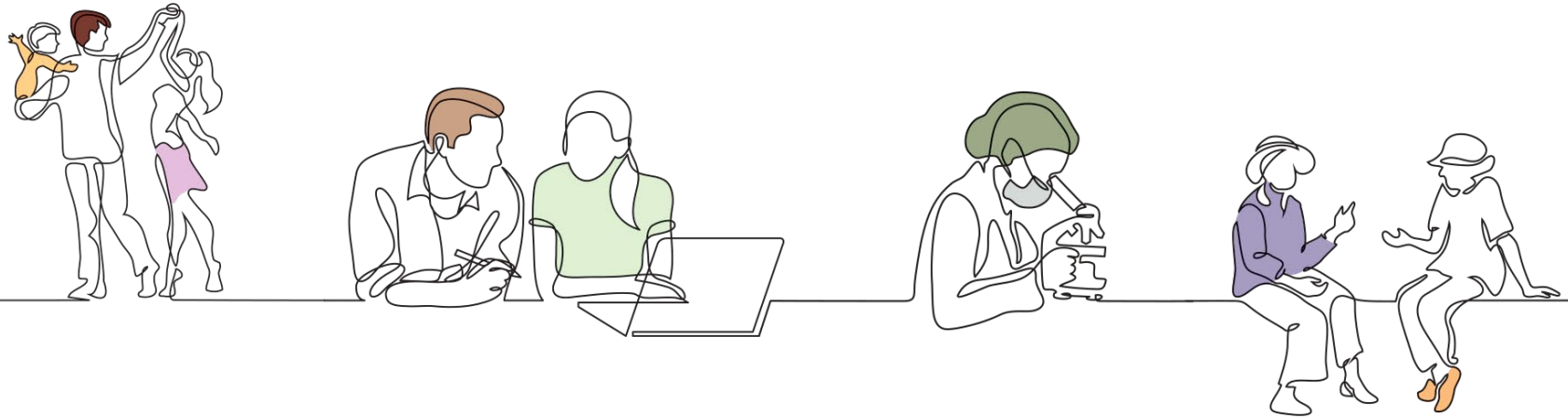


# La science pour la santé

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## From science to health



*Liberté  
Égalité  
Fraternité*



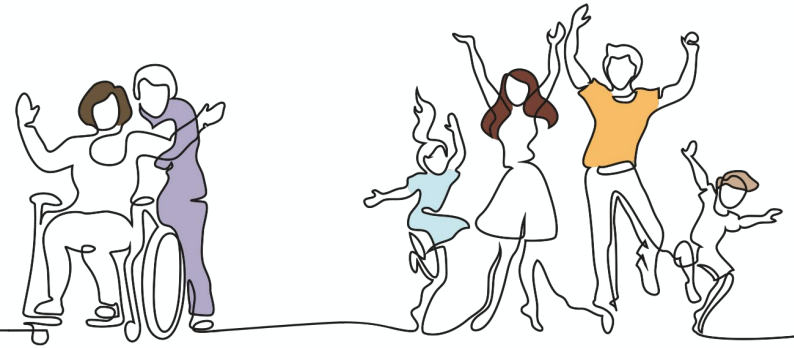
# Contents

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- Address major biomedical research challenges
- Take action to improve the health of all
- Disseminate knowledge for the benefit of all

---

# Address major biomedical research challenges





# Be a reference in biomedical research



## in Europe and worldwide

- 6,500 international cooperations with more than 100 countries
- 33 European and international research projects or networks
- 2 Inserm Units

## in France

- 263 Research Units
- 34 Clinical Investigation Centers
- 40 Service Units



## 13,803 staff

- 5,047 civil servants (2,144 researchers, ATIP-Avenir contracts included)
- 3,257 contract staff and temporary workers (incl. ATIP-Avenir contracts)
- > 45 ATIP-Avenir contracts
- 5,499 university-hospital practitioners and university staff

A budget of  
**€993 million**  
€658 million from government subsidies and €335 million from external resources



## Patents and licenses

- A portfolio of 2,069 patent families
- 110 new license agreements signed
- 326 R&D partnerships



## Be a reference in biomedical research(2)



### Worldwide and in Europe

- 9th most innovative public research organization worldwide in 2019
- No. 1 academic applicant in the biomedical sector and No. 2 in the biotechnology sector in Europe
- No. 1 European applicant in the pharmaceutical sector
- 384 H2020 contracts, 146 within the Health challenge and 35 coordinated by Inserm (No. 1 in Europe)
- 82 ERC grant recipients
- 45 Marie Skłodowska-Curie individual grants and participation in 44 innovative training networks (ITN)



