

SCIENCE MEETS LIFE

VIB: Science meets Life



October 31st, 2017

Katrien Swerts – Manager New Ventures

VIB structure in a nutshell

VIB is inspired by grand societal challenges

Healthy living



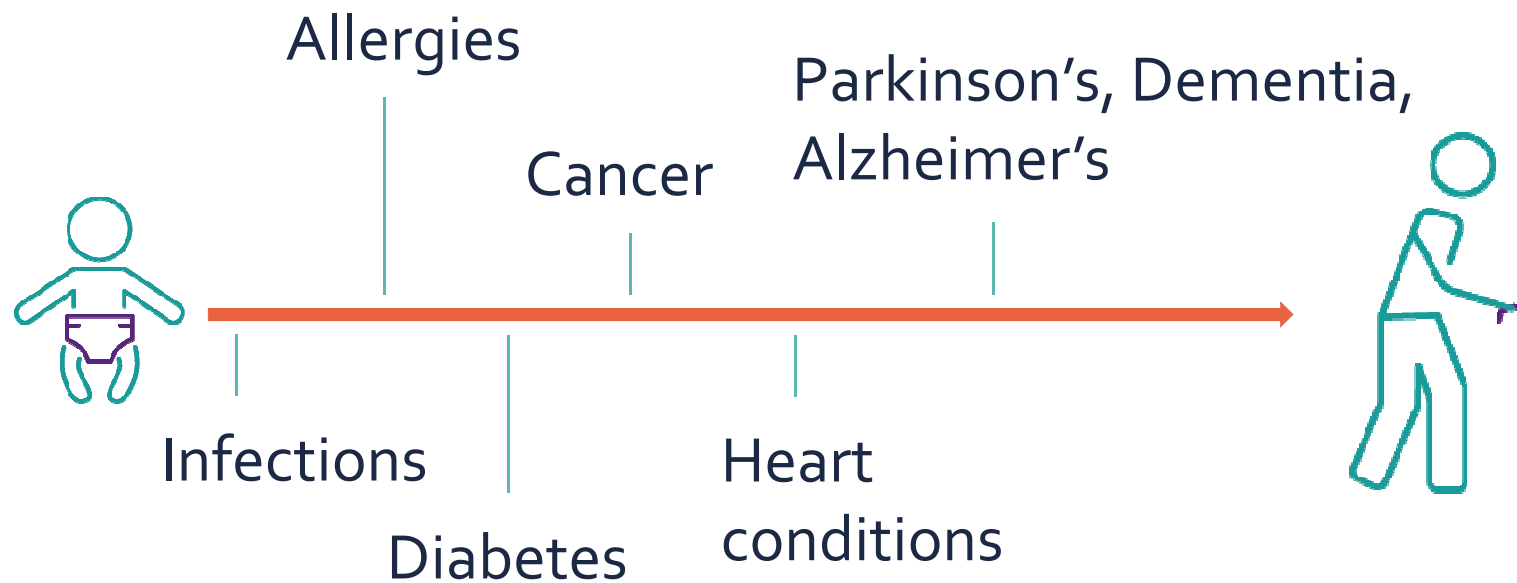
TACKLE DISEASE

Sustainable food
production



FEED GROWING
WORLD
POPULATION

How to ensure healthy living?



PREVENT, IDENTIFY & CURE!

Why sustainable food production?



