

Strategische onderzoekscentra (SOC)

Jo Bury, managing director



Colloquium Toekomst Onderzoek in België
Senaat, 3 maart 2015

Strategische onderzoekscentra (SOC)

Criteria

- SBO
- wetenschappelijke excellentie (internationaal)
- substantiële kritische massa
- fit in innovatiebeleid VR (kennisconomie)
- belangrijk valorisatiepotentieel (versterken VL bedrijven)

SOCs Flanders





VIB: Mission

To conduct frontline biomolecular research in life sciences for the benefit of scientific progress and the benefit of society

Excellence in science

+

Excellence in tech transfer

VIB's road to success

4 universities



Vrije Universiteit Brussel

VIB's road to success

- 4 universities
- 8 departments
- 74 research groups
- 7 core facilities



A large group photograph of many people, likely co-workers, standing in rows in a large indoor space. They are dressed in casual to semi-casual attire, with many wearing name tags or small cards pinned to their clothing. The room has a polished wooden floor and a patterned carpet in the background.

1470 co-workers



> 60 NATIONALITIES

VIB Set up

- 1995 vzw (not for profit)
- Research Institute
- General Assembly
- Board of Directors
- Management committee

VIB Set up

Partnership with universities

- university campus
- empower univ staff with VIB staff
- framework agreement VIB-univ
- mutual added value
- share return on investment
 - Publications: 2 affiliations
 - IPR: joint IP (VIB in charge)

Management agreement

- investment Government of Flanders
 - 44,2 M€/year (2015)
- management agreement
 - 5 year term
 - performance criteria (KPI)
 - science
 - tech transfer
 - training
 - economy
 - science communication

Science policy

Making the Difference

- frontline (not me too)
- world class (international competition)
- relevance + quality



=

good record of high impact publications
and patent applications

Science policy

Making the right choices

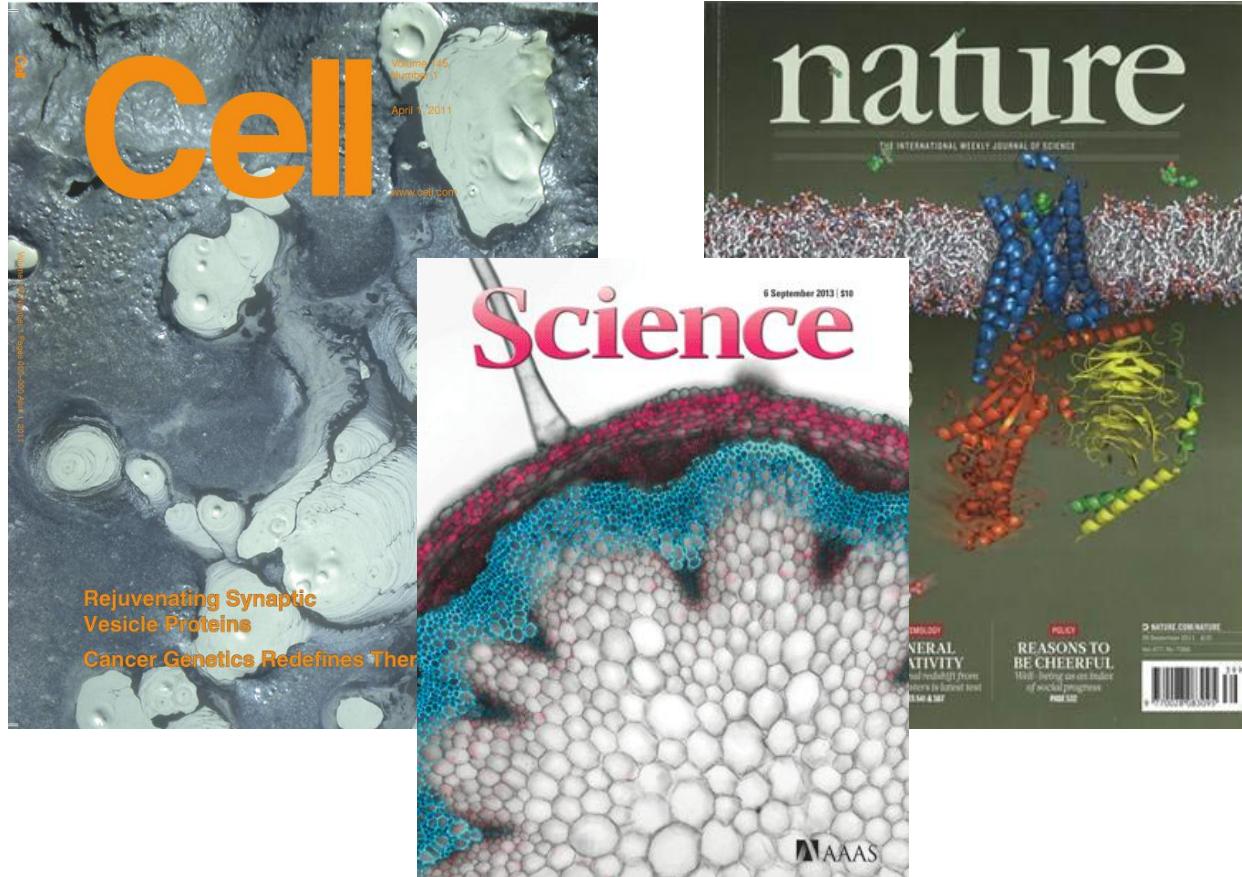
- selecting on excellence
- bottom up approach
- strategic plan (15.10)
- exposure to SABs
- monitoring (w y m i w y g)
- evaluation
- reward excellence (rotation)
- VIB grant allocation ~ performance