### Close dialogue

with over 500 patient organizations for

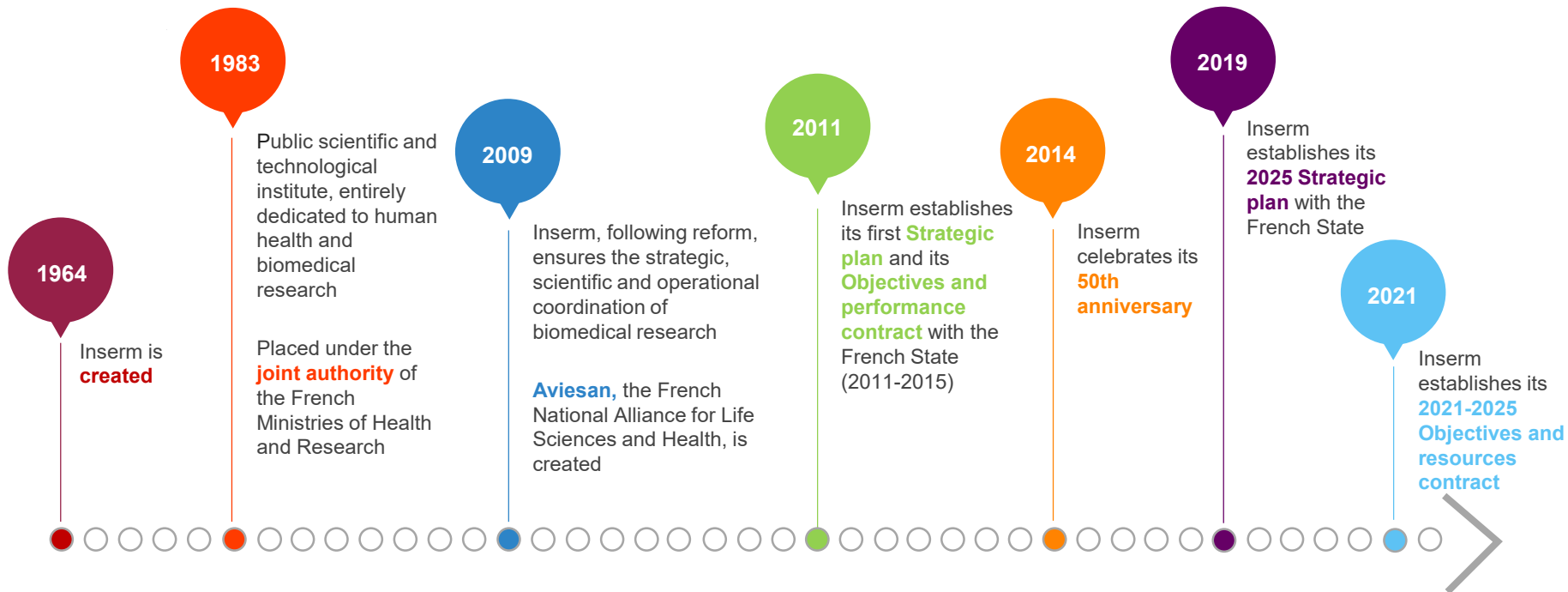
- participatory research
- meetings and debates between patients and researchers



**13,234 original articles**

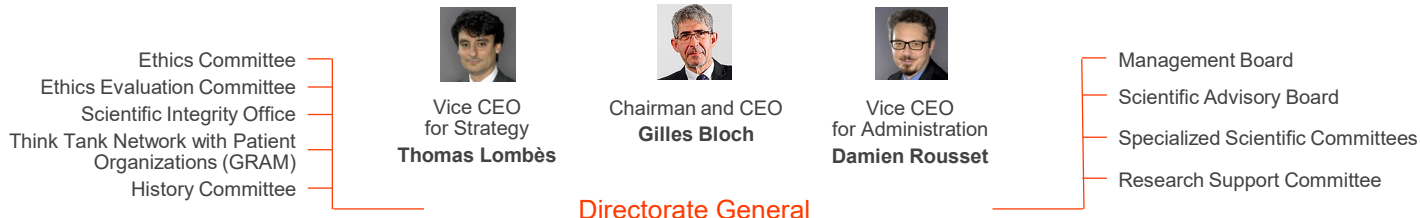


# Make changes to adapt



- Address major biomedical research challenges

# Our organization



## Thematic Institutes

- Neurosciences, Cognitive Sciences, Neurology, Psychiatry
- Cancer
- Immunology, Inflammation, Infectious Diseases and Microbiology
- Pathophysiology, Metabolism, Nutrition
- Public Health
- Health Technologies
- Molecular and Structural Basis of Living Organisms
- Cell Biology, Development and Evolution
- Genetics, Genomics and Bioinformatics