Growing population: 7 bn
(2016) to 9 bn in 2050



Climate change



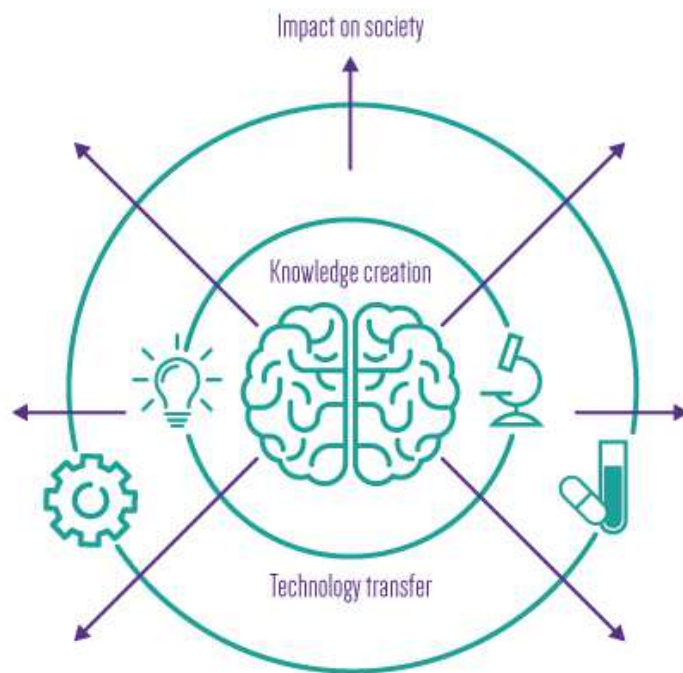
Safekeeping of nature



Use less water

Collaboration and integration are essential

VIB stimulates research at the intersection of academia and industry

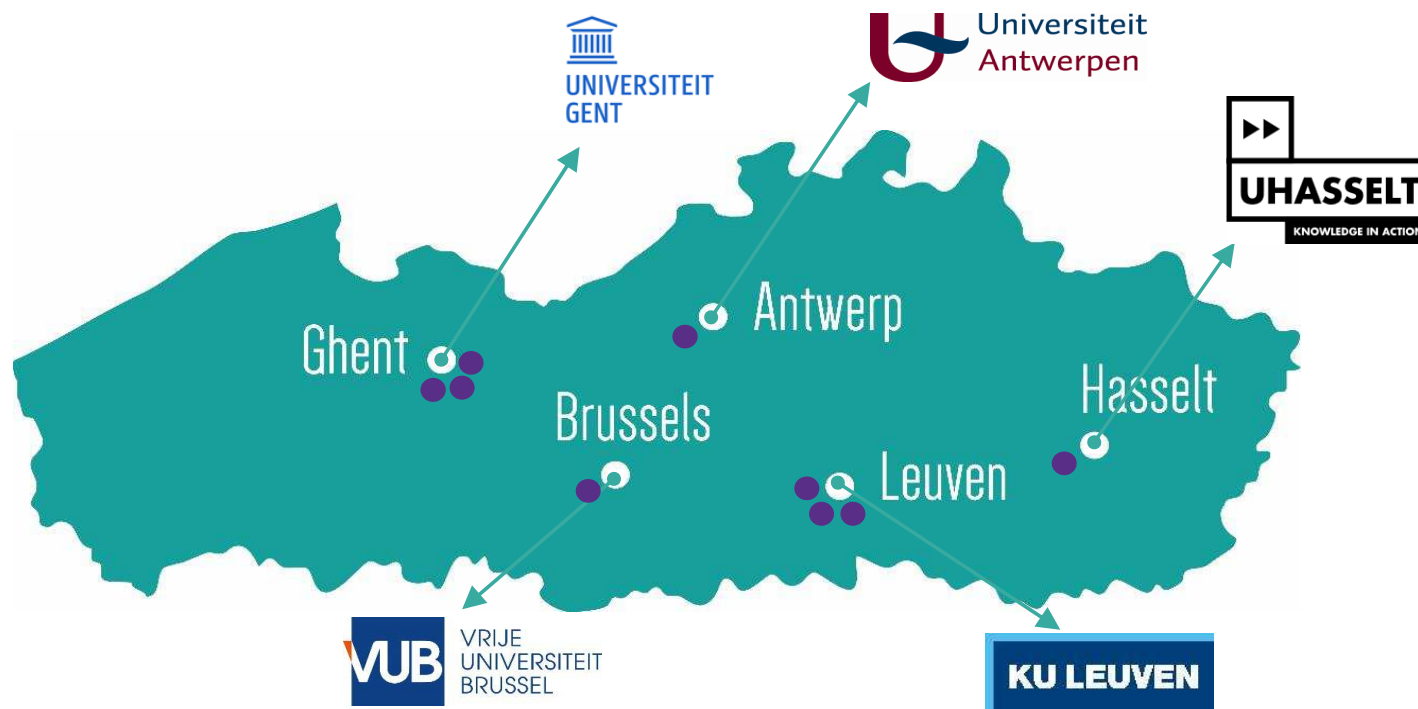


VIB

- ▶ Founded in 1996 (not for profit)
 - ▶ 9 existing Flemish university departments selected
 - Scientific excellence
 - International reputation
 - Affinity for innovation
- ▶ 650 scientists and technicians
- ▶ Management agreement (1996-2000)
 - ▶ € 22 M/ year