Basic Research@VIB

Molecular mechanisms

- molecular medicine
 - normal growth and development
 - health vs disease
 - neurobiology
 - cancer
 - inflammation
 - cardiovascular
- sustainable agriculture
 - normal growth and development
 - normal vs stress

Excellence in science

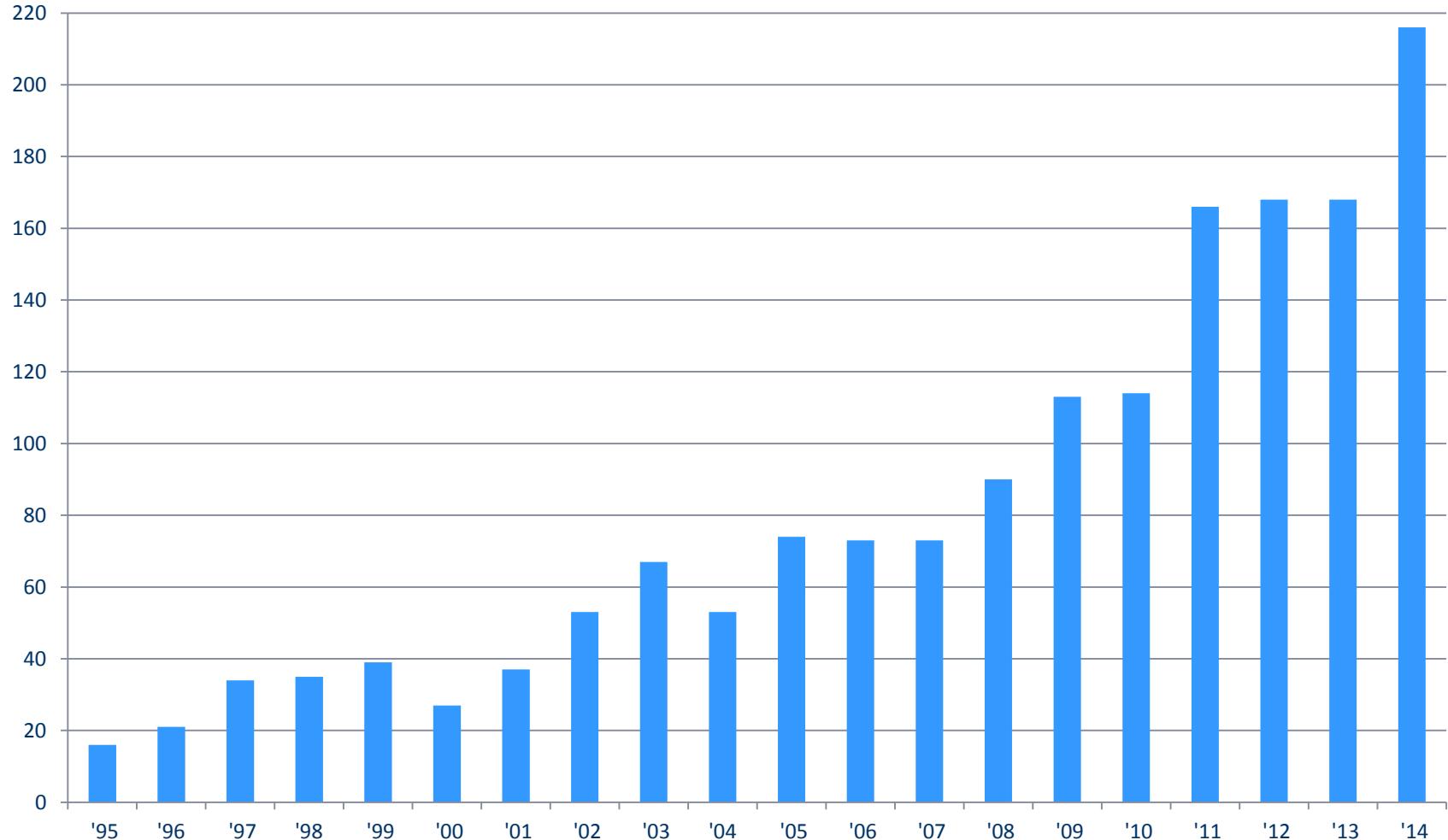


Results 2014

- 701 peer reviewed publications
- 216 breakthrough articles (81 T1%)
- 61 PhD's



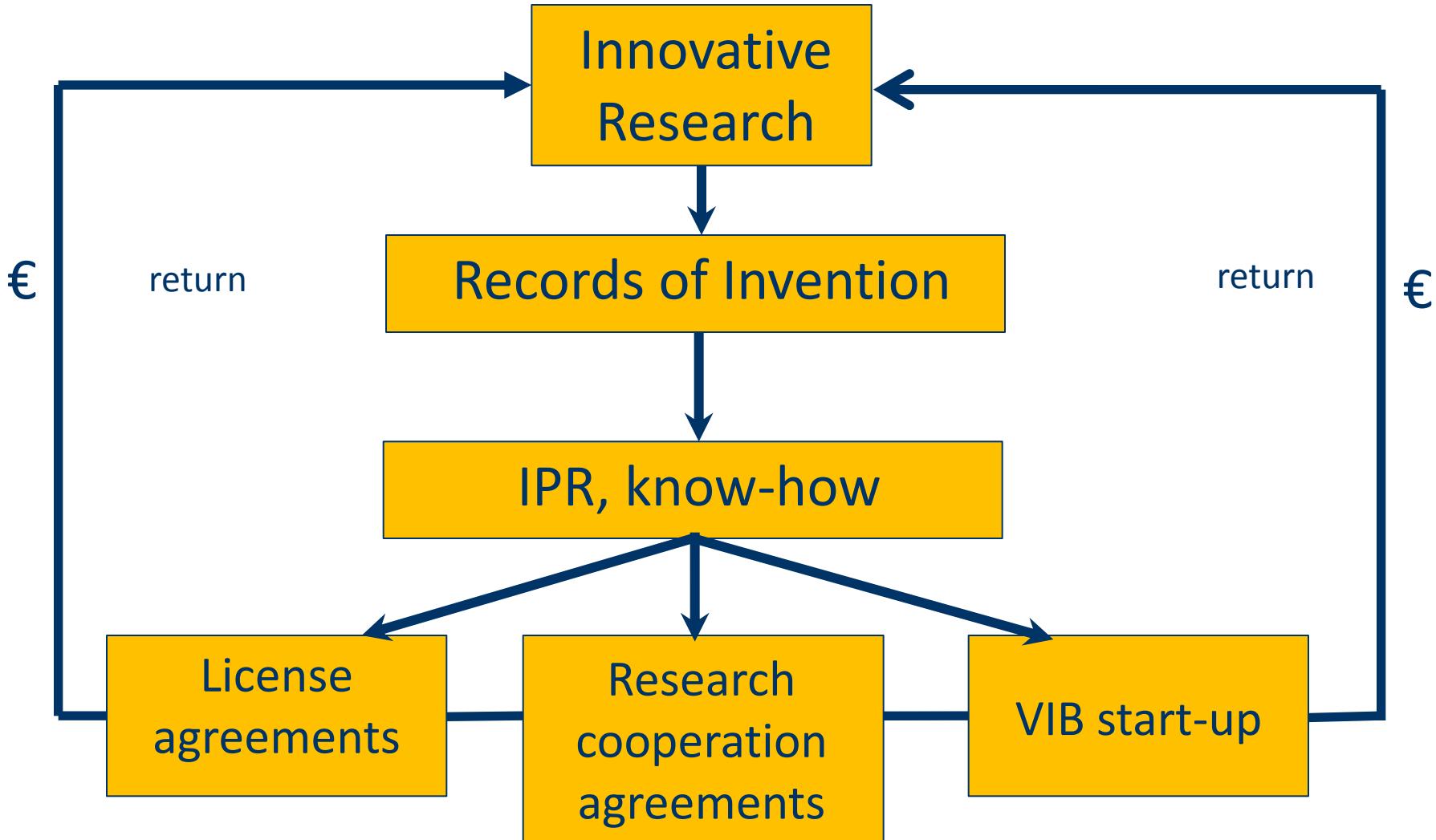
Publications in top journals (T5%)