## Divisions

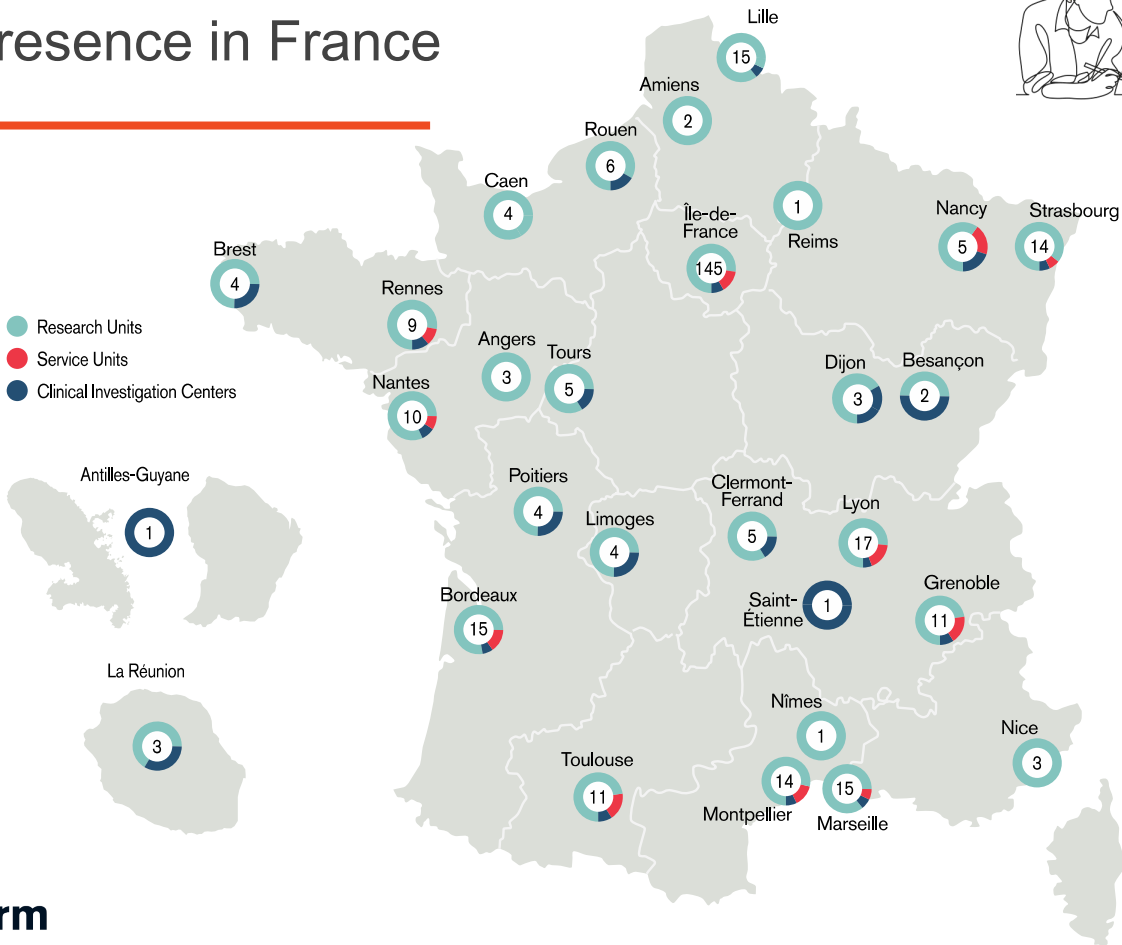
- Financial Affairs
- Legal Affairs
- Program Assessment and Follow-Up
- Scientific Information and Communication
- Partnership and External Relations
- Human Resources
- Information Systems
- Chief Accounting Department

