✓

10 Groenblauw Raamwerk ✓

7 Energy Lane inclusief Barrepolder 150kV station ✓✓✓✓

9 Regio Deal bloeiende Sierteeltregio ✓

12 HUBs grondstoffen, materialen, goederen en personen ✓✓

13 Mobiliteit gebiedsontwikkeling Alphen-West inclusief Gnephoek ✓✓

1 Doorfietsroutes ✓

8 Haalbaarheidsonderzoek Regionale Ontwikkelingsmaatschappij ✓

11 Benutten en versterken landschappelijke kwaliteiten ✓

5 Studie regionale aansluiting MIRT Knooppunt Leiden Centraal HOV + Fiets en Oost-west HOV corridor Stedelijke As ESA ESTEC/NL Space Campus-Katwijk-Leiden-Alphen aan den Rijn ✓

2 Mobiliteitsaanpak Rijn- en Veenstreek Noord, inclusief Leimulderbrug ✓

3 Mobiliteitsaanpak Noordelijke Duin- en Bollenstreek en Haarlemmermeer ✓✓✓

4 Corridorstudie N206 Ruimte en Mobiliteit - A44 - Zuidelijke ontsluiting Duin- en Bollenstreek ✓✓✓

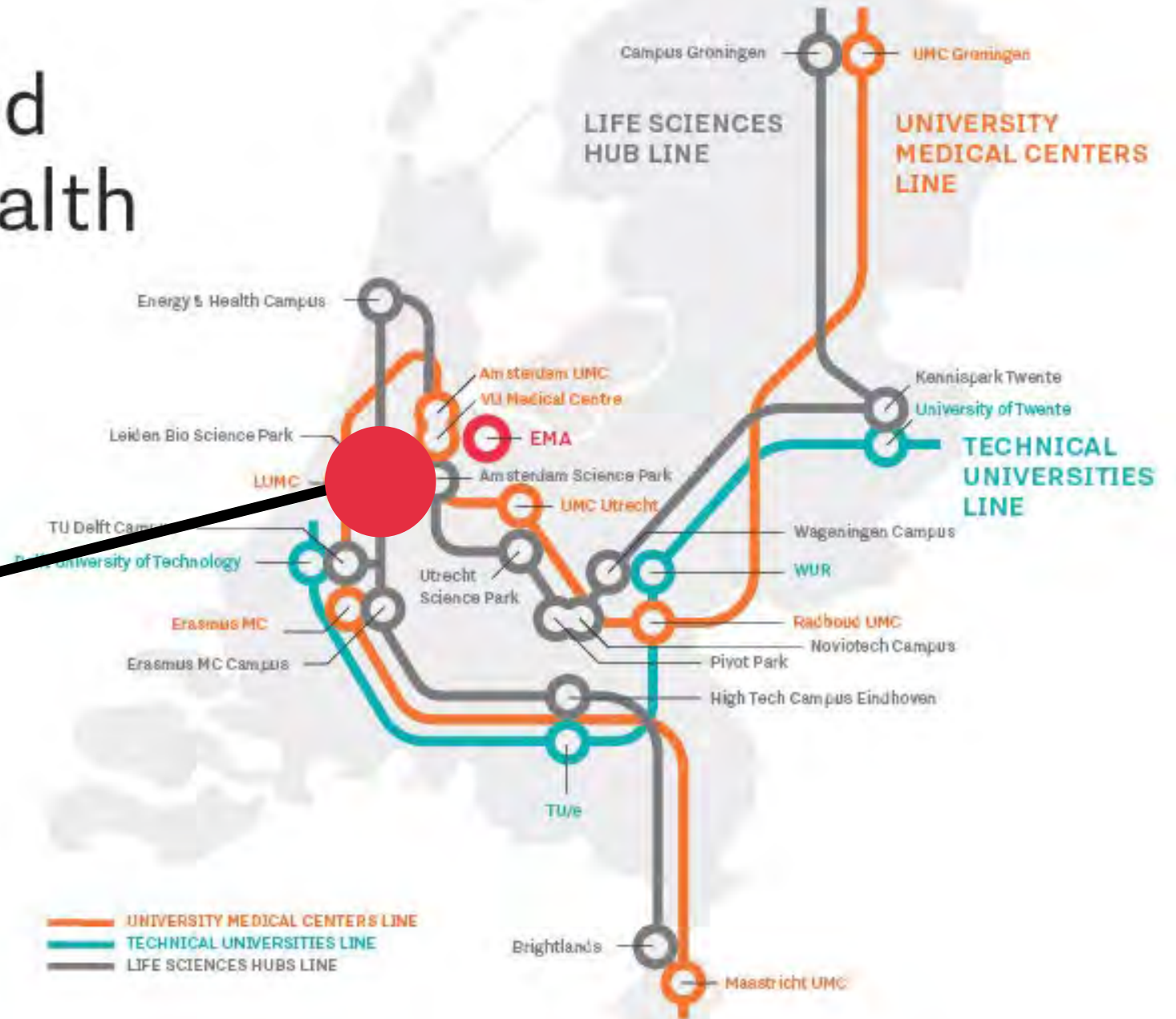
9 Regio Deal bloeiende Sierteeltregio ✓

14 Studie: versterken en verbinden kennis- en Innovatie-as ✓

THEMA'S

- ✓ Een bereikbare en verbonden regio
- ✓ Een duurzame en energiezekere regio
- ✓ Een economisch sterke en innovatieve regio
- ✓ Een groene en klimaatbestendige regio

Europe's connected Life Sciences & Health metropolis



Strongly linked in excellent (inter)national networks Large National R&I programs (NL Growth Fund)



Unlocking the full economic and societal potential of Dutch pharma



Regenerative medicine crossing borders



Data driven Health: connect, Share and Reuse



Developing an AI-ecosystem for AI innovations



