

VIB-Grand Challenges Program

VIB's mission

Frontline life sciences research
“Excellence in Science”

Translate results into benefits for society
“Excellence in Tech Transfer and Entrepreneurship”

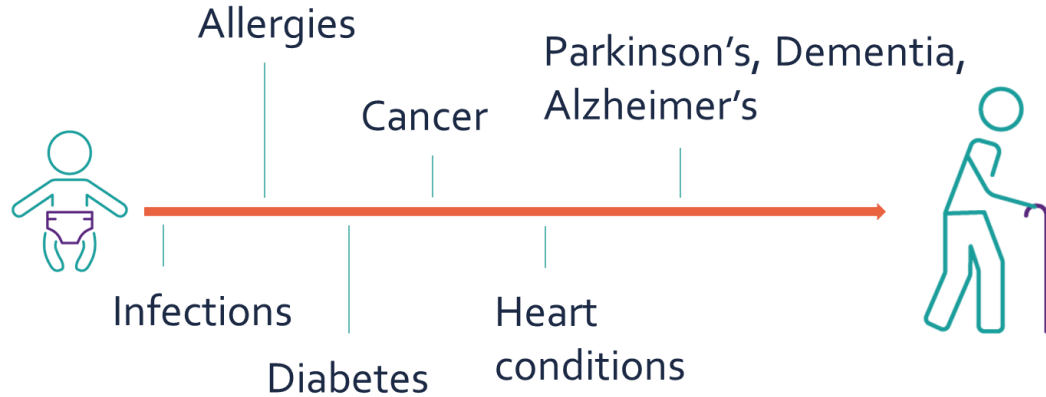
Public outreach
“Excellence in Science communication”

VIB 2019

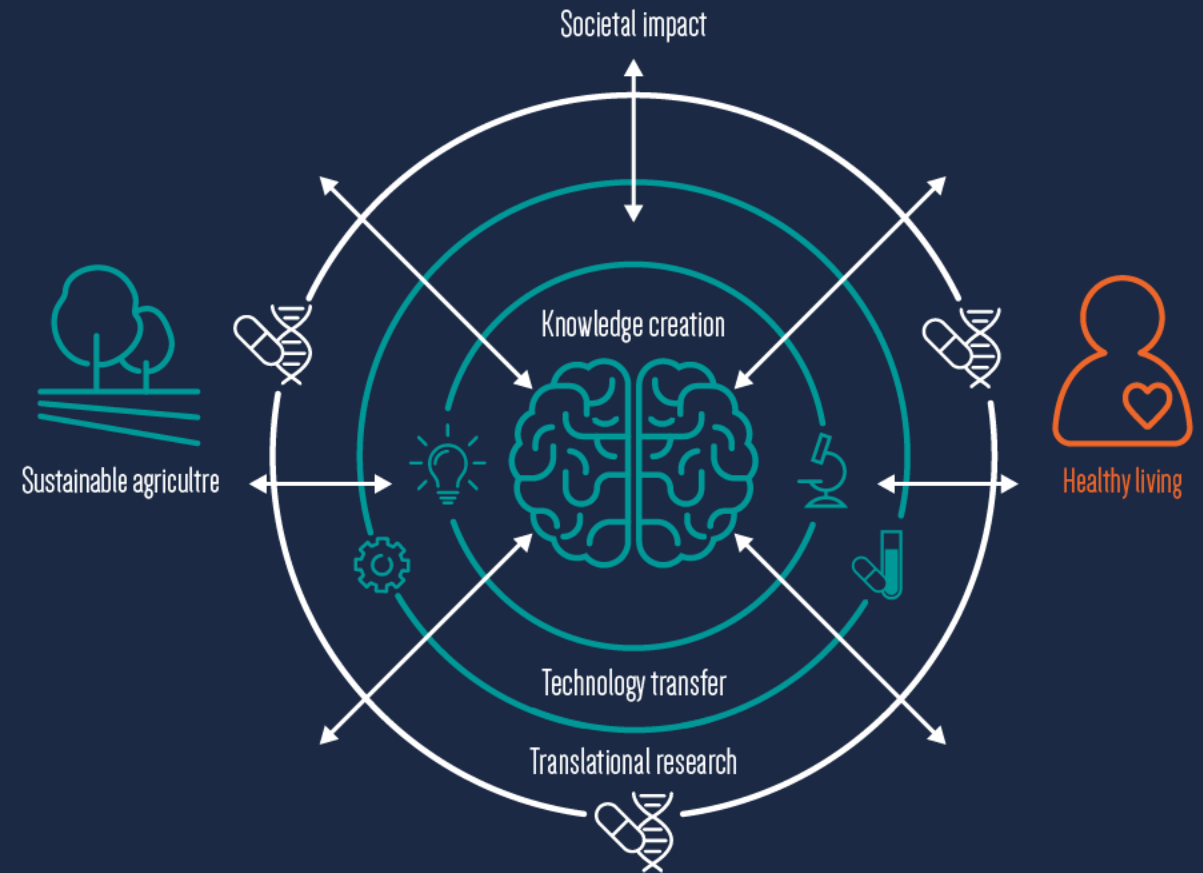
- ▶ 5 universities
- ▶ 1,608 FTE
- ▶ 76 nationalities
- ▶ 8 research centers
- ▶ 81 research groups
- ▶ 10 core facilities



