



CER Groupe

contributions to TOOL-03

NICOLAS Emilien

R&D *In vitro* Preclinical Manager

[cergroupe.be](https://www.cergroupe.be)

+32 (0) 84 220 213

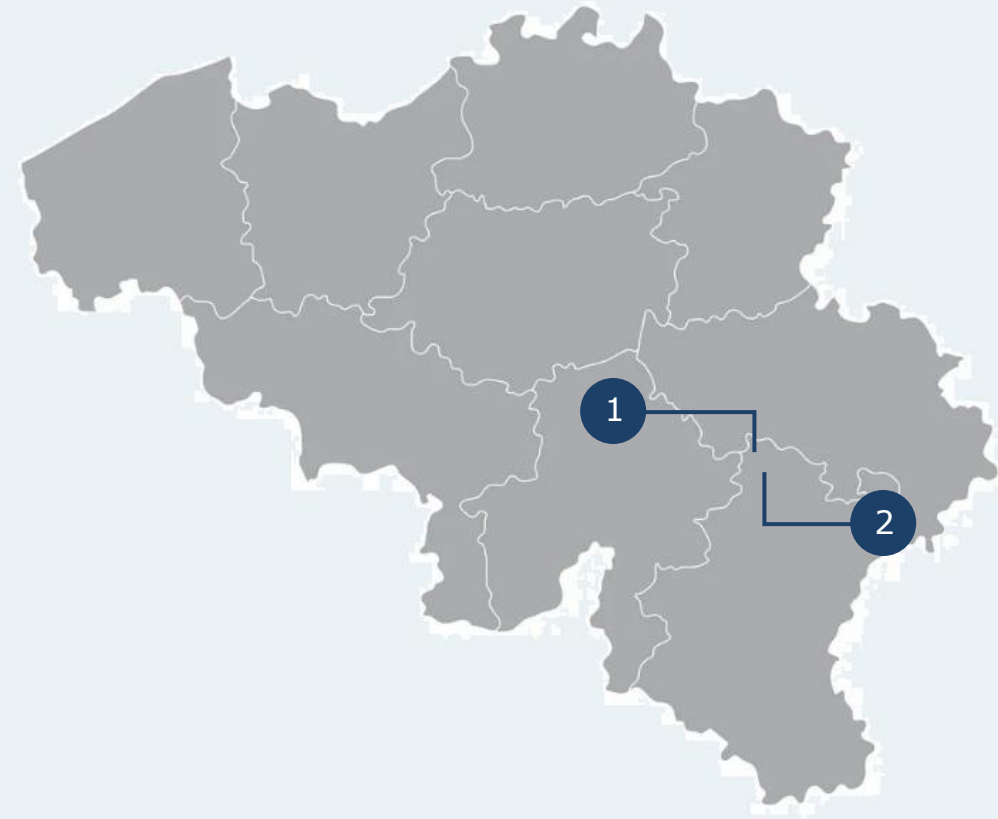
e.nicolas@cergroupe.be

Strategy

CER Groupe is a collective Research Center supporting human & animal health by providing products, research and services to companies active in the Biotech, Medtech, and Agrotech sectors



Belgian Life Sciences dedicated Collective Research Center



Since **1977**



200+ people



15000 sqm

Status & Missions

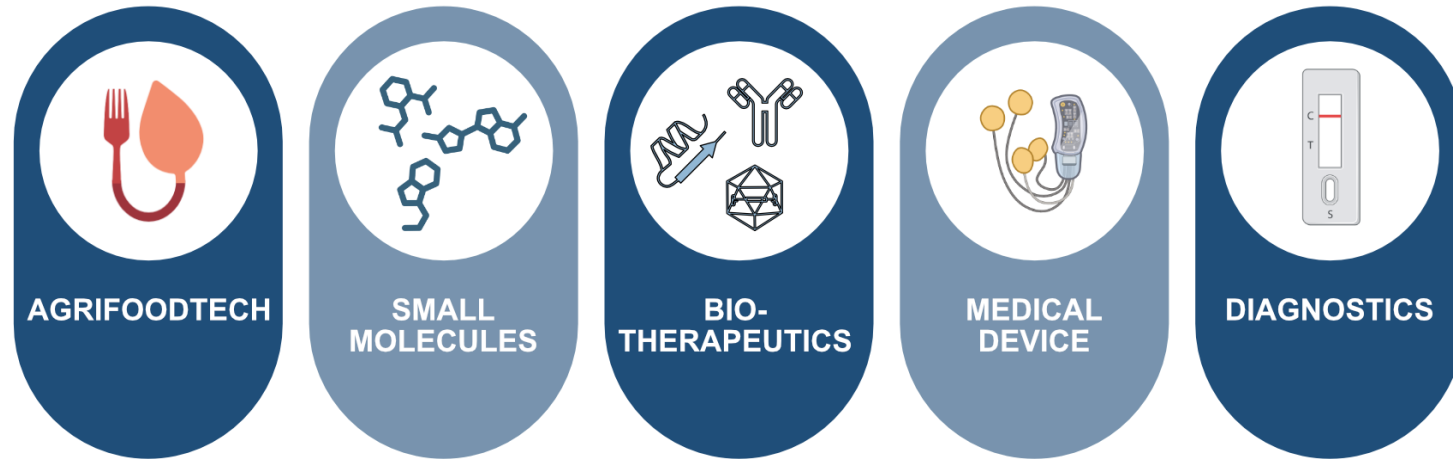


CER Groupe is a non-profit foundation with key missions:

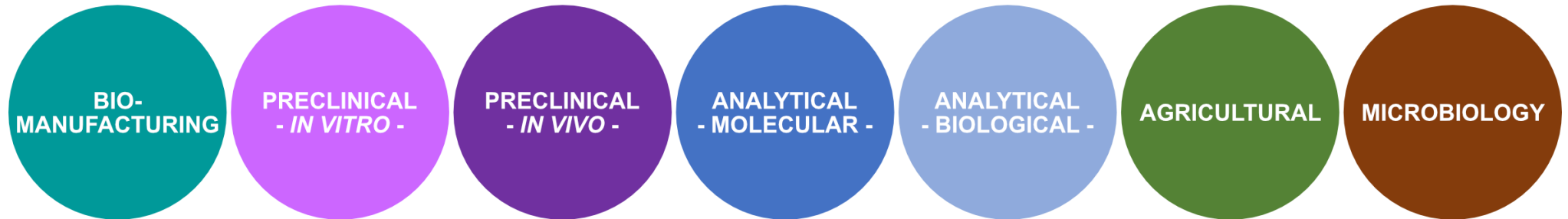
- Development of dedicated research projects to improve human & animal health
- Support of the technological and economic development of companies that operate in these sectors through tailored services

CER Groupe: a hub of multidisciplinary expertise

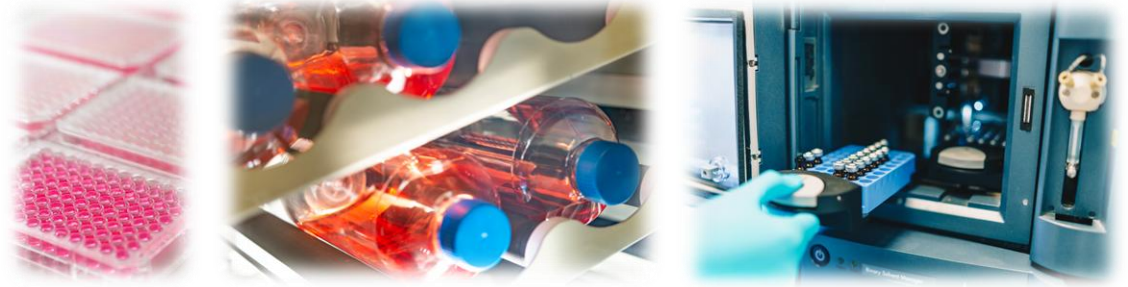
5 business sectors



7 technological platforms



From Models to Measurable Evidence



Pillar 1

In Vitro / In Vivo Cross-Validation

- Design and execution of cross-validated experimental strategies
- Translation from cellular models → animal models → biological readouts
- Disease-relevant and immunologically characterised animal models
- Integrated in vitro–in vivo correlation (IVIVC) approaches
- Mechanistic insights bridging laboratory observations to physiological relevance

Pillar 2

Advanced Analytical & Immunomonitoring

- Comprehensive immune profiling (innate & adaptive immunity)
- Safety toxicology and immunotoxicity assessment
- Target engagement, biodistribution & biomarker analysis
- Chromatography, mass spectrometry & metabolomics
- Multi-parametric functional assays and systems biology approaches

Pillar 3

Sample Access, Handling & Biobanking

- Controlled sample collection from in vivo and ex vivo studies
- Standardised sample processing, isolation, and characterisation
- Long-term storage under traceable, quality-controlled conditions
- Support for longitudinal and multi-site EU collaborative studies
- Regulatory-compliant sample management and documentation

- This representative selection demonstrates CER Groupe's versatility across diverse European funding mechanisms and research domains, from fundamental biology to clinical translation.

EU-COST

- **Cozyme** – Collaborative enzymatic and biological research network

EU-INTERREG

- **Brass'HOP BIO** – Sustainable bio-based processes
- **Tomor'HOP** – Innovation in agrobiotech
- **ANTIRESSI** – Antimicrobial resistance solutions
- **DIADeM** – Diagnostic development and validation

EU-CORNET

- **MAMBA** – Microbial and molecular bioanalysis
- **THESEUS** – Translational health and safety research

EU-FEDER

- **PEPVAC** – Analytical platform for new vaccines and immunotherapies
- **WAL'BIOIMAGING** – Advanced bioimaging platforms
- **PHENIX** – Phenotypic screening technologies
- **WALPROT** – Protein characterisation and production
- **PCIM** – Preclinical immunology models
- **HUMABS** – Human antibody development

EU-EUROSTARS

- **MULTICHIP** – Innovative analytical platforms
- **GWTF (Go With The Flow)** – Advanced testing and validation solutions

Why CER Groupe is a unique partner for TOOL-03

CER Groupe offers a distinctive combination of scientific excellence, operational integration, and collaborative experience that positions us as an ideal partner for demanding European research consortia.

1

Translational Preclinical Platform

Full integration of in vitro, ex vivo, and in vivo workflows designed to de-risk innovation before clinical stages. Our seamless experimental pipeline enables comprehensive mechanistic understanding whilst maintaining translational relevance.

2

One Organisation, Multiple Capabilities

Biology, analytics, toxicology, and biobanking under one roof. This integration reduces interfaces, accelerates decision-making, ensures consistent data quality, and provides unified project management across diverse scientific disciplines.

3

Quality & Regulatory Readiness

GLP-compliant studies and MQS-driven processes ensure data robustness suitable for regulatory submissions and industrial applications. Our quality systems provide confidence in data integrity and reproducibility.

4

Strong EU Collaboration Culture

Long-standing experience in EU consortia with demonstrated ability to adapt to collaborative, multi-partner project structures. We understand the dynamics of international research partnerships and consortium governance.

5

Independence & Scientific Neutrality

As a non-profit research centre, we serve as an objective, science-driven partner supporting consortium goals without commercial conflicts. Our independence ensures impartial evaluation and transparent reporting.





YOUR PARTNER FOR INNOVATION IN LIFE SCIENCES