Accelerating novel cancer treatments to pre-clinical phase through shared infrastructure



Translating biotech knowledge into innovations



Making high-tech equipment for a myriad of applications, including medtech

The Netherlands Center for the Clinical Advancement of Stem Cell and Gene Therapy(NecstGen).

At NecstGen, we offer process development solutions, contract preclinical/ GMP manufacturing and cleanroom rental for Cell and Gene Therapies to clinicians, academic, small, medium, and large commercial organisations worldwide. We have a focused expert team and bespoke facility to offer you the support and capacity needed to deliver your therapy to patients.

We enable the next generation of therapies by translating research programs into health solutions for patients.



The Netherlands Centre for Electron Nanoscopy (NeCEN) is the open access research facility for high-end cryo-electron microscopy in The Netherlands.

It offers research institutes and companies, both Dutch and international, access to advanced cryo-electron microscopy and expertise. The cryo-electron microscopes at NeCEN are specifically designed to explore complex biological structures and are used by researchers from academia and industry.

Services:

- Sample preparation
- Equipment and lab
- Pre screening
- Data collection
- Techniques
- Results
- Data processing
- Training



The Netherlands has dozens of campuses and science parks spread throughout the country.

Leiden Bio Science Park is part of the Top 10 largest and most important Dutch science parks.

