



University of Antwerp at a glance



Mission & Vision

- A young, dynamic and forward-thinking university
- Three core tasks:
 - Education
 - Research & Valorisation
 - Provision of services



Facts & Figures

- 9 faculties, including 4 working on Life Sciences:
 - Medicine and Health Sciences
 - Pharmaceutical, Biomedical and Veterinary Sciences
 - Sciences
 - Design Sciences
- Creativity and Entrepreneurship office for students
- ~23.000 students, ~7.000 staff members
- 122 research groups, ~4400 publications yearly
- 15 Research Centers of Excellence
- 8 Technological Consortia
- 52 spin-offs with AUHA (Associatie Universiteit en Hogescholen Antwerpen)



www.uantwerpen.be/en/research/



valorisatie@uantwerpen.be



UAntwerpen Valorisation Office



Antwerp University Hospital (UZA) at a glance



Mission & Vision

- UZA: Powered by Knowledge, Experience, and Care
- Three core tasks:
 - Multidisciplinary medicine, complex and rare diseases
 - Clinical research, bench-to-bedside, and back
 - Training of (para)medical professionals and researchers



Facts & Figures

- 3400+ employees & 620+ medical doctors
- 620+ MEUR yearly revenues
- 18.000 surgeries
- 50.000 1-day visits & 28.000 overnight stays (593 hospital beds)
- Focus domains:
 - Oncology & (oncological) haematology
 - Cardiology
 - Trauma & acute care
 - Precision surgery & transplantation surgery
 - Infectious diseases & pandemic preparedness
 - Mother & child care
- 500+ clinical studies and funded research project
- 1.200+ scientific publications per year
- 5 spin-offs with UAntwerpen