## Regional Offices

- Île-de-France (4)
- Auvergne-Rhône-Alpes
- Est
- Grand Ouest
- Occitanie Méditerranée
- Occitanie Pyrénées
- Nord-Ouest
- Nouvelle-Aquitaine
- Provence, Alpes, Côte d'Azur and Corsica

- Address major biomedical research challenges

# Our presence in France



**261** Research Units

**34** Clinical Investigation Centers



- Address major biomedical research challenges

## Our presence in France

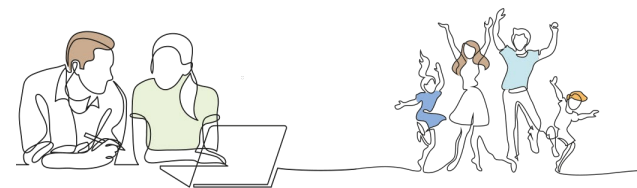


**14** Research universities in which Inserm invests more than €10M each year

**83%** of Inserm strengths

## Our main partners

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- **34** universities
- A key partner of **14** research universities in which Inserm invests more than €10M each year
- On **15** Idex and I-sites, Inserm invests 77% of its resources
- Research Units in **30** teaching hospitals
- Founding members of Aviesan alongside Inserm: CEA / CNRS / INRAE / INRIA / Institut Pasteur / IRD / CPU / CHRU and the associate members
- Other alliances: AllEnvi, Allistène, Athéna
- Industry: Astra Zeneca/MedImmune, Dassault System 3DS, MSD Avenir, Sanofi...
- Foundations and associations: Fondation Bettencourt Schueller, FRM...
- European and international academic institutions: Helmholtz...

- Address major biomedical research challenges

## Our presence in Europe



- Research teams: informal **scientific cooperation** with their partners
- Institutional **partnership agreements** and **specific collaborative networks** in Europe: 7 European laboratories within the International Research Project (IRP) program and 6 European laboratories within an International Research Network (IRN)



- Address major biomedical research challenges



# Our presence in the world

- Research teams: informal **scientific cooperation** with their partners
- Institutional **partnership agreements** and **specific collaborative networks** outside Europe: 23 non-European laboratories within the International Research Project (IRP) program and 4 non-European laboratories within 2 International Research Networks (IRN)



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# Take action to improve the health of all