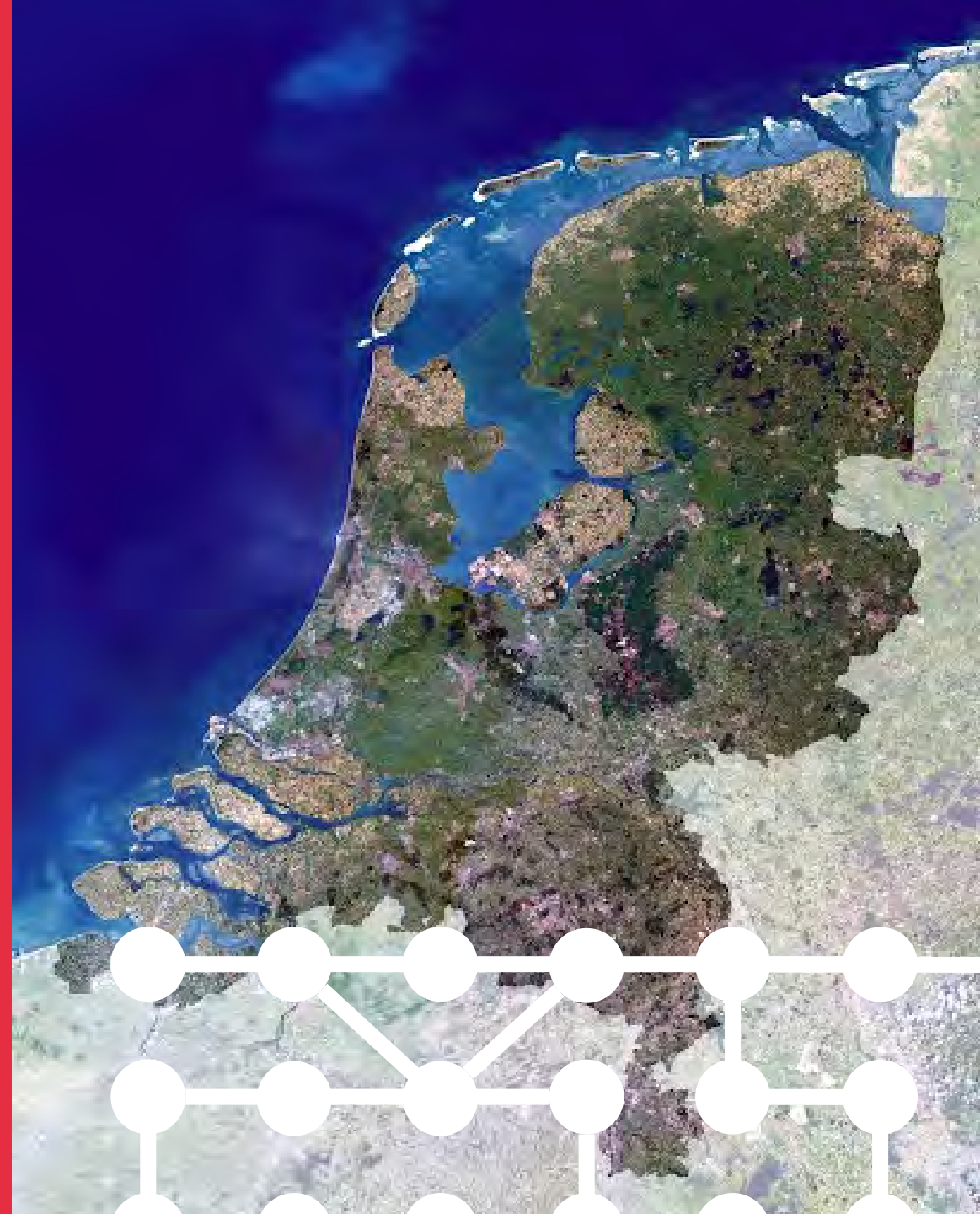


National technology strategy

1. Optics and integrated fotonica
2. Quantum
3. Green chemical production processes
- 4. Biotechnology focused on molecules and cells**
- 5. Imaging**
6. (Opto)mechatronica
- 7. (AI) en data**
8. Energymaterials
9. Semiconductors
10. Cybersecurity



Rijksoverheid



European Commission: Key Enabling Technologies

Europe prioritises research and Innovation support for these 6 broad Key Enabling Technologies (KETs)

1. Advanced manufacturing
2. Advanced materials
- 3. Life-science technologies**
4. Micro/nano-electronics and photonics
5. Artificial intelligence
6. Security and connectivity



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Building the ecosystem and innovation district



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**We facilitate
serendipity**



A background image showing students walking on a set of stairs. In the foreground, a young woman with long brown hair is walking down the stairs. In the middle ground, a young man and a young woman are walking up the stairs; the man is smiling and looking towards the woman. In the background, two more students are walking away from the camera. The scene is brightly lit, suggesting a sunny day.

Hardware

- Facilities
- Ground
- Buildings

Orgware

Combination of sharing,
meeting & connecting.