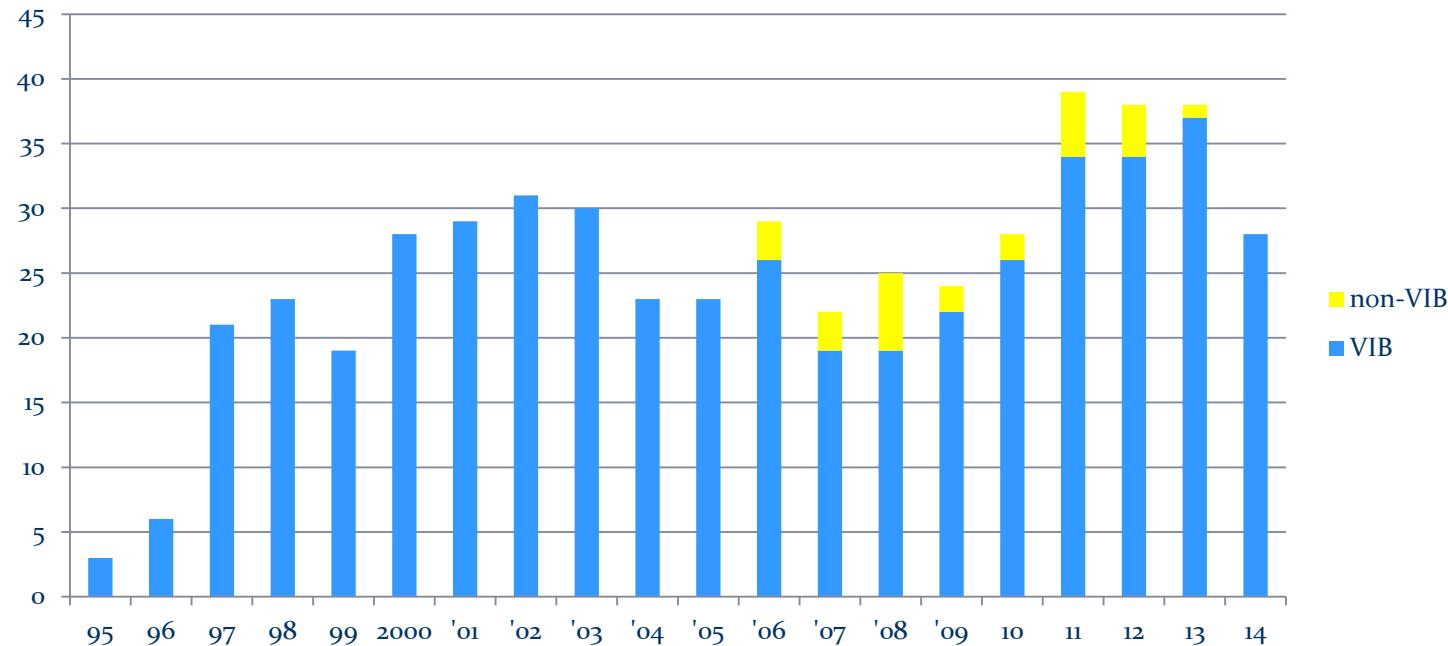
Excellence in tech transfer



From scientific excellence to value

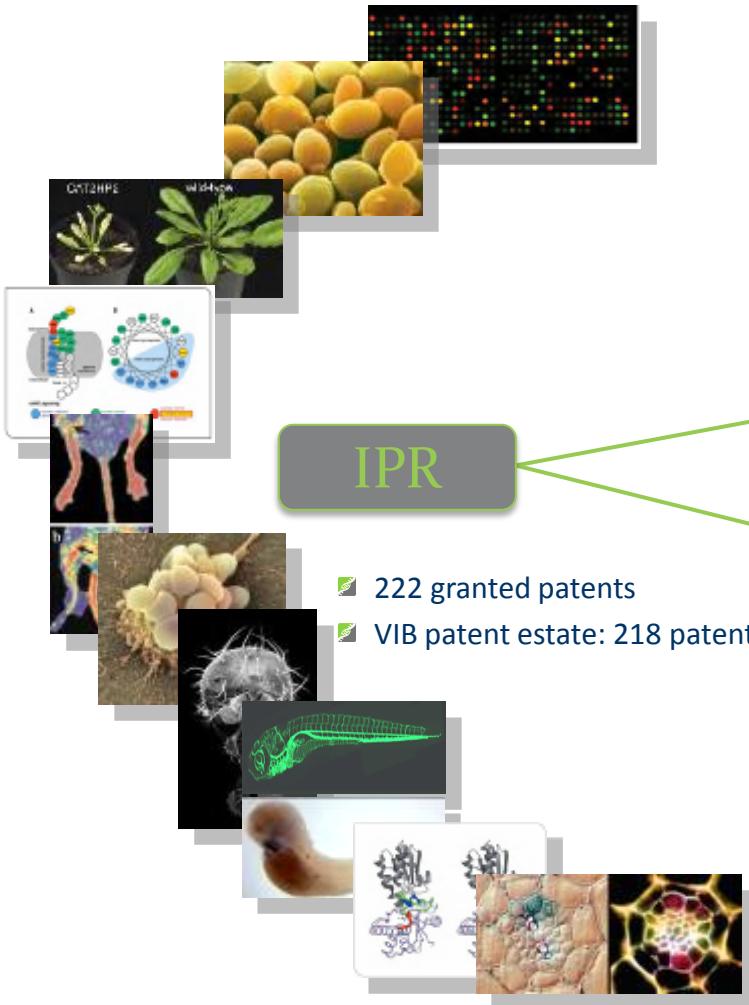


Patent applications



- 246 granted patents
- VIB patent estate: 224 patent families