VIB – from impact in science to societal impact



PREVENT, IDENTIFY & CURE!



VIB – from **impact in science** to **societal impact**



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



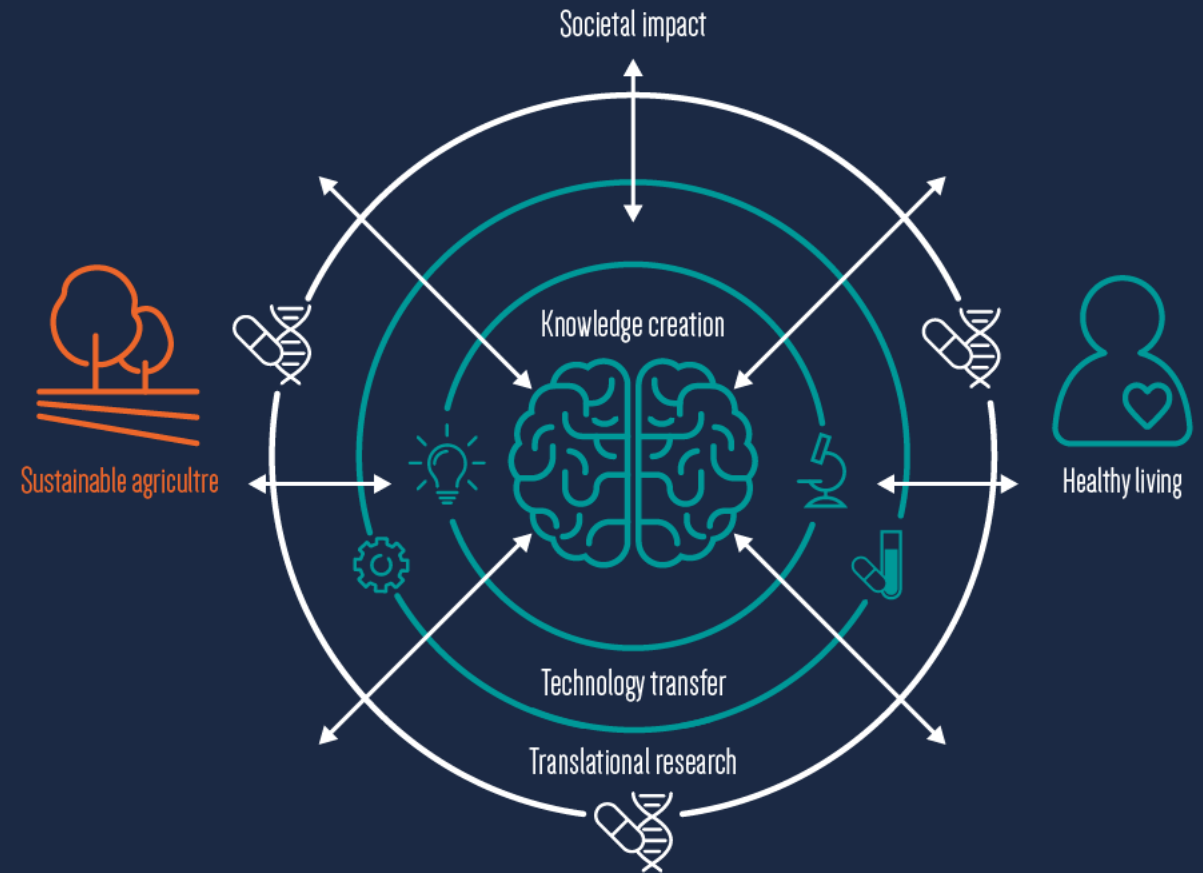
Climate change



Safekeeping of nature



Use less water



I. SUSTAINABLE DEVELOPMENT GOALS

VIB'S GRAND CHALLENGES PROGRAM
IS INSPIRED BY 3 UNITED NATIONS
SUSTAINABLE DEVELOPMENTS GOALS:



VIB GRAND CHALLENGES PROGRAM