- Community management
- Business development
- Marketing & acquisition
- Knowledge Development
- Talent Development

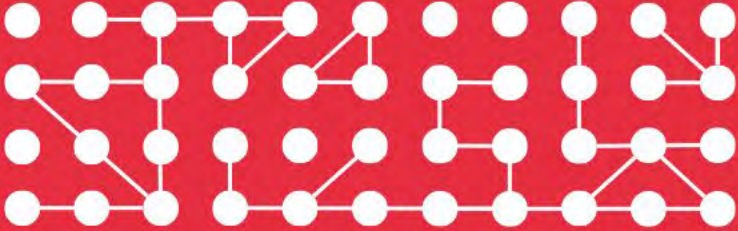
Hardware



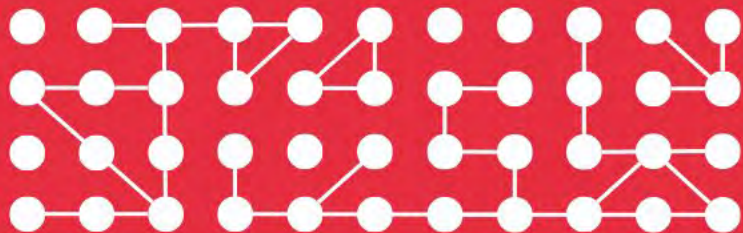
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Utilities

A thriving community offering comprehensive living solutions, efficient utilities, and ample parking. Experience the perfect blend of comfort and convenience in a dynamic scientific environment.



A thriving community offering comprehensive living solutions, efficient utilities, and ample parking. Experience the perfect blend of comfort and convenience in a dynamic scientific environment.