www.uza.be/en/research-innovation-and-valorisation



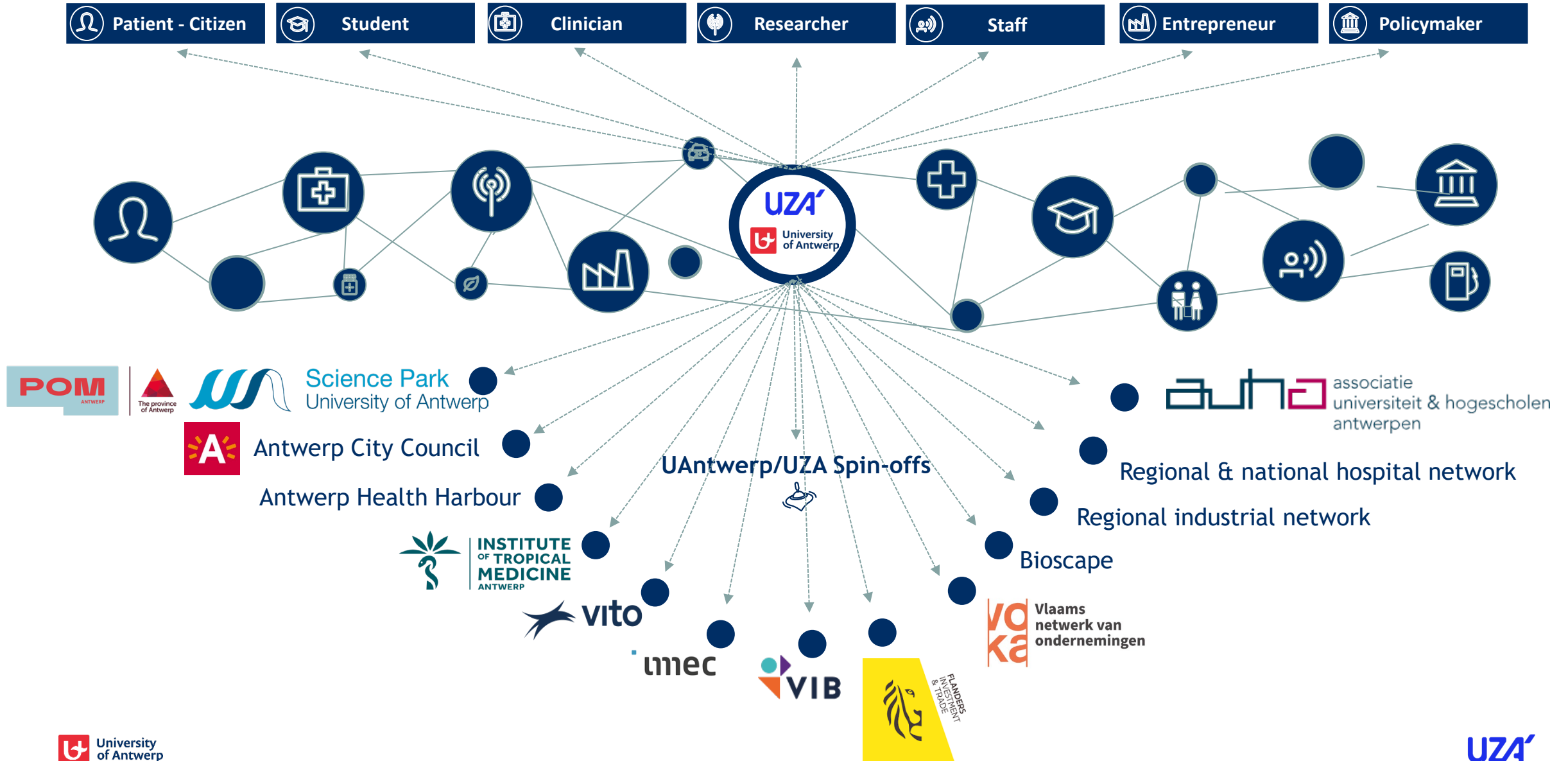
OIV-valorisation@uza.be



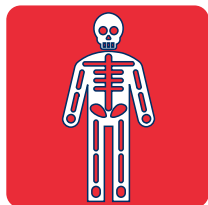
UZA



LIFE SCIENCES CAMPUS – Part of a Vibrant Life Science Ecosystem



LIFE SCIENCES CAMPUS – Focus Domains & Technical Expertise



Focus Domains



Cardiology



Infectious Diseases



Inflammation



Life Care



Neuroscience



Oncology