Goal:

- ▶ Structurally support **translational** and/or disruptive research programs around a specific '**grand challenge**'

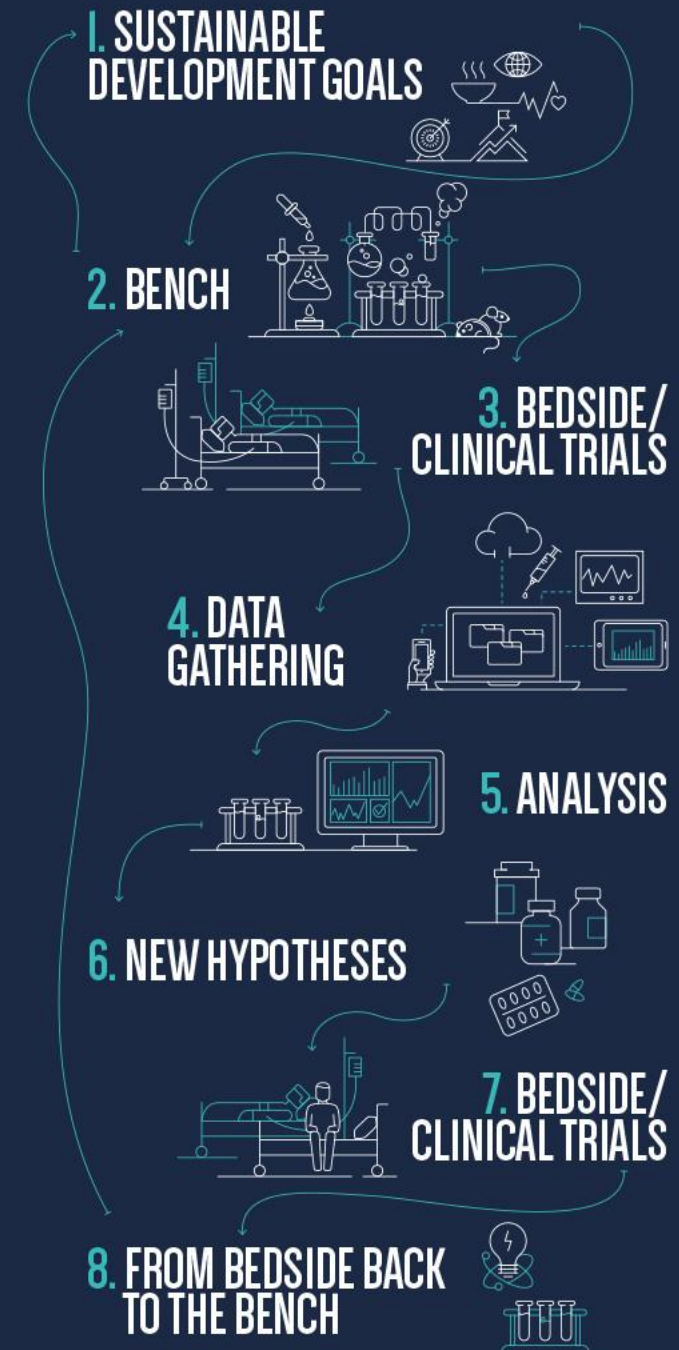
Key features:

- ▶ **Bottom-up** funding
- ▶ Joining forces beyond borders and **trans-disciplinary**
- ▶ Projects are **translational** with a clear technology transfer potential
- ▶ **Societal impact** and outreach

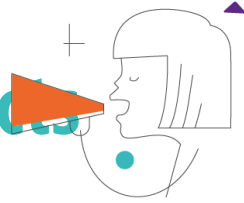


HOW DO WE DO THIS?