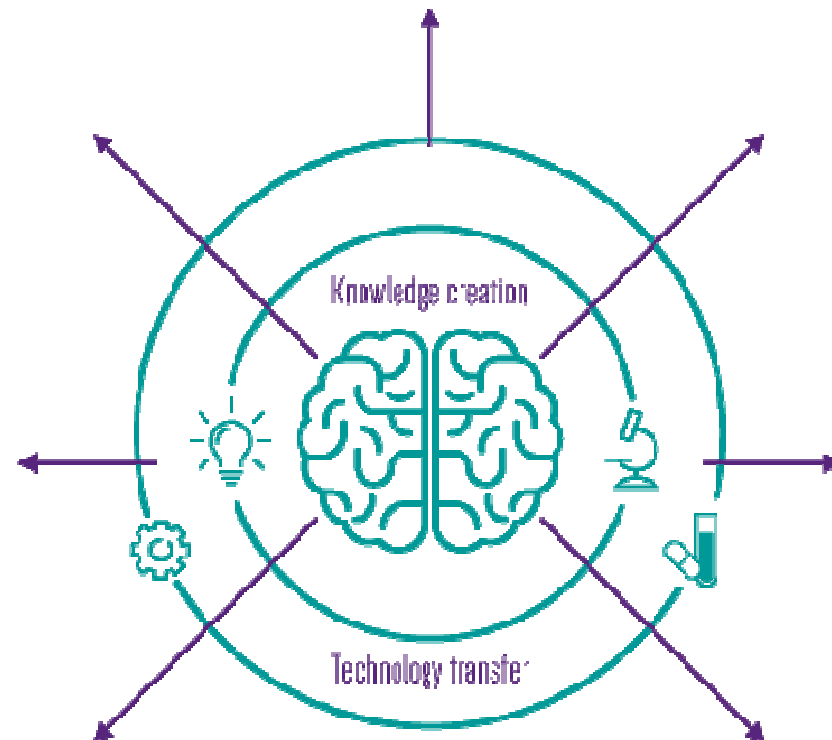
VIB's partnership with universities





 **TOTAL INCOME** 
%53 FLEMISH GOVERNMENT
%47 OTHER INCOME

VIB combines curiosity-driven research with value-added tech transfer



Excellence in science and innovation



SCIENCE MEETS LIFE

It all starts with high quality research

8 focused research areas



Plant Systems
Biology



Cancer
Biology



Neurobiology



Translational
Neuroscience



Inflammation



Medical
Biotechnology



Structural
Biology



Microbiology

In an innovative environment

VIB invests in people, infrastructure and innovation



- ▶ National & international recruitment
- ▶ Scientific independence
- ▶ Open dialogue to knowledge sharing
- ▶ Career development
- ▶ Training
- ▶ Well-being



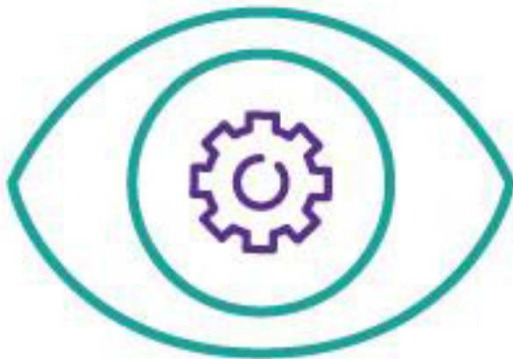
- ▶ State-of-the-art facilities
- ▶ Embedded in universities
- ▶ 5 locations in Belgium