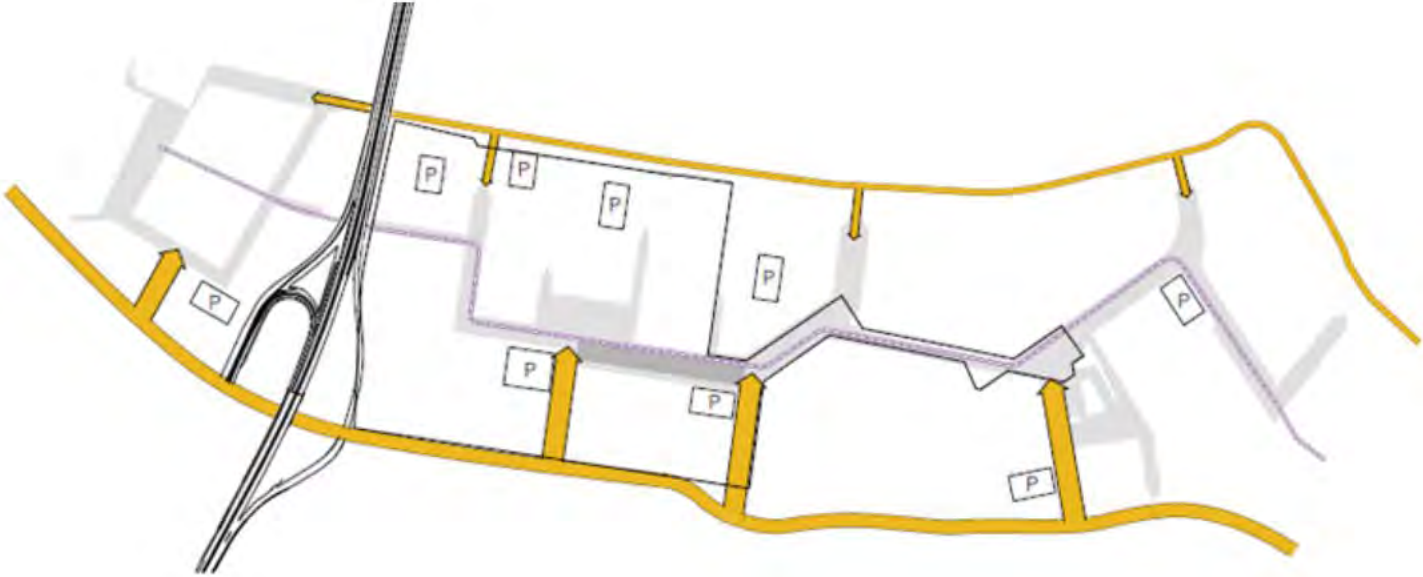


Living

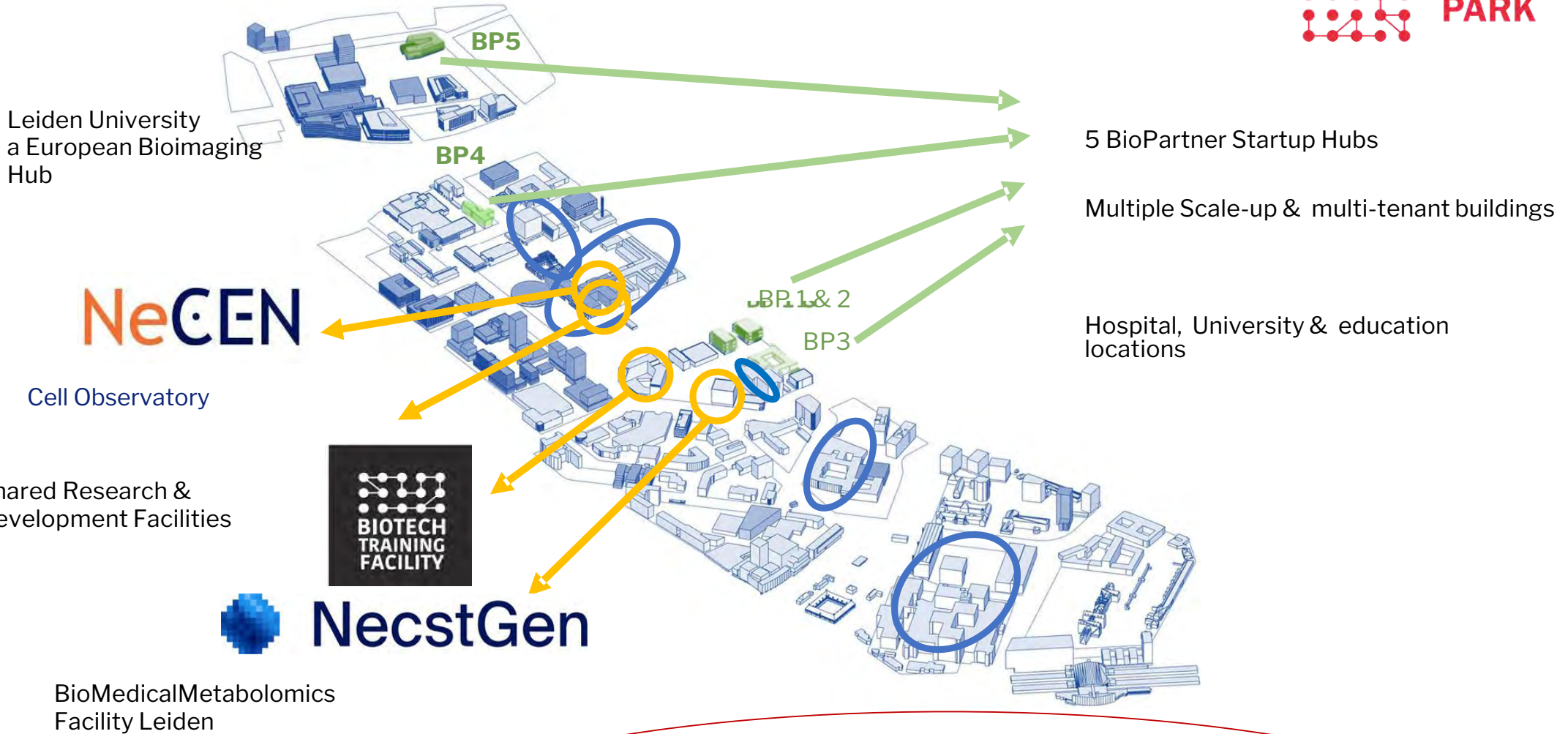


Parking

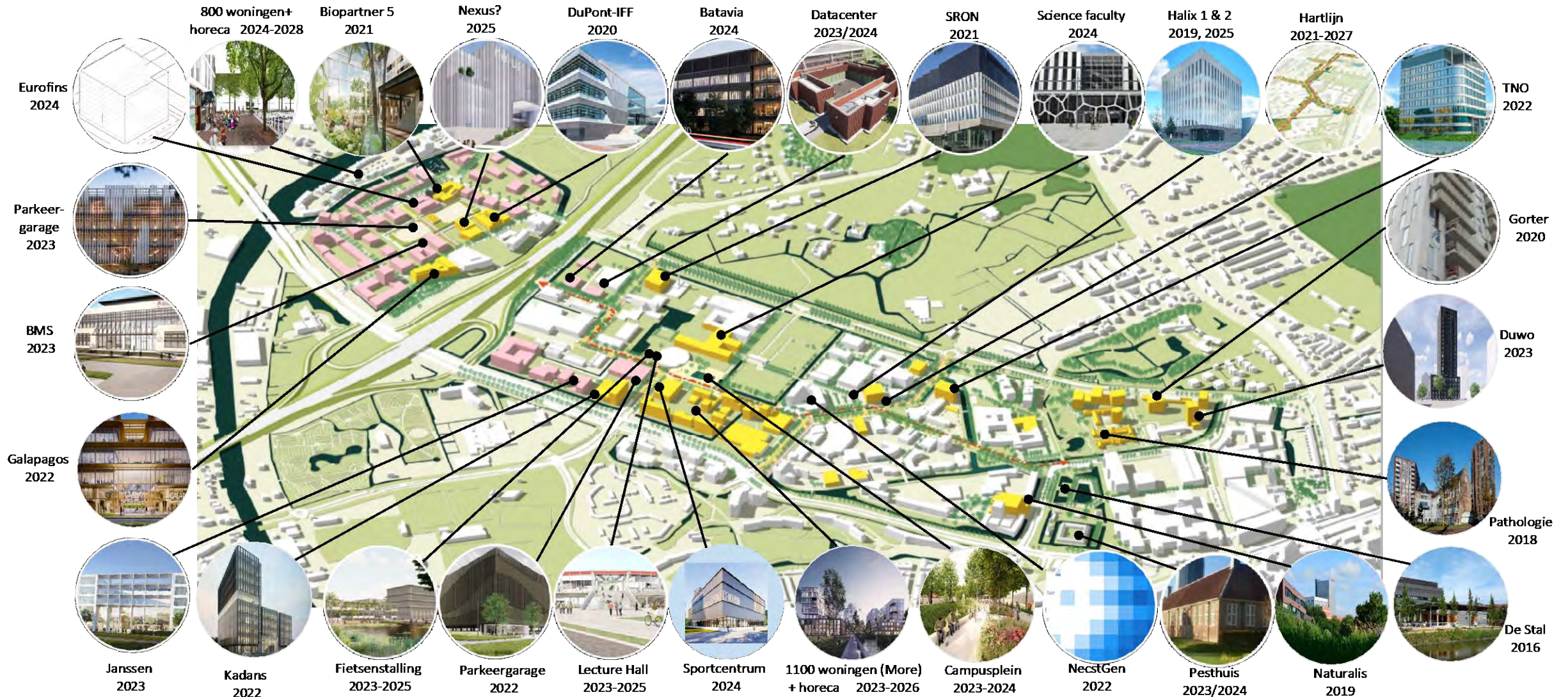
A thriving community offering comprehensive living solutions, efficient utilities, and ample parking. Experience the perfect blend of comfort and convenience in a dynamic scientific environment.



Hotspots on the LBSP



Future developments of our Innovation District

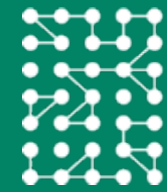


Orgware



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Community Example: TechTalks