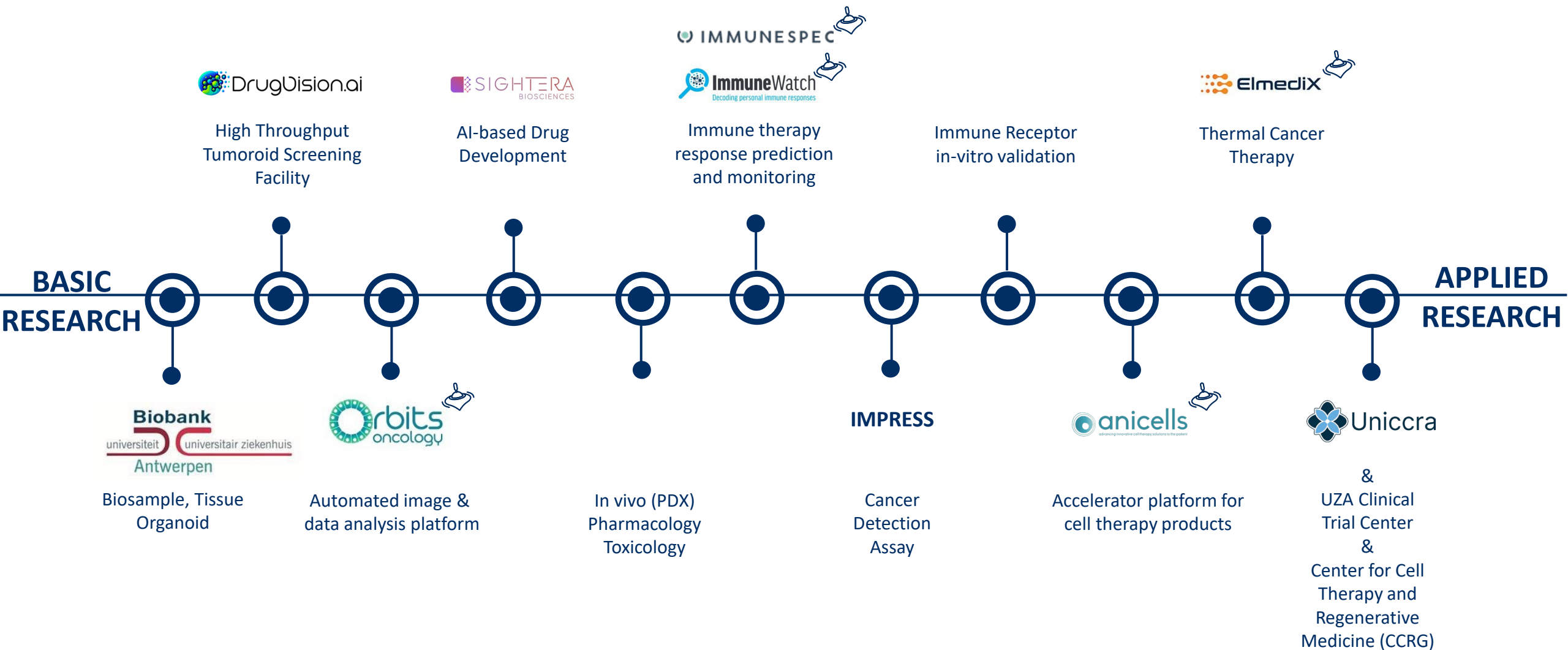


Technical Expertise

- Biobanking & Organoids
- Biomarker Discovery
- Cell, Tissue & Gene Therapy
- Citizen Science & Patient Involvement
- Clinical Trials
- Data, AI & Bioinformatics
- Drug Discovery
- Environmental Assessment
- Health Economics
- Imaging
- Immune Monitoring
- Medical Devices
- Omics
- Preclinical Modeling
- Product Development
- Vaccinology



