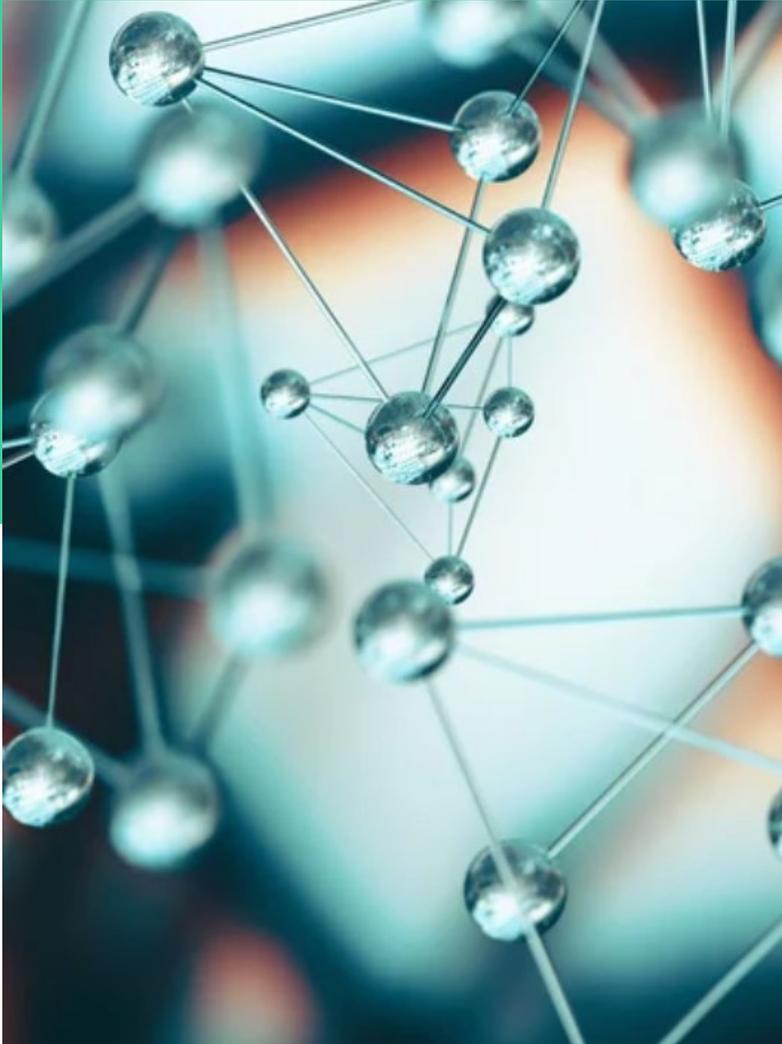


# LAB-Net

An introduction to the global laboratories network specialised in clinical microbiology and infectious diseases



# What LAB-Net stands for



Our centrally-coordinated, warm-base network of laboratories aims to reduce the burden of infectious diseases and improve pandemic preparedness worldwide

We have **3 core activities:**

- Trial services
- Diagnostic tests
- Biobank

# Our 3 core activities



## 1. TRIAL SERVICES

From assistance in protocol development to final analysis. Both academic and industry research.



## 2. DIAGNOSTIC TESTS

Support in diagnostic test development, evaluation and appropriate application.



## 3. BIOBANK

Collection, storage and sharing of One Health biological specimens and associated data.

# 1. OUR TRIAL SERVICES



## WE GIVE YOU STUDY SUPPORT

- Input for **study protocol development**, **CRO** or **diagnostic test selection**
- **Site selection** and **study specific training**
- Sample collection and management **manuals**
- **Preparing** and **shipping** sample kits and study material
- **Biobanking** samples and strains
- **Sample** and **strain analyses**

## WE ENSURE GOOD QUALITY

- **Uniformization** is key
- **EQA** panel
- **GCLP** Training
- **Data** collection and inventory
- Laboratory **performance indicators**

## WE SHARE OUR KNOWLEDGE

- **Communication** and **dissemination**
- **Training**
- **Lab manuals** and **protocols**
- **Interpretation lab results**