- ▶ Innovative molecular-diagnostic paradigms
- ▶ Innovative treatments
- ▶ Personalized/targeted treatment strategies
- ▶ Epidemic control
- ▶ Sustainable agriculture



Call for projects



- ▶ Consult external experts, stakeholders & public/patients
 - ▶ Identify need/ research question
 - ▶ Funding: 2,5 M€ + own leverage funding
 - ▶ Collaboration + knowledge transfer
- proof-of-concept data available or in 6 months (go-nogo)
- deliverables/breakthroughs within 3 year timeframe



FOCUS ON
NEW TECHNOLOGIES
+ IMPROVE
QUALITY OF LIFE
OF PATIENTS/CONSUMERS



UNTIL NOW...

- ▶ **First call** launched in 2017
 - Projects started 2018 and will continue to 2021
- ▶ **3 projects** selected:



Overcoming the main current
diagnostic challenges in
hepatology practices



Improving **immune checkpoint
inhibitor response** by single cell
integrative multi-omics of the
tumour ecosystems



Translational science
initiative on **primary
immune deficiencies**

UNTIL NOW...

- ▶ Second call launched in 2018
- ▶ 3 projects selected:



Inducing drug-free remission by
early treatment of
spondyloarthritis



Targeting drugs beyond the
blood-brain-barrier: new routes
to treat *brain disease*