Translating scientific excellence into value



IPR

- 222 granted patents
- VIB patent estate: 218 patent families

agreements

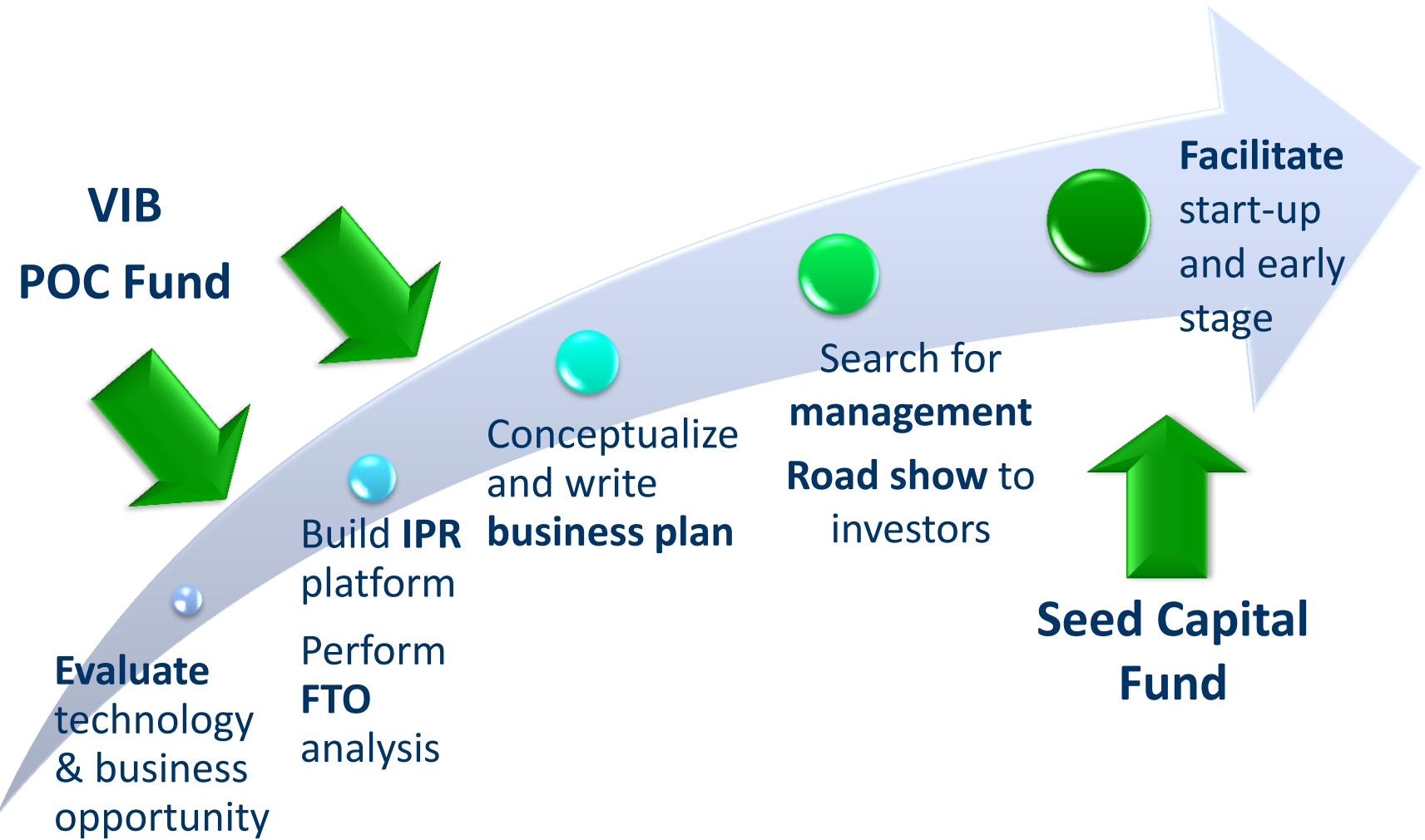
start-ups (*approx. 600 employees*)