## 2. OUR DIAGNOSTIC TEST SERVICES



1. Development
2. Selection
3. Validation
4. Correct application

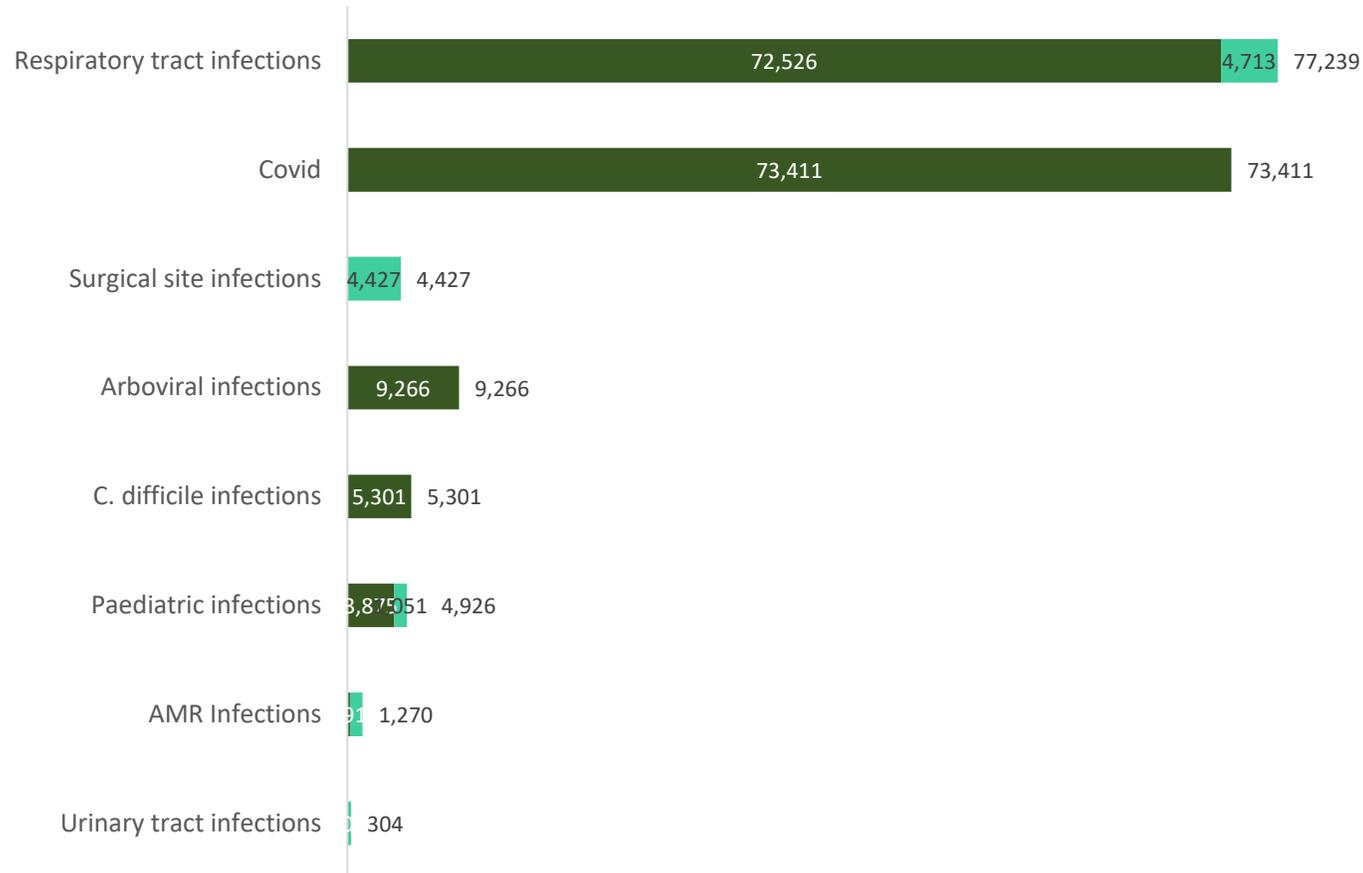


**EXAMPLE: GeneXpert (Cepheid)**

# 3. OUR BIOBANK

## Collected for our biobank

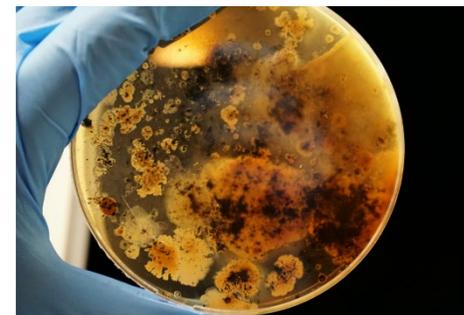
■ # Samples collected    ■ # Isolates collected



### At LAB-Net central laboratory



**Nearly 170.000 samples collected**



**+ 11.600 isolates collected**

## We offer these services to



- **Pharmaceutical & diagnostic companies**
- **Universities**
- **NGO's**
- **European clinical trial networks and funders**