Microbiota modulation
strategies in
*Inflammatory Bowel
Disease (IBD)*

VIB-GCP Call 2

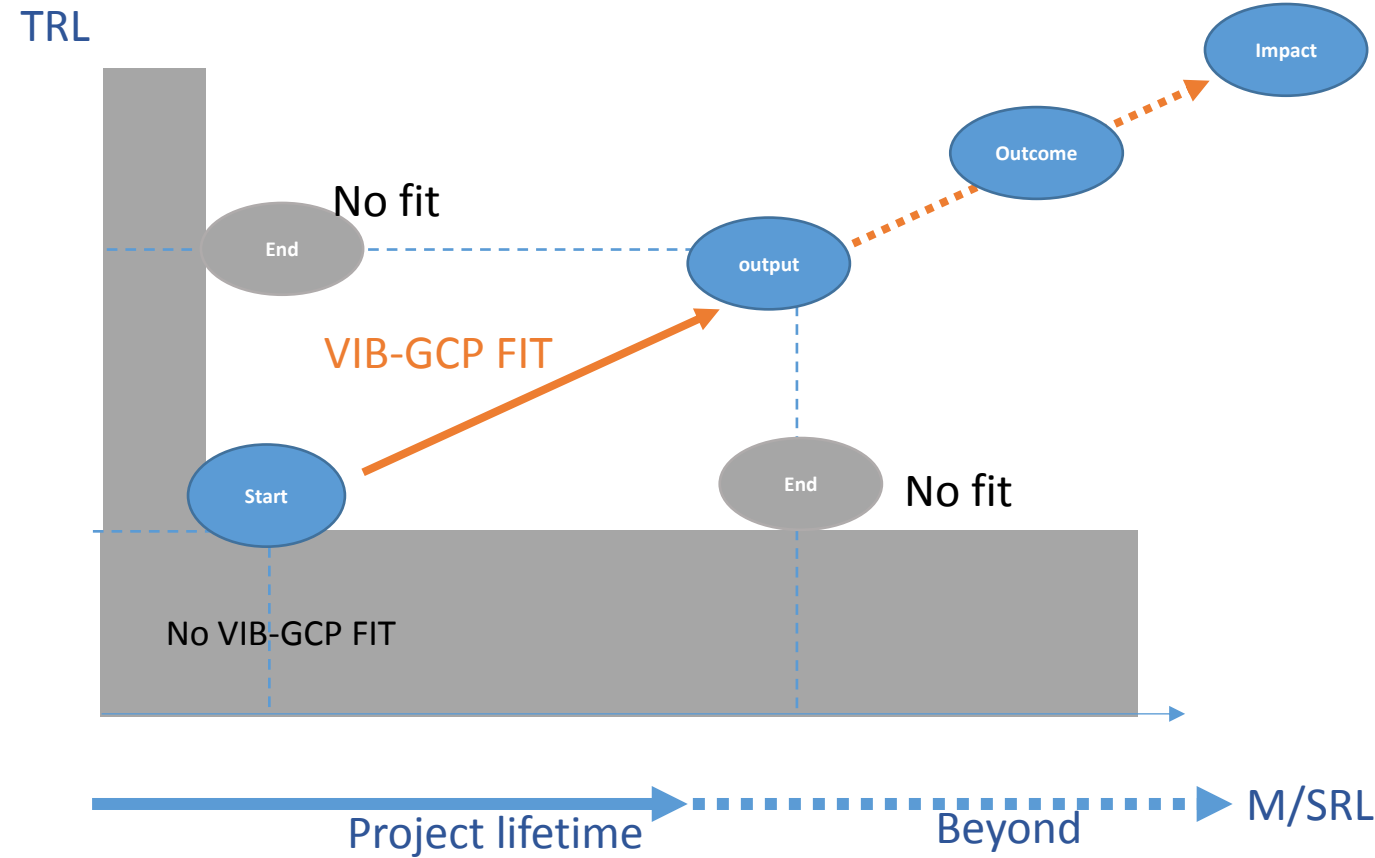
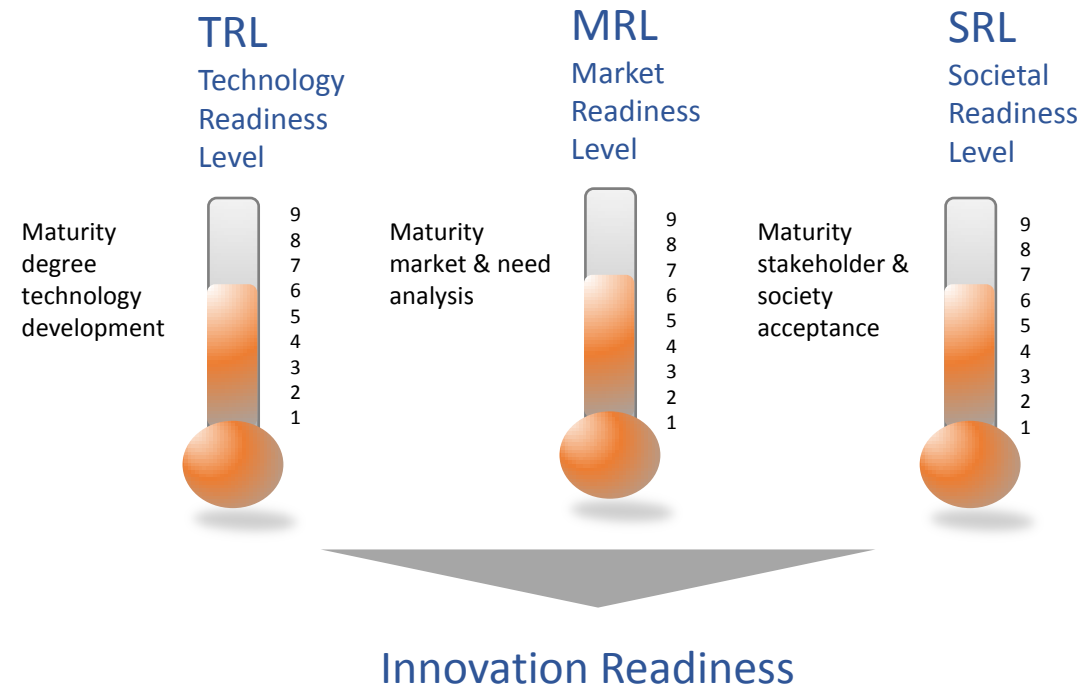
Review procedure

2 step evaluation process:

- ▶ Written review:
 - Scientific experts
 - Societal experts
 - Rebuttal
- ▶ Panel review
- ▶ Decision of the board of directors