- Take action to improve the health of all

# Our missions for health



Produce and disseminate knowledge nationally and internationally

Provide scientific expertise and support for science based policy in health



Create value from discoveries and their applications



INITIATE, DEVELOP  
AND COORDINATE  
BIOMEDICAL  
RESEARCH OF  
EXCELLENCE

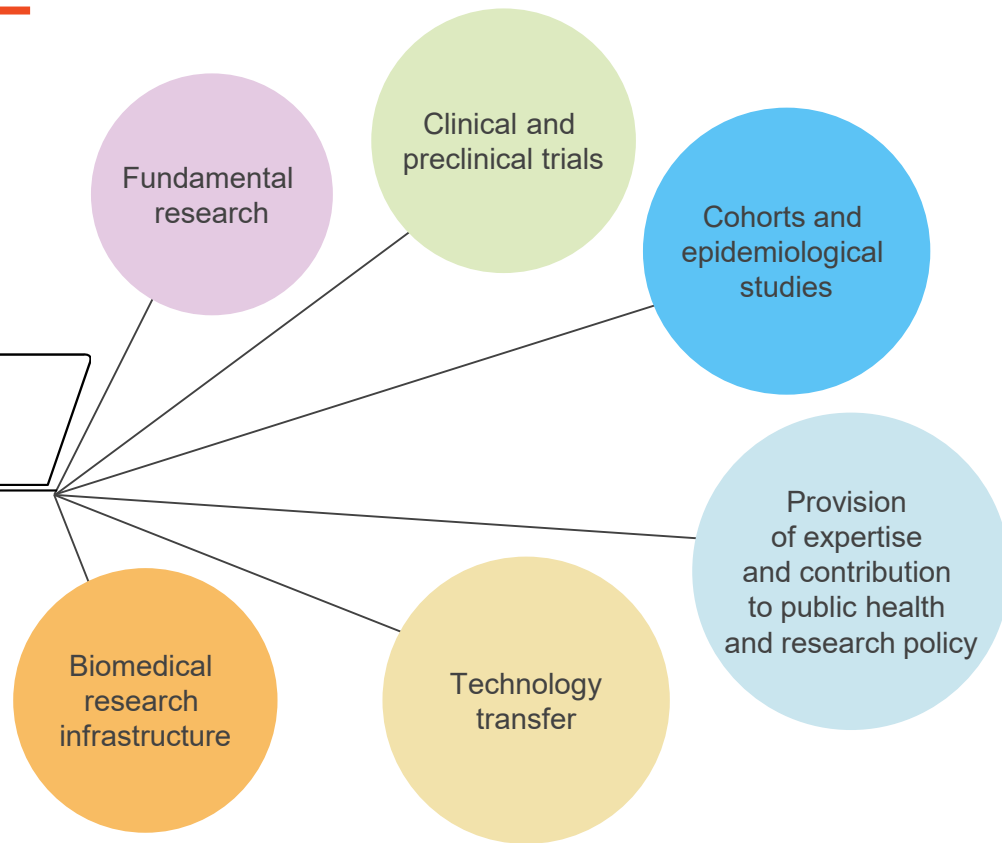


Play a major role in the national coordination of health research

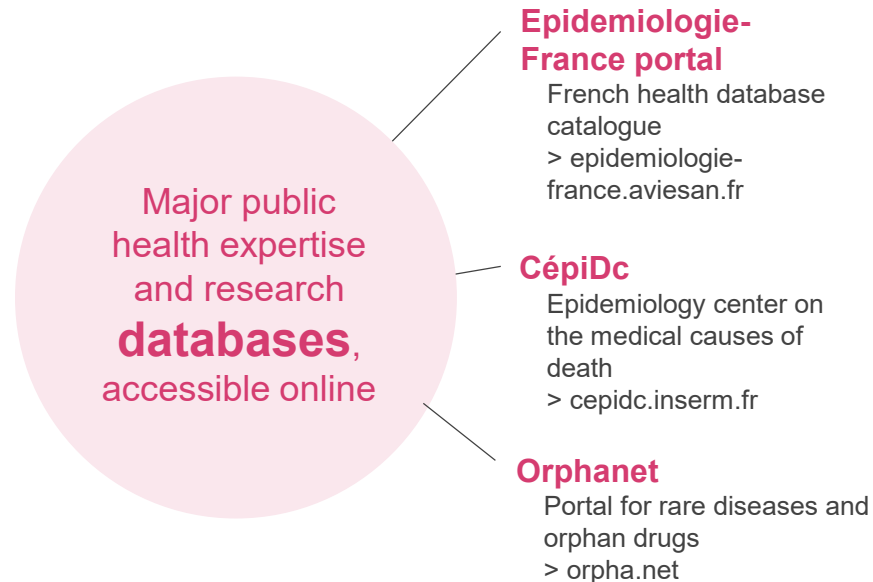
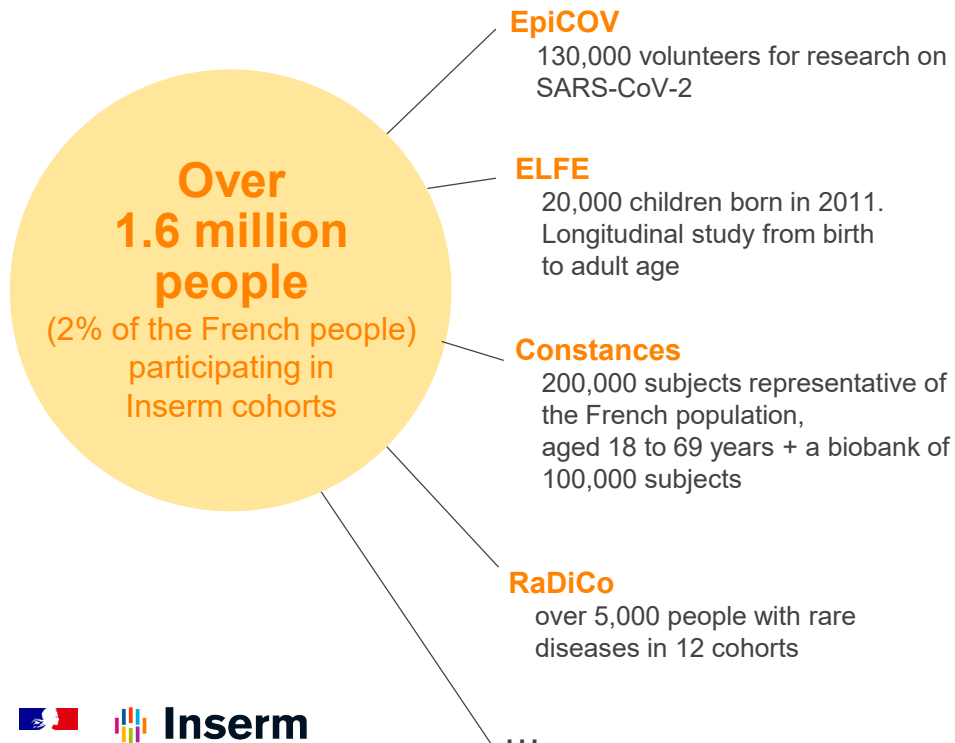