# Your benefits when working with LAB-Net



## Fast reaction

not only during the start-up phase

## High quality and flexibility

## Reproducible results

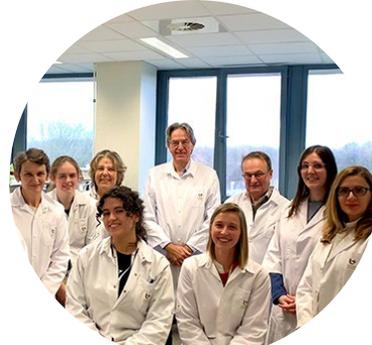
over time and between countries

# How we achieve this



## 1. OUR NETWORK

- Worldwide coverage
- 1 central coordination center
- Warm base
- Carefully selected and highly trained laboratories (e.g. Good Clinical Laboratory Practice, external Quality assessment panels and laboratory assessment indicators)



## 2. OUR PEOPLE

- Experienced staff with a strong scientific background
- Ready to give you advice and interpret lab results when needed
- Lots of AMR experience



## 3. OUR APPROACH

- One contact person, from the beginning until the end
- From top-notch advise to operational excellence
- On-site training of laboratories
- Uniform procedures and equipment for all countries

# Our network: 75 countries worldwide

## EUROPE

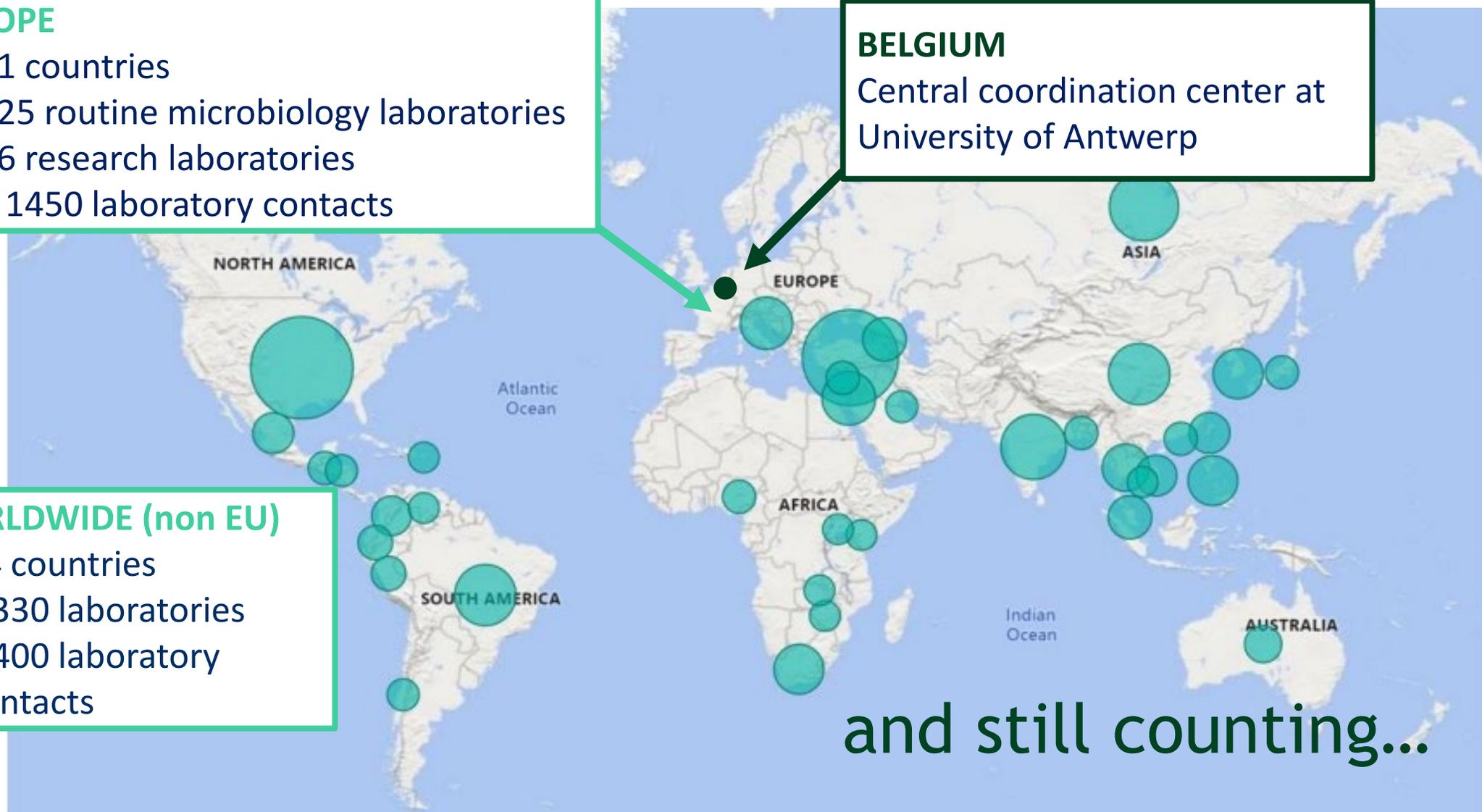
- 41 countries
- 925 routine microbiology laboratories
- 16 research laboratories
- + 1450 laboratory contacts