- 114 partnering agreements signed
- 13 Mio €

- >600 employees
- Raised 569 Mio €

VIB approach towards start-ups



VIB start-ups

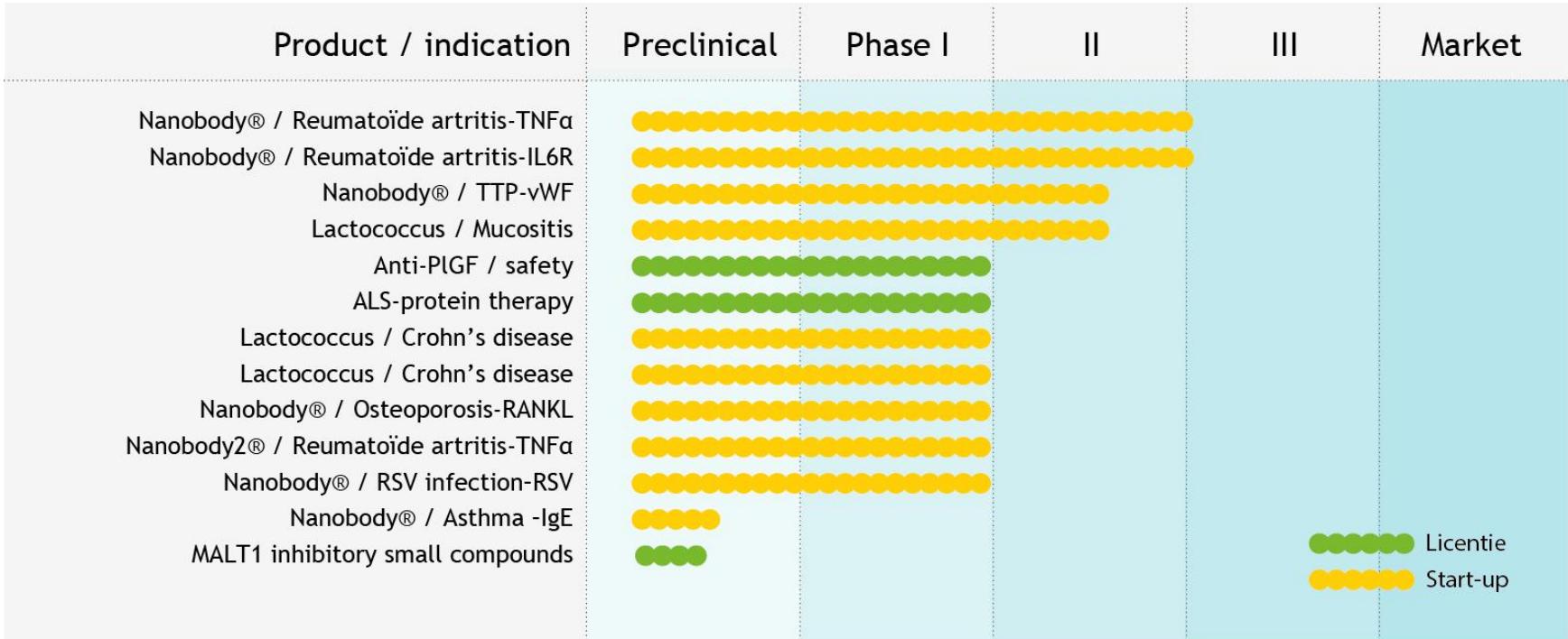


612
employees