Support higher education and research training

# Our fields of activity and expertise



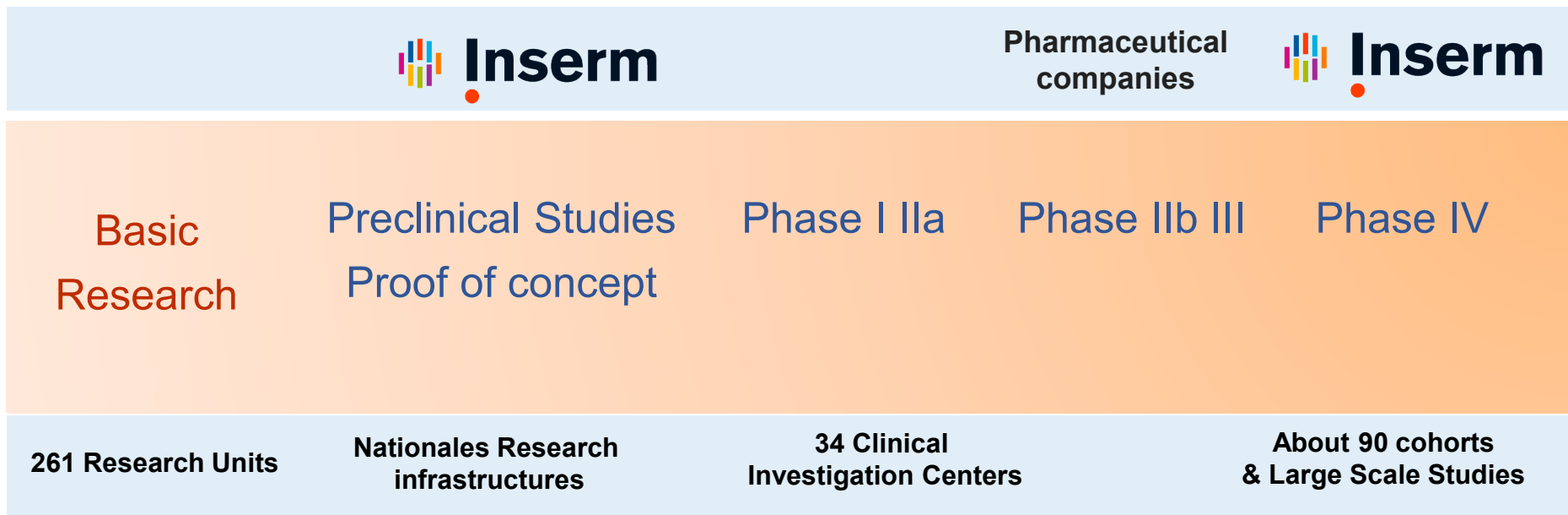
# Cohorts and epidemiological studies





- Take action to improve the health of all

# A continuum from basic to clinical, therapeutic, and public health research



- Take action to improve the health of all

## Value creation activities which are bearing fruit



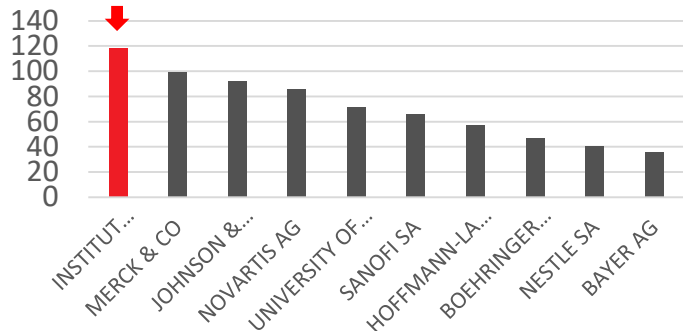
- **2,069** patent families portfolio
- **147** new patent families in 2020
- An annual budget of **€1.4 M** to fund project maturation or proof of concept
- A maturation budget reaching **€20.3 M** invested in 307 projects since 2009
- **€408 M** industrial partnerships since 2006 incl. **€37.3 M** in 2020 (1/3 patent licensing, 2/3 research contracts)
- **€6-12 M** per year from licensing agreements
- Over **400** technologies available for licensing
- Strategic alliances with, for example: Astra Zeneca/MedImmune, Dassault System 3DS, MSD Avenir, Sanofi
- 10 start-ups created each year via Inserm Transfert (Inserm's subsidiary)
- Partnerships with SATT