## BELGIUM

Central coordination center at University of Antwerp

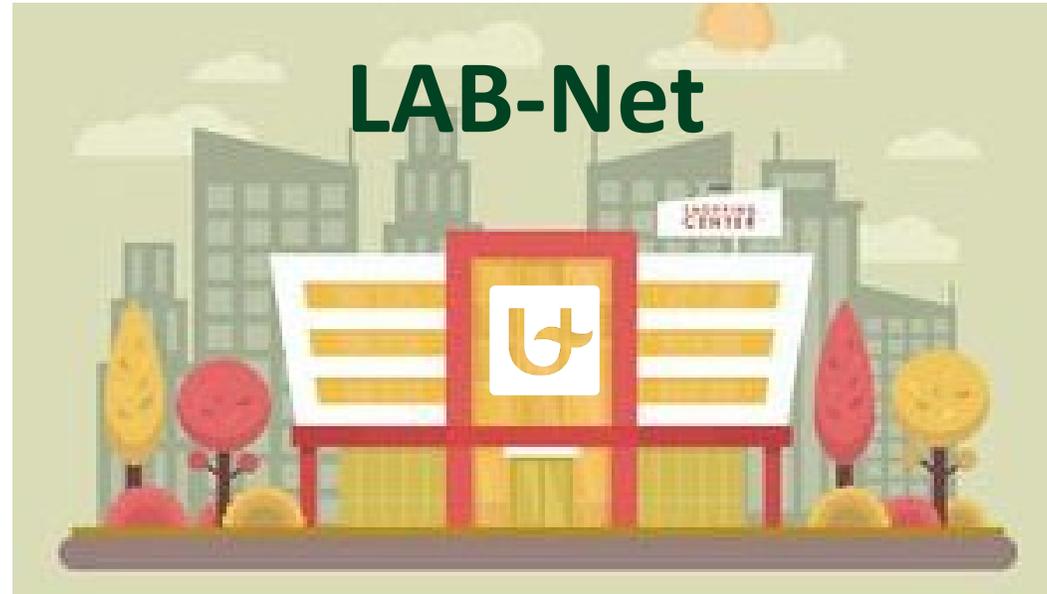
## WORLDWIDE (non EU)

- 34 countries
- + 330 laboratories
- + 400 laboratory contacts



and still counting...

# Our network: 3 types of labs, all managed centrally



**ROUTINE DIAGNOSTIC  
LABORATORIES**



**CENTRAL LABORATORY**



**SPECIALIZED RESEARCH  
LABORATORIES**

# The 3 different types of laboratories in our network



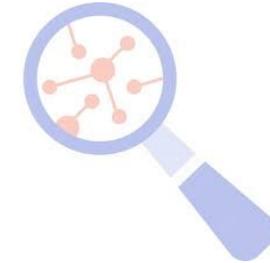
## 1. ROUTINE DIAGNOSTIC LABORATORIES

- Sample and strain collection, testing, storage and shipping
- Study-specific diagnostic support
- Capacity building activities (participation in EQA panel testing & TGLP training)



## 2. CENTRAL LABORATORY

- Preparing and shipping study materials (e.g. manuals, sample kits)
- Biobanking
- Analyzing samples and strains
- Training (study specific, EQA, GCLP)