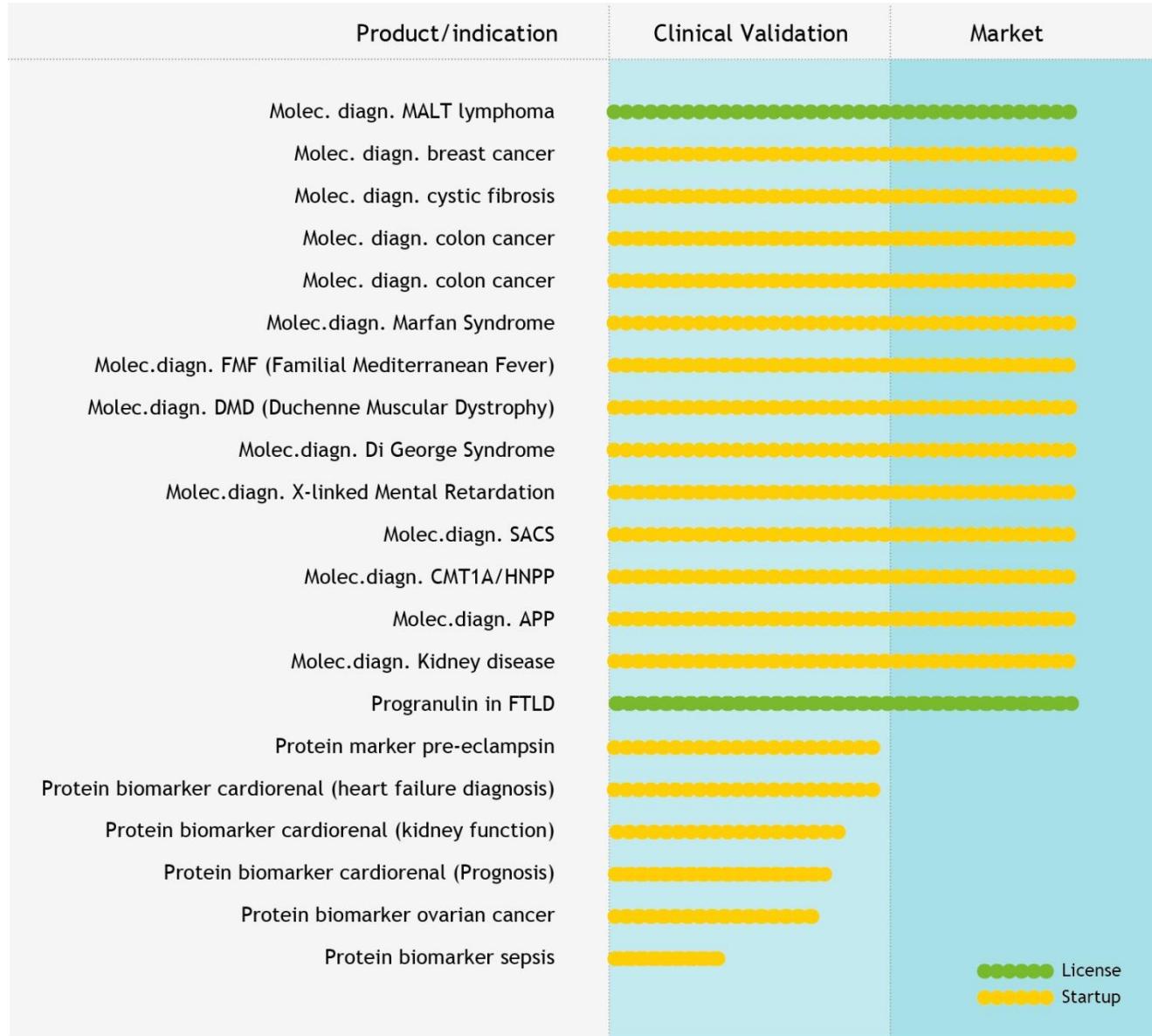


Total investment in VIB start-ups: 569 M€

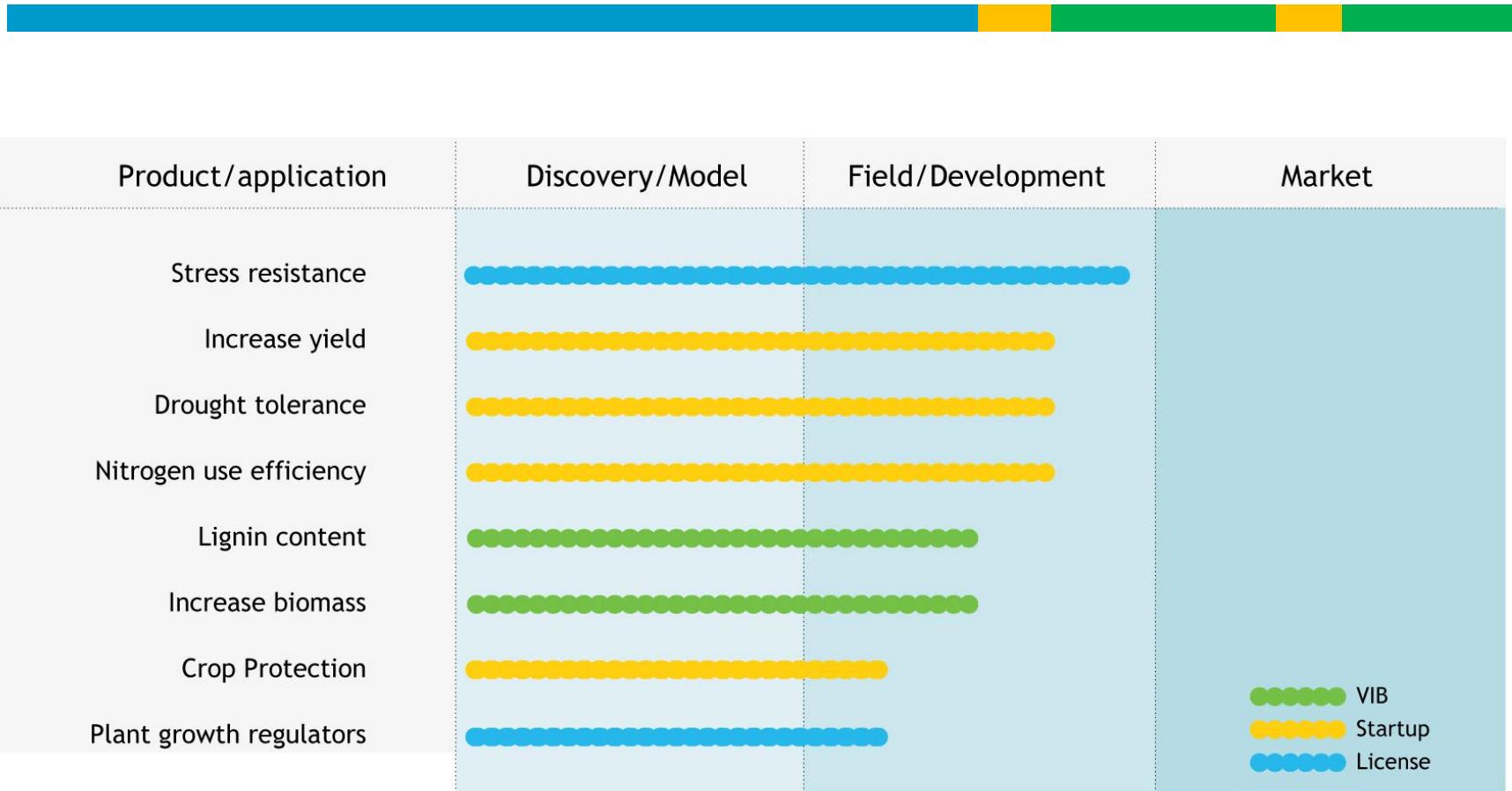
Products: therapeutic pipeline



Products: growing diagnostic pipeline