# Inserm/Inserm Transfert in 2020 rankings

1<sup>st</sup> in the European pharmaceutical sector

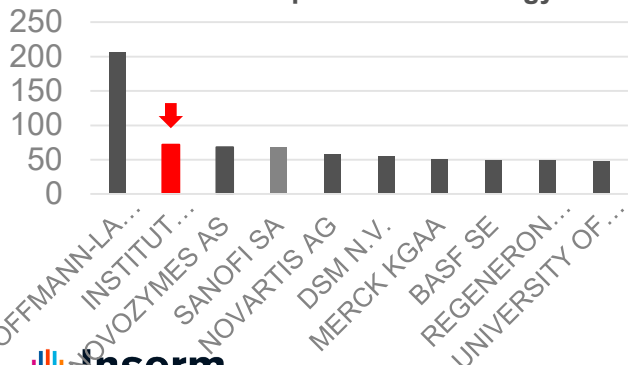


- 1<sup>st</sup> patent applicant at EPO in pharmaceuticals (5<sup>th</sup> year)\*
- 2<sup>nd</sup> in the biotechnology sector (1<sup>st</sup> year)\*
- 1<sup>st</sup> research academic institution in the biomedical sector \*
- 2,069 patent families as of 31/12/2020

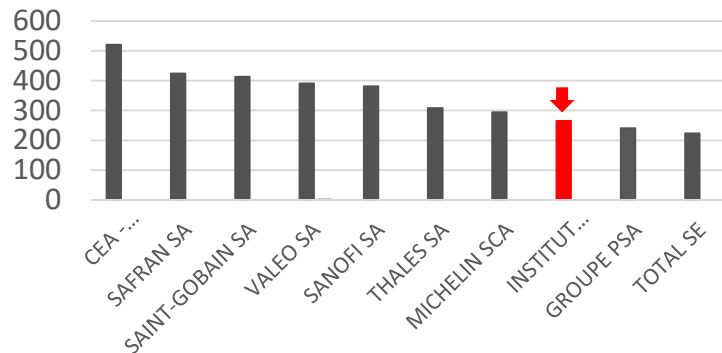
\* *European Patent Office (EPO) 2020 rankings*



2<sup>nd</sup> in the European biotechnology sector



8<sup>th</sup> in France all sectors represented

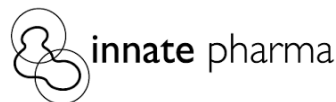


- Take action to improve the health of all



# Inserm Transfert: partnering with industries

SOME OF OUR INDUSTRIAL PARTNERS: Privileged partner of major industrials, mid-size, SME, involved in human health, at the international level