VIB-GCP Call 2

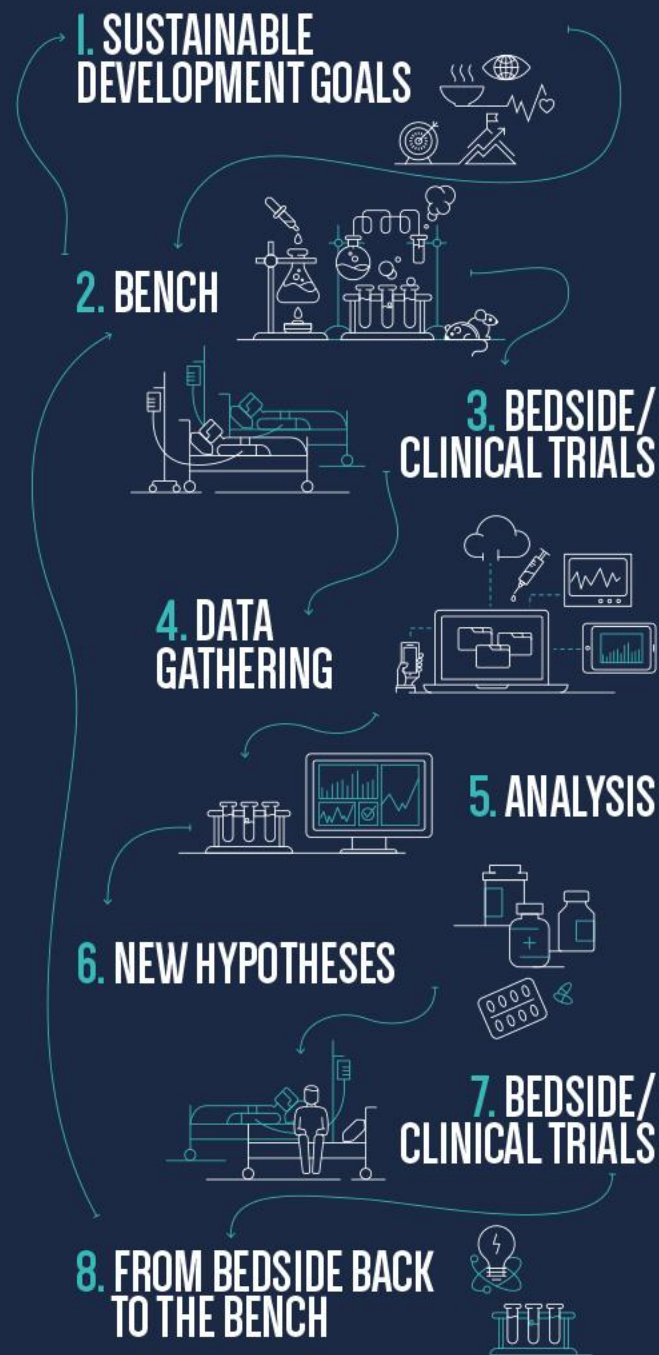
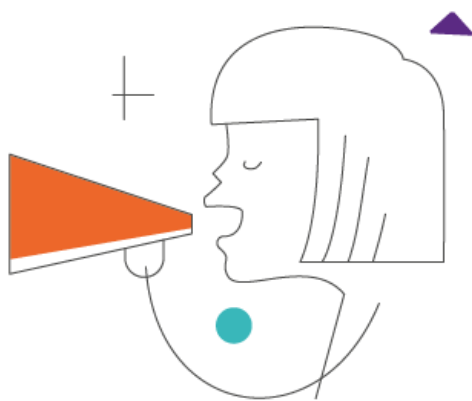
Towards Societal Impact



IN THE PIPELINE...

► 2019 - 2020

- Call 3 launched
- Outreach activities planned



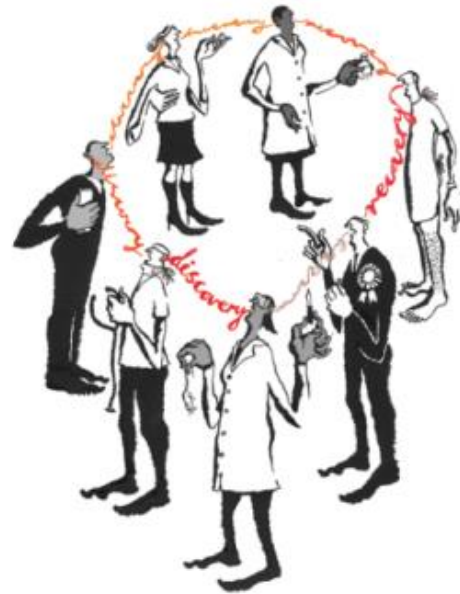
Outreach



engagement (information) vs.

involvement (consultation) vs.

participation (collaboration)



DE WERELD VAN PID

- Betere diagnoses zoeken
- Efficiëntere therapieën ontwikkelen
- Nieuwe onderzoekerspistes

Uitnodiging voor patiënten & familie
ZONDAG - 17 maart 2019

Wetenschappers van VIB, UZ Gent en UGent ontvangen u met veel plezier om inzicht te geven in hun onderzoek naar Primaire Immundeficiënties

Krista Bracke, ex-radiopresentatrice en zelf PID patiënte, zal er ook zijn.