- ▶ Continuous investment in equipment
- ▶ High-end tech services
- ▶ Tech watch
- ▶ Discovery sciences
- ▶ Core facilities

VIB explores new technological horizons

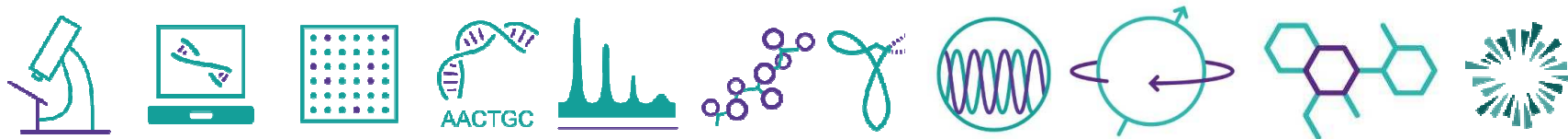
Staying on top of technology developments



- Technology watch initiatives
 - ▶ Scout for disruptive technologies
 - ▶ Mediate early access
 - ▶ Set up partnerships with cutting-edge technology providers

Access to state-of-the-art technology is essential

Fascilitating technology-demanding interdisciplinary research



- High-end research infrastructure for VIB and beyond
- Continued investment in state-of-the art equipment, expertise and experience
 - ▶ Strategic alliances
- Develop the technologies of tomorrow

VIB's scientific results are impressive



High quality publications

1 peer reviewed publication / day

2 breakthrough papers / week

1 paper in Nature, Cell / week



Patents

20 - 40 patents/year since 1997



PhD graduations

1 PhD graduation / week

 **840** PUBLICATIONS
SCIENCE
276 PUBLICATIONS IN
TIER 5 JOURNALS

 **10** CORE
FACILITIES
TECHNOLOGIES
INVESTED IN TECH
WATCH PROJECTS **500 K**



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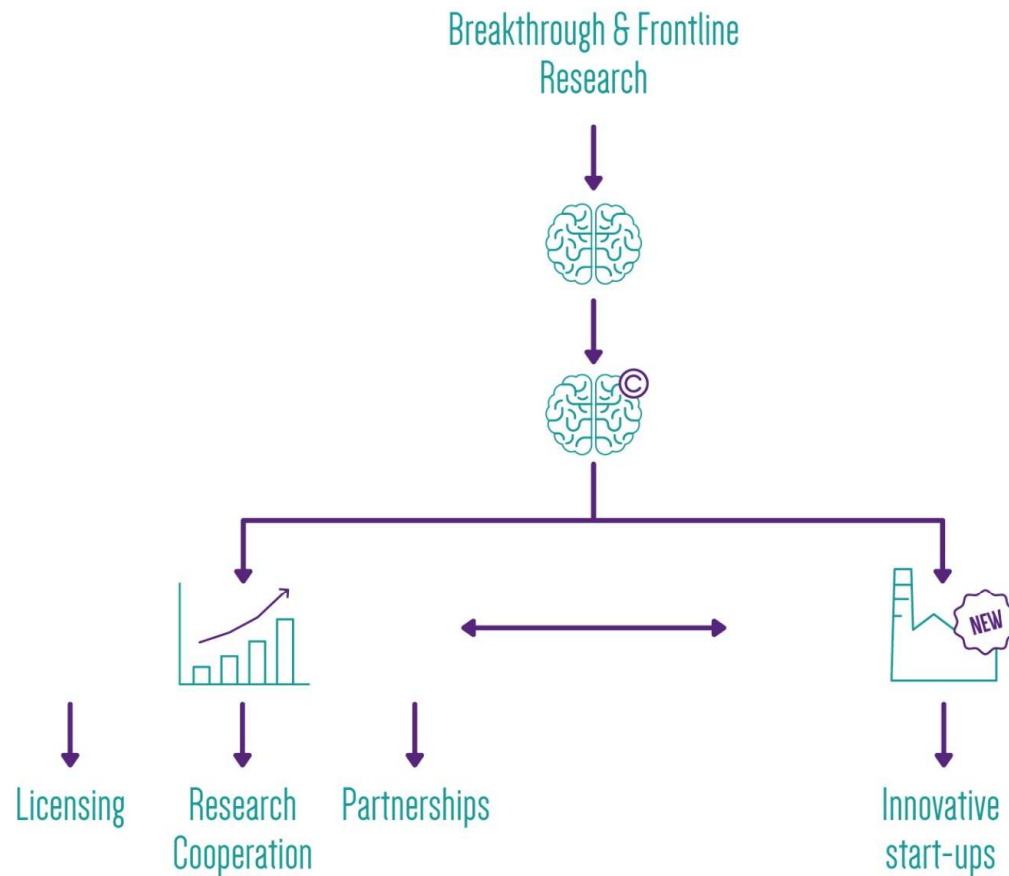
Excellence in Tech Transfer and Entrepreneurship