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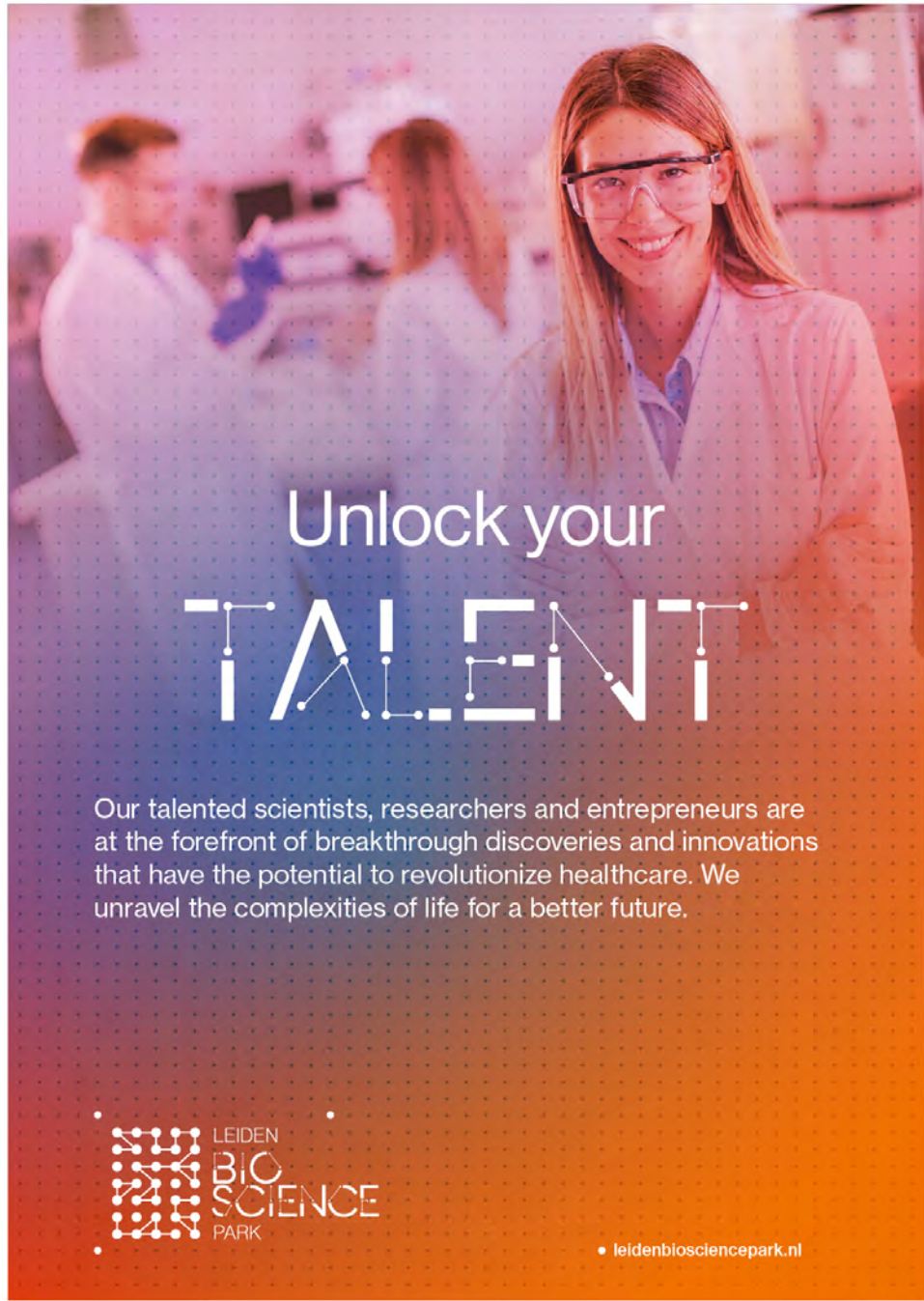


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Life Sciences Café





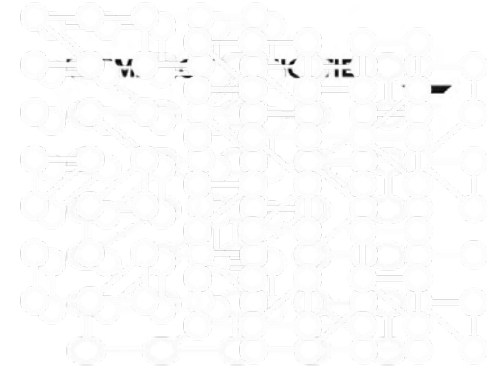
Unlock your

TALENT

Our talented scientists, researchers and entrepreneurs are at the forefront of breakthrough discoveries and innovations that have the potential to revolutionize healthcare. We unravel the complexities of life for a better future.