"In 2009 sukkelde ik constant met longontstekingen. Niemand kon dit verklaren, tot professor Bart Lambrecht me in het UZ Gent vertelde dat ik een immuunstoornis heb en dat er een levensreddende therapie bestaat! Professor Lambrecht doet onderzoek naar PID bij VIB (Vlaams Instituut voor Biotechnologie) en UGent. Op 17 maart stelt hij zijn labo open. Zie ik jou daar ook?"

VOORMIDDAG
Wetenschappelijke info
Rondleiding in labo
Ronde-tafelgesprek
Proefjes & demonstraties | KIDS ONLY

WANNEER
9u45 - 13u15
Lunch voorzien tussen 12u15 - 13u15

WAAR
UGent-VIB Onderzoeksgedebouw FSVM
Technologiepark 71
9052 Gent

NAMIDDAG
Clowns Arjoentje & Stef
Jeugdkoor Vox Musica
Fins circusgezelschap Wise Fools
Retroband The Covettes

WANNEER
14u30 - 18u00

WAAR
Cultuurcentrum De Spil
Hippoliet Spilleboudreef 1
8800 Roeselare

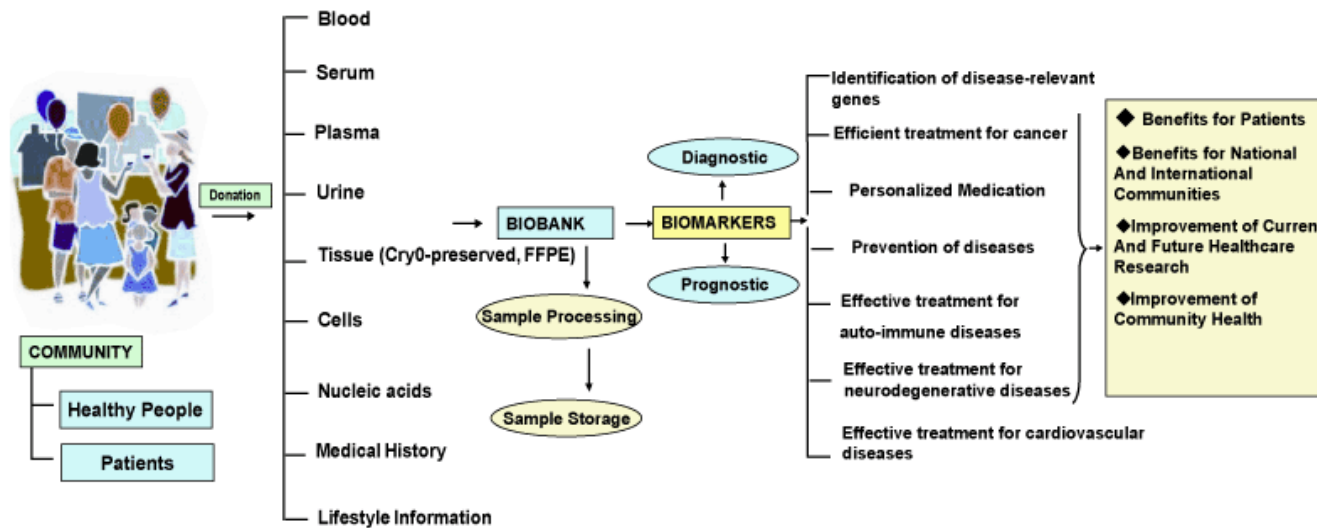
Voormiddag €5
Hele dag €10,
Inschrijven verplicht.

Opbrengsten t.v.v.
Bubble ID (Fonds
centrum voor
PID Gent)



Capabilities @VIB-GCP

FAIR sharing



Contact



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