Products: Agbio pipeline



Supporting the ecosystem

Building networks



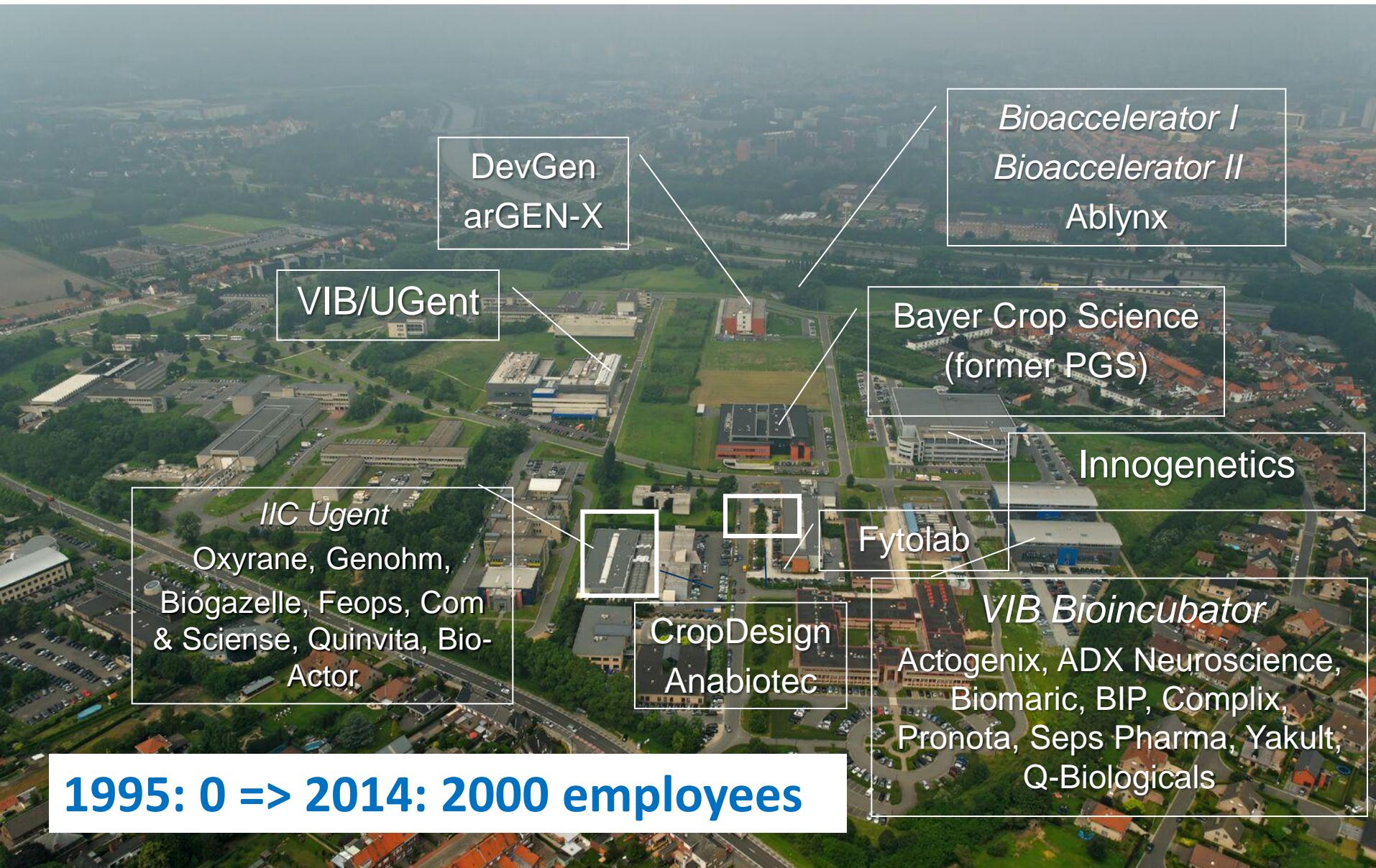
Infrastructure



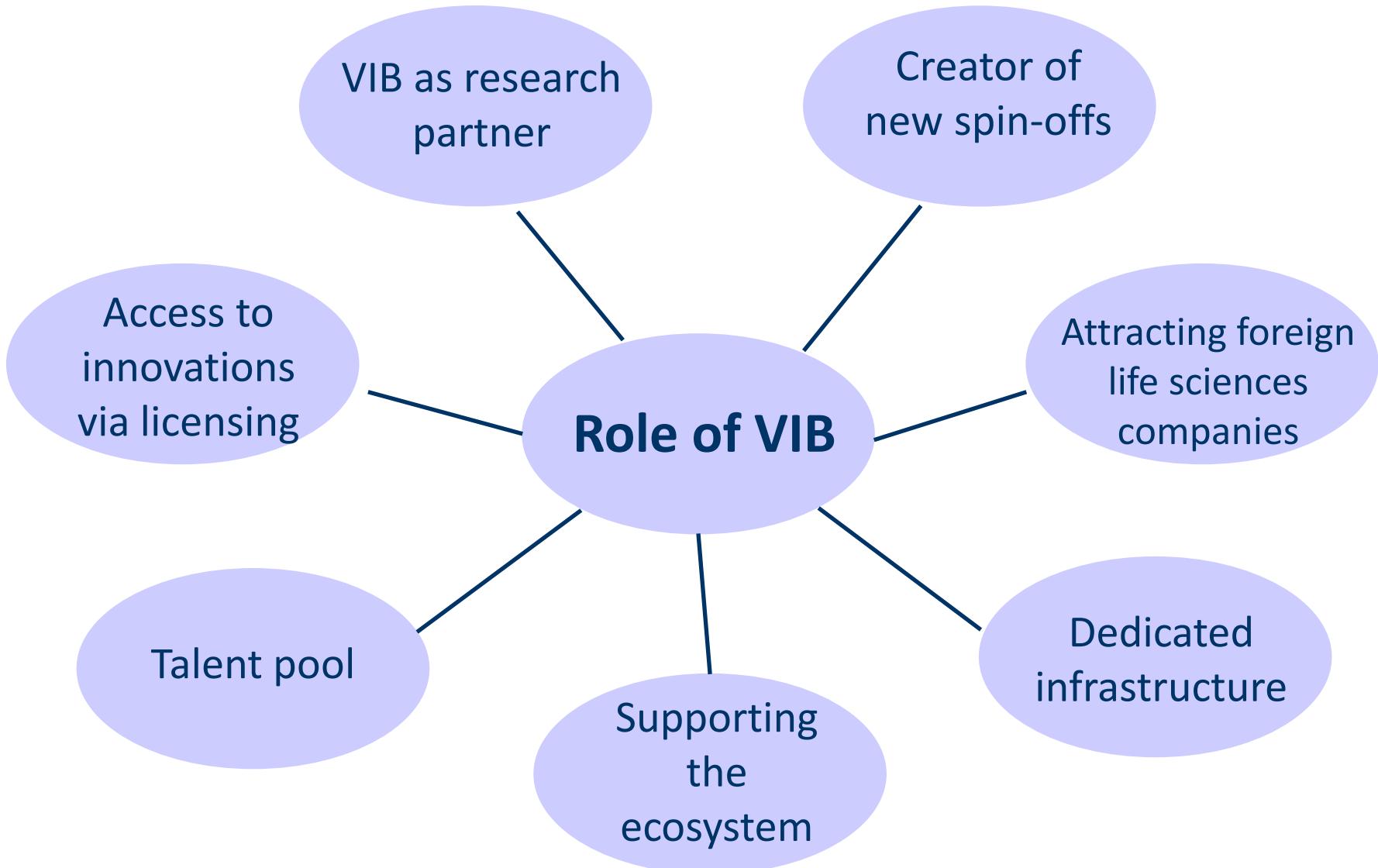
Attracting/consolidating companies to/in Flanders



UGent Technology Park: Large Cluster in Biotech the largest R&D hub in AgBio in Europe



Role of VIB in the biotech ecosystem



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