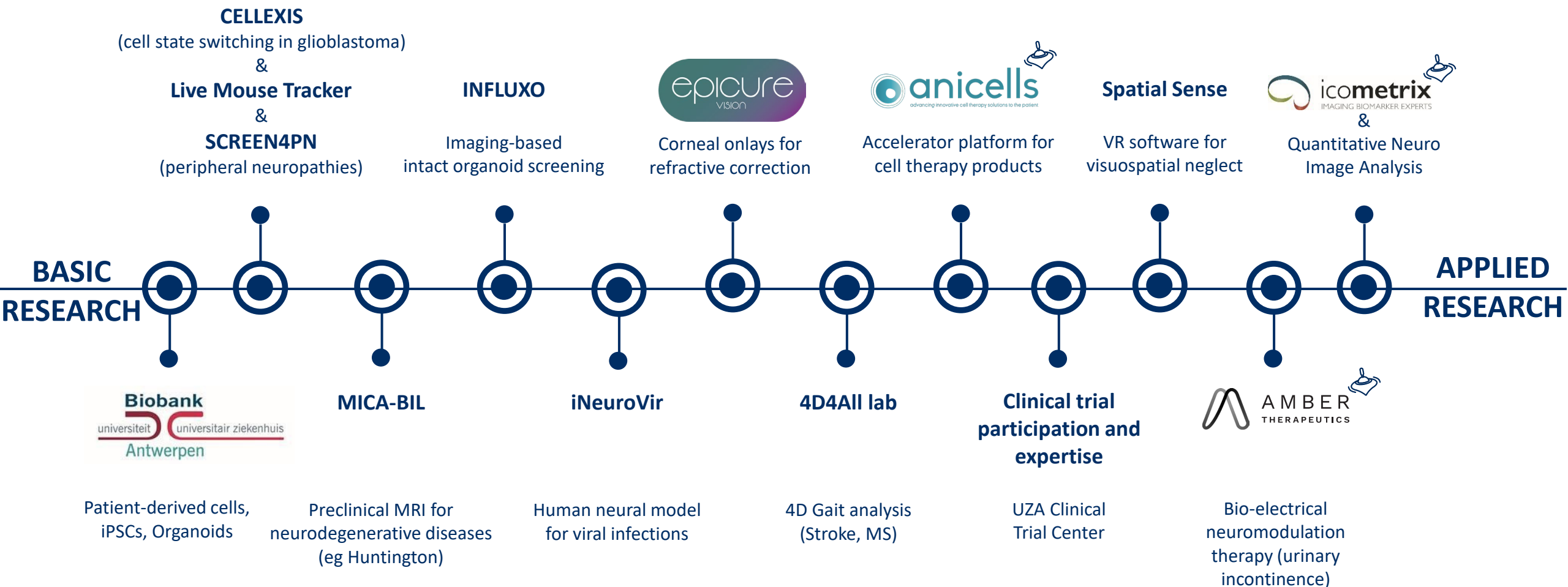
LIFE SCIENCES CAMPUS – ONCOLOGY





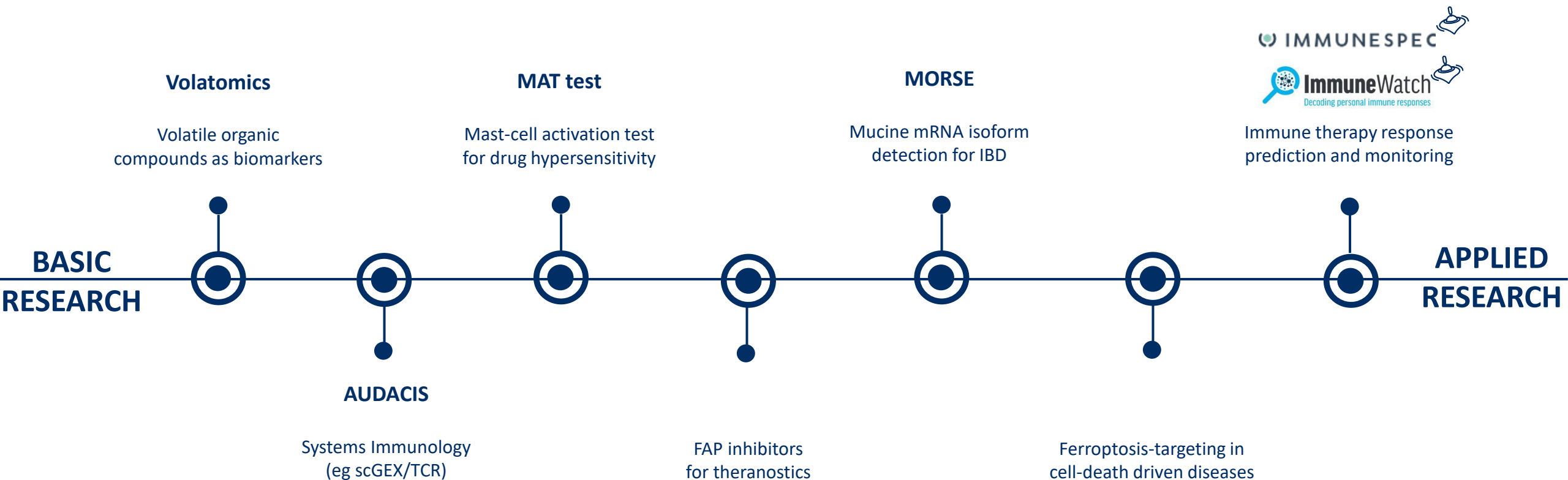
LIFE SCIENCES CAMPUS – NEUROSCIENCE

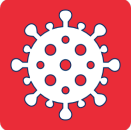
Drug screening technologies





LIFE SCIENCES CAMPUS – INFLAMMATION





LIFE SCIENCES CAMPUS – INFECTIOUS DISEASES

Parasitology/Virology/Bacteriology

- Host-pathogen research models
- Preclinical discovery of drugs, vaccines & diagnostics
- Microbial evolution & antimicrobial resistance ((meta)genomics)