- Take action to improve the health of all

# Inserm spin-offs based on inventors as drivers



**ACTICOR**  
BIOTECH

**BRAINVECTIS**

**eyevensys**

**GenSight**  
BIOLOGICS

**HORAMA**  
LA THÉRAPIE GÉNÉRIQUE DÉDIÉE AUX MALADIES RARES DE L'ŒIL

**inotherys**  
smart treatments for complex diseases

**PEP-Therapy**

**ixium**  
pharmaceutical

**Quantum Genomics**  
BRAIN FOR LIFE

**SPARING VISION**

**ILTOO**  
PHARMA

**step** pharma

**VAXON** Biotech

**AlzProtect**  
Therapeutic Solutions for Neurodegeneration

**BIOPREDIC**  
INTERNATIONAL

**anagenesis**

**ÆLIS**  
FARMA

**ALIENOR**  
armement et médecine régénérative

**INOTREM**  
control innate immunity

**ElsaLys**  
Biotech

**ENYO**  
PHARMA

**In-Cell-Art**

**OSE** IMMUNO  
THERAPEUTICS

**neurochlore**

**TargEDys**  
TARGETING EATING DISORDERS

**OREGA** Biotech  
Oncology Immunotherapeutics for Cancer

**poietis**  
make tissues real

**GAMAYMABS**  
PHARMA

**halio**  
dx

**ImCheck**  
therapeutics

**Sensorion**  
The Inner Ear Diseases company

**ANNAPURNA**  
THERAPEUTICS

**Biomatlante**  
Biologics Solutions

**AXENIS**

**Therachon**  
unlocking potential

**Inna**  
VirVax

**Biomatlante**  
A 2 a phase 2 solution

**Carlina**  
Technologies

**Inception** IBD

**SCARCELL**  
THERAPEUTICS

**GO** LIVER  
Therapeutics

**ICONEUS**  
REVEALING THE BRAIN

**CIBILTECH**

## Major discoveries

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Since its foundation in 1964, Inserm has played a part in many key, historic medical advances, such as:

- **the first prenatal diagnostic tests;**
- **understanding the HLA system** and the ensuing immune reactions;
- **the first in vitro fertilization;**
- **identification of HIV;**
- **radiotherapy for cancer;**
- **the first skin graft;**
- **deep brain stimulation** in the treatment of Parkinson's disease;
- **gene therapy...**

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# Disseminate knowledge for the benefit of all

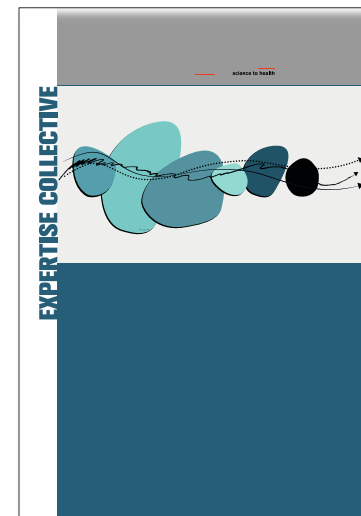
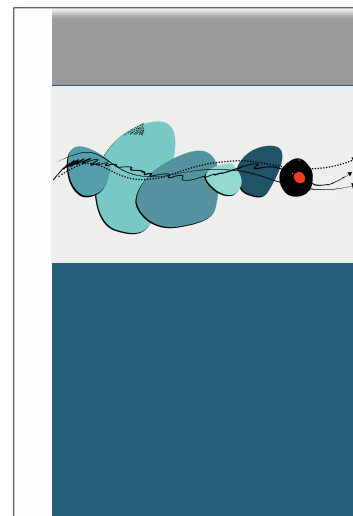
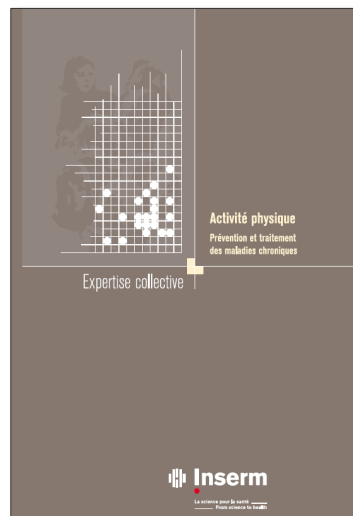


- Disseminate knowledge for the benefit of all

# Collective expert reviews and contribution to public health policy



Inserm fulfils its mission of expertise provision and knowledge transfer to decision-makers in the field of public health by providing the scientific insight required to take decisions on public health policy issues.





- Disseminate knowledge for the benefit of all

## Our work with patient organizations

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### A mission to forge closer links between Inserm and over 500 patient organizations


- Facilitate access to scientific information for patients through training
- Promote events and direct dialogue between researchers and patient organizations
- Relay the concerns and needs of society to Inserm's management
- Engage for better collaboration of researchers with patient organizations in the evaluation process

- Disseminate knowledge for the benefit of all

## Our presence in the service of public information



 **inserm.fr**  
**9,280,000**  
 sessions

 **84,000**  
 followers

 **145,000**  
 followers

 **39,000**  
 followers

 **8,000**  
 followers

 **180,000**  
 followers



Santé en questions  
 Lecture circuit

**10,000** participants

Public events

**+ than 1,5 million**  
**participants and views**



Patient organization  
 training seminars

**1,100** participants



Canal Détox,  
 information videos and articles

**+ than 1.3 million**  
**views**

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# #LaSciencePourLaSanté