• leidenbiosciencepark.nl





Unlock your TALENT

Business Developer

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40
YEARS

1984 - 2024

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40years.lbsp.com

Dutch BIO SCIENCE WEEK

For a healthier future
22-29 Juni 2024

Explore The Programme

Discover the program by day or per category

Saturday 22 | Sunday 23 | Monday 24 | Tuesday 25 | Wednesday 26 | Thursday 27 | Saturday 29

Community | All Ages | English Only | Dutch Only | Sports



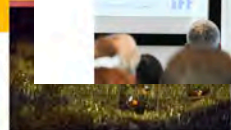
Leiden Knowledge Festival • June 22
Location: Hooglandse Kerk



Leiden Knowledge Festival • June 22
Location: Hooglandse Kerk
Time: 1:00 - 5:00 PM
For? All

Explore a range of health and wellness innovations at the Leiden Knowledge Festival, a free event open to all ages.


[View event](#)



Fireflies • June 25
Location: Leiden Bio Science Park
Time: 12:00 PM - 2:00 PM
For? All

Ignite your child's curiosity in science with a fun-filled afternoon at the 'Fireflies' science battle, where young researchers bring the wonders of science to life!


[View event](#)



Open Day • June 29
Location: Leiden Bio Science Park
Time: 10:00 AM - 3:00 PM


Leiden Bio Science Park invites you to an Open Day! Always wanted to know what happens inside those buildings? Now is your chance!

[View event](#)




Open Days For Young & Old

What are open days in and around Leiden Bio Science Park all about? You'll discover the possibilities and challenges to create a future for 'wonder' health. A variety of organisations will showcase their research, from Leiden University and Leiden University Medical Centre to various startups and entrepreneurs. Meet the people and hear the stories that inspire you to explore the world of science. Open days for young & old. Health is something to be kept together.



Networking Opportunities

Get to know your network and connect with leading partners in the Life Science ecosystem as one of the many networking opportunities. Whether you're a student looking for job opportunities, a seasoned professional, or an investor looking for funding opportunities, there are plenty of occasions where you can expand your network and create meaningful connections.



Industry Sessions & Workshops

Various industry sessions and workshops aim to bring together the Life Science & Health ecosystem and build a bridge to other sectors. These events include keynote speeches by leading figures in the industry, interactive workshops, panel discussions and more. Discussing edge research in the technology, entrepreneurship, high-growth based ecosystem of topics designed to spark curiosity and stimulate discussion.

Are you joining us?

Join us from June 22 – 29, 2024 in Leiden, the beating heart of the Dutch Life Sciences & Health ecosystem and home to Leiden Bio Science Park.

Let's discover the future of health

together

Explore

Leiden Knowledge Festival

Saturday 22 Jun 2024

Are you interested in your health? Looking for fresh insights? Curious about the latest health research? Join us for the Leids Kennisfestival!

Enjoy a day of activities, experiments, play, learning, and discovery as we

how to lead a
in Leiden.

TechTalk XL

Tuesday 25 Jun 2024

Do you work with Cell and Gene therapy? Join us for a special XL edition of the TechTalks, co-organized with NecstGen.

The event will focus on the latest advancements in Cell and Gene therapies.

Fireflies

Tuesday 25 Jun 2024

Do you work for or at a primary school? Ignite your pupils curiosity in science with a fun-filled afternoon at the 'Fireflies' science battle, where young researchers bring the wonders of science to life!

Beach Volleyball Tournament

Wednesday 26 Jun 2024

Employees at Leiden Bio Science Park are invited for an afternoon of fun at the University Sports Centre's beach courts. Gather your colleagues for a team of 5+ and join us for sport, prizes and drinks. The sporting spirit awaits!

Café XL

2024

al within the field of Bio
es and/or Health?

Join us for an XL version of the Life Sciences Café! Tickets are limited so reserve yours today and share a drink and bite in the sun at 'De Stal'!

And much more!



Celebrating



years of brilliance



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Let's stay connected and strengthen our collaboration.

On behalf of



Leids Universitair
Medisch Centrum



Leiden



Oegstgeest



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VERENIGING
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Leiden

Johnson & Johnson