HyCAbs

Hybrid platform for single domain antibodies

ECRAID/Labnet

Service platform for microbial analysis of clinical samples

First-void urine

Diagnosis, screening and monitoring infectious diseases and vaccines



University of Antwerp
Vaccinopolis

Unique facility for Ambulatory and Controlled Human Infection trials



AI-assisted neonatal intensive care



Waterscan

Wastewater-based epidemiology

CHERMID

Health economics and technology/ product assessment



Antwerp Respiratory Virus Repository

MICK MAGMA

TBC genomic analysis platform

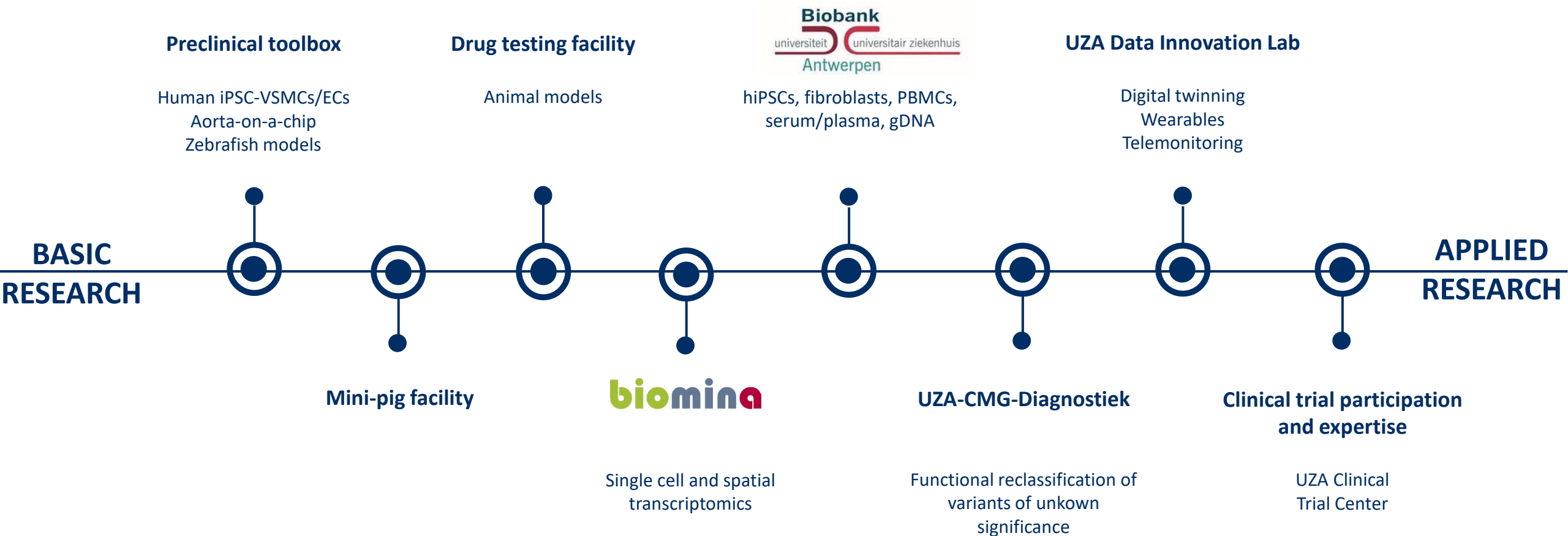
High Level Isolation Unit (HLIU)

Unique reference centre for uptake and treatment of (suspected) patients &
Fili-Vi-X

Prepare First Line health care workers for 'virus X'