SCIENCE MEETS LIFE

VIB also excels in tech transfer

A creative and entrepreneurial approach are key



VIB creates significant added value for society

The tech transfer department sets an example in Europe



> 1000 partnerships with industry



- 550 patent applications
- 250 patents granted



> M€ 13 industrial revenue in 2016



- Spin-offs and inward investments: >1,150 jobs
- VIB spin-offs attracted M€ 930 capital investment (>50% foreign)

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5 PARTNER UNIVERSITIES → **INSTITUTE** ← 75 RESEARCH GROUPS
66 NATIONALITIES ← 1,606 COLLABORATORS

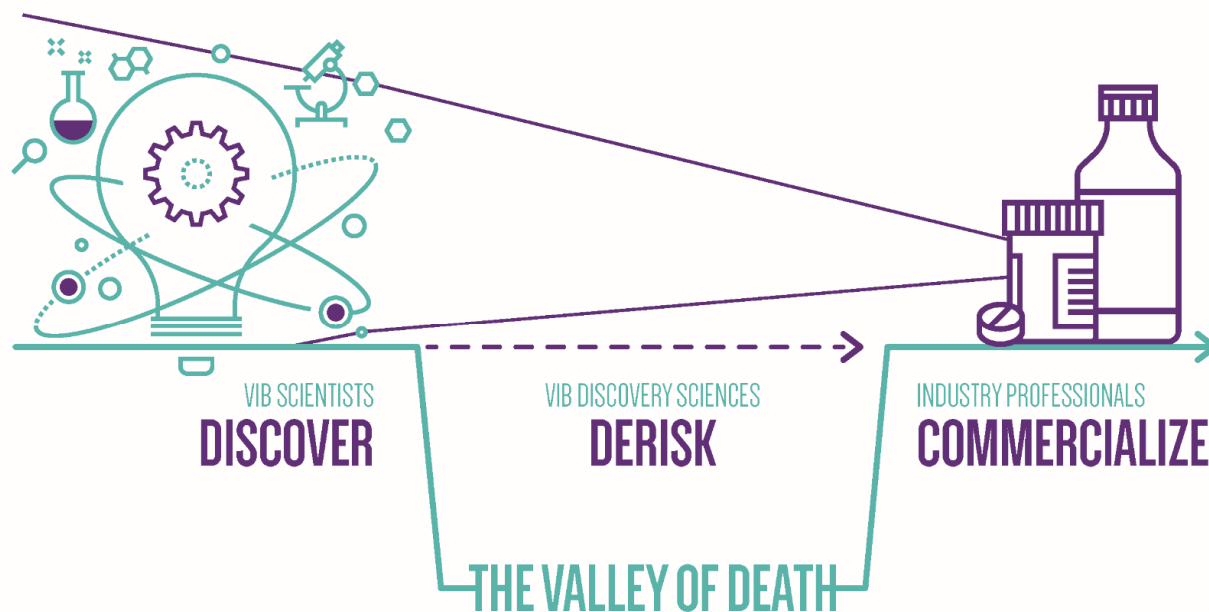
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 **TECH
TRANSFER**
930 M CAPITAL INVESTED
IN SPIN-OFFS
706 EMPLOYEES
IN START-UPS