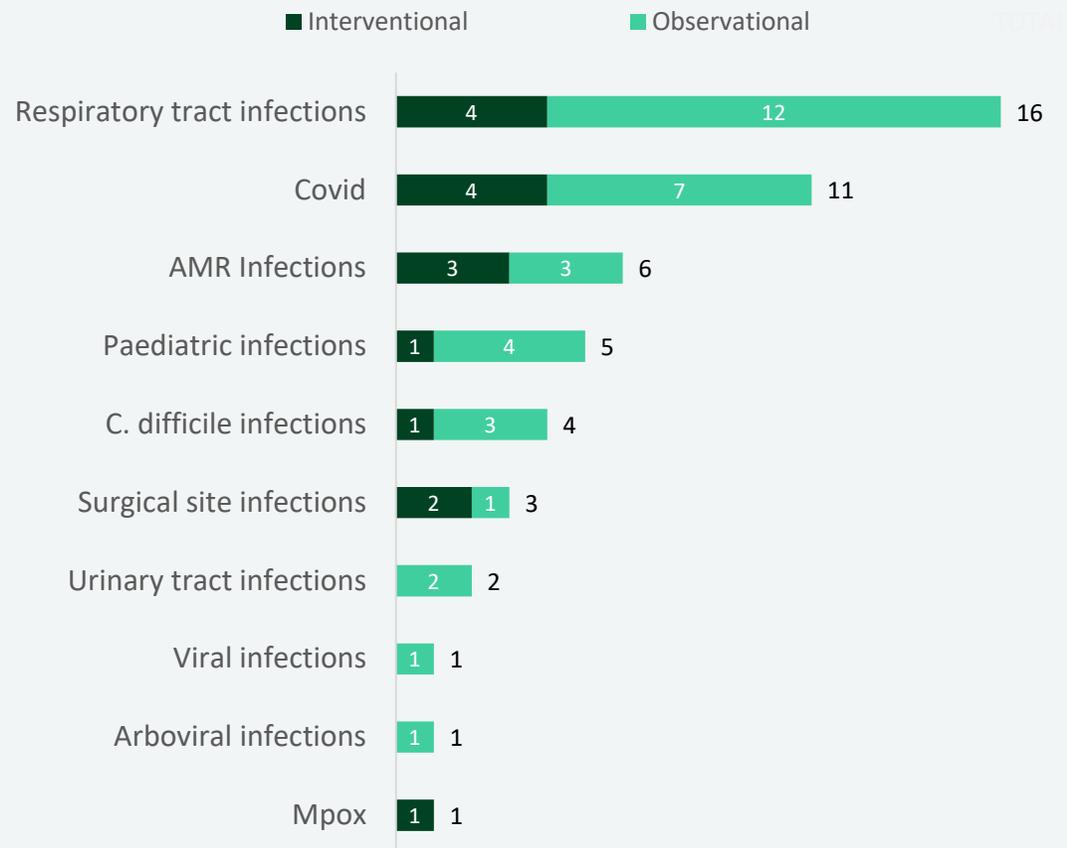


## 3. SPECIALIZED RESEARCH LABORATORIES

- Exploratory work
- Biobanking

# Experience: we support many different kind of studies

## Overview of type of studies



**50 studies**



**+ 31.000 patients**



**46 countries**

# Experience: examples of studies we are involved in

Platform for European Preparedness Against Re-emerging Epidemics  
**PREPARE**

**COMPARE**

**VALUE-Dx**

**EURECA**

**COMBACTE MAGNET**

**REJUVENATE**

**HONEST SAATELLITE**

**MICROCARE**

**PRUDENCE**

**OVERCOME**

**COMBACTE CDI**

**EPOXI**

Rapid European COVID-19 Emergency research response  
**RECOVER**

**ANTICIPATE**

**ORCHESTRA**

**CREDIBLE-CR**

**REVISIT**

**REJUVENATE**

**ecraid**

Prime

**EXPECT**

**COMBACTE CARE**

**ecraid Base**

**VACCCELERATE**

**EVADE**

**PediCAP**

**MERMAIDS**  
Multi-centre European study of MAJOR Infectious Disease Syndromes

**VERDI**  
Virology

**ADEQUATE**

LAB-Net: Clinical protocol – CR0 selection – Dx test selection – Questionnaire – Site selection – Local lab manual – Sample kits and study materials – local lab training – EQA panel – Biobanking – Central lab – Research lab - ...

# Experience: different partners we work with



# LAB-Net



Is hosted by



University of Antwerp

Laboratory of Medical Microbiology  
Vaccine and Infectious Disease Institute

Is part of **ecraid**

Has partnerships with Penta & GARDP

# The LAB-Net team leads



**Herman Goossens**  
Founder & Lead



**Surbhi Malhotra-Kumar**  
Lead



# The experts in our LAB-Net team



Em. Prof. Dr. Herman Goossens  
Lead LAB-Net



Prof. Dr. Surbhi Malhotra  
Kumar



Em. Prof. Dr. Youri  
Glupczynski



Em. Prof. Dr. Greet Ieven



Christine Lammens,  
Laboratory Manager



Leen Timbermont, PhD  
Senior Researcher



Biljana Kakaraskoska  
Boceska, MD, MPH,  
Senior Researcher



Katherine Loens, PhD  
Senior researcher



Amber Van Dongen  
Quality Manager

# Want to know more? Contact us!

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