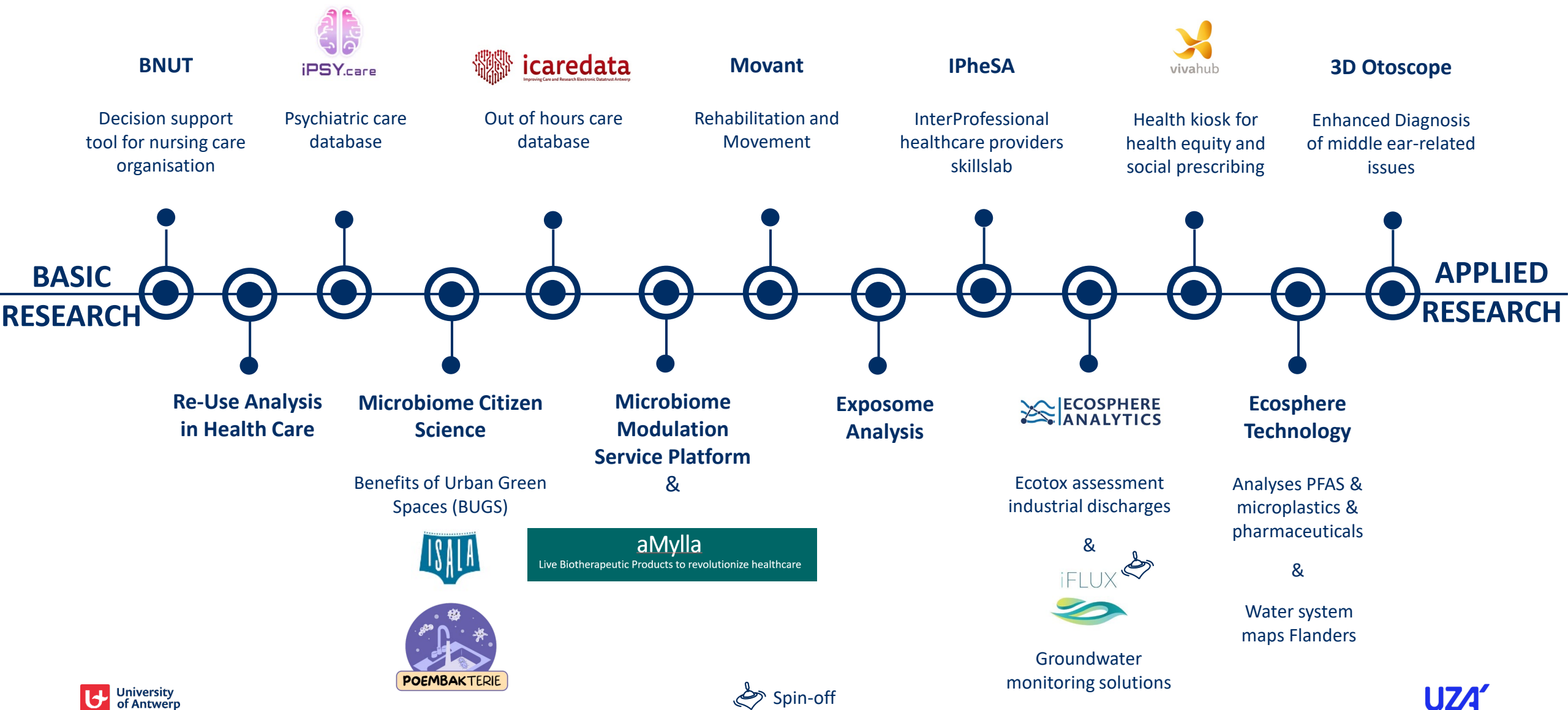


LIFE SCIENCES CAMPUS – CARDIOLOGY





LIFE SCIENCES CAMPUS – LIFE CARE



LIFE SCIENCES CAMPUS – relevant links

- **UAntwerp:** www.uantwerpen.be/en/research
 - Centers of excellence: www.uantwerpen.be/en/research/research-overview
 - Core facilities: www.uantwerpen.be/en/research/publications-and-expertise/core-facilities/
 - License offers: www.uantwerpen.be/en/research/info-for-companies/offer-for-companies/licence-offers
 - Service offers: www.uantwerpen.be/en/research/info-for-companies/offer-for-companies/service-offers
 - Spin-offs: www.uantwerpen.be/en/research/info-for-companies/spin-offs-uantwerp/
 - Technology consortia: www.uantwerpen.be/en/research/info-for-companies/offer-for-companies/expertise-technology
- **UZA:** www.uza.be/en/research-innovation-and-valorisation
 - Phase 1 Clinical Trial Unit: www.uniccra.be/
 - Clinical Trial Center: www.uza.be/nl/specialismen/clinical-trial-center-ctc
 - Biobank: www.uza.be/nl/onderzoek/biobank-antwerpen
 - UZA Foundation: www.uzafoundation.be/nl

**Together shaping a
resilient healthcare future**



**University
of Antwerp**

UZA'