Value creation is challenging



VIB Discovery Sciences

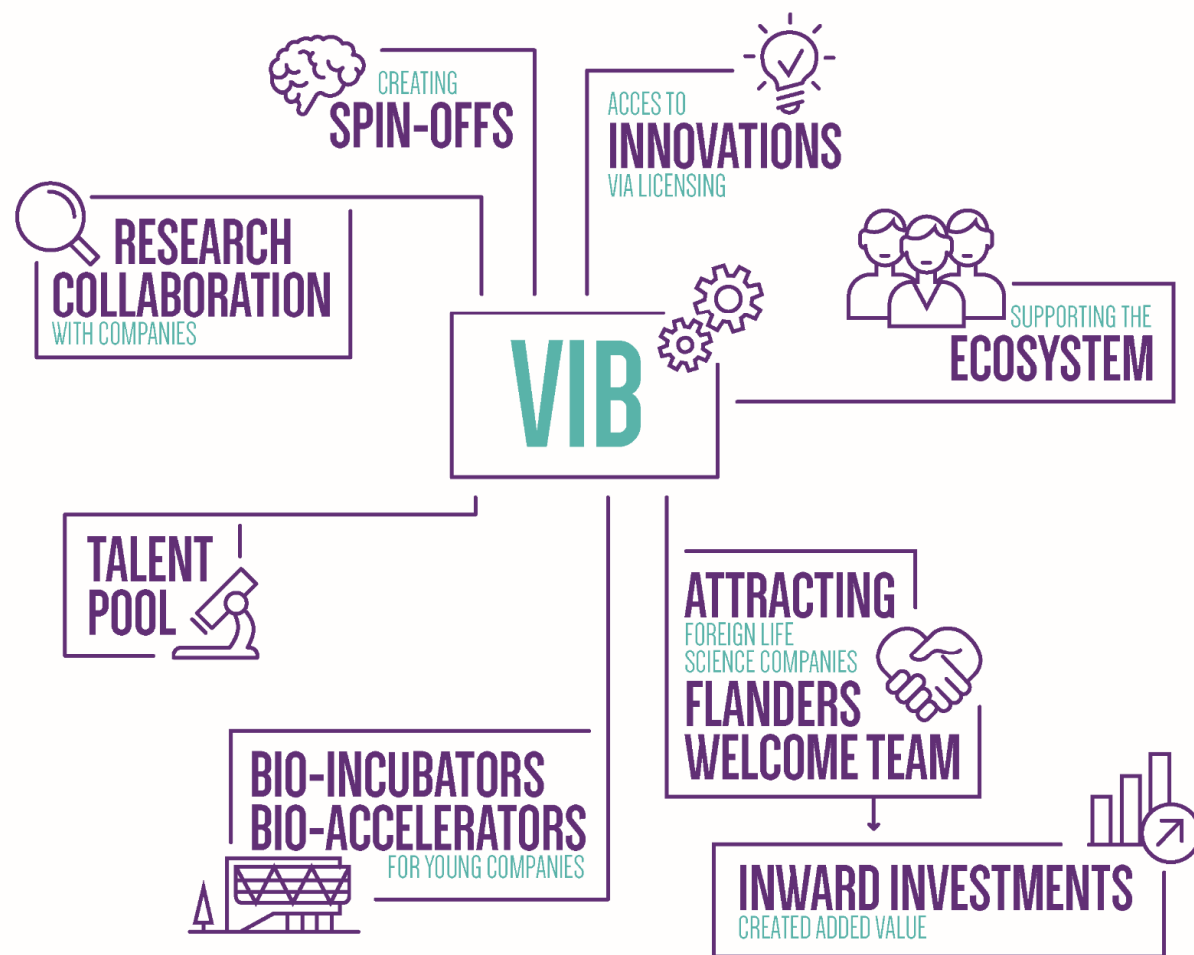


Vibrant life sciences ecosystem



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Role of VIB in the biotech cluster



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 **PUBLIC
ENGAGEMENT**
PARTICIPANTS
IN VIB CONFERENCES **1,460**
ARTICLES
PUBLISHED IN THE PRESS **585**

Healthy living in a sustained environment

VIB's commitment

