



Healthcare/Biotechnology and associated services

- Almost 1000 companies with over 14,000 employees
- Aquitaine is home to a number of companies of international scope
- Pharmaceutical products are Aquitaine's 3rd largest export
- Great expertise in vegetable product extraction, bio-production, pharmaceutical products and design and execution of clinical trials
- A sector which has benefited greatly from the Future Investments scheme
 - » 2 laboratories for excellence: Brain (neurosciences), Trail (Medical imaging),
 - » 2 centres of excellence (Opto-Path and Phenovirt),
 - » 1 cohort (I-Share) (student health)
 - » 1 national infrastructure project (France Bio-Imaging)
 - » University Hospital Institute (IHU) for heart rate problems (Liryc project)
- A proposed Neurocampus (450 neuroscience researchers)
- One of France's largest university hospitals (14,250 people)
- Sectors growing rapidly: medical solutions and biomaterials, spinal implants and surgery
- Launch of Healthcare ICT Cluster in Aquitaine (1 000 jobs, 40 businesses)
- An acknowledged know-how in the areas of biophotonics and bioinformatics.
- New clinical research facility in Bordeaux (ACCELENCE)
- Launch of MATWIN (S.A.S), a company providing support to medical research projects to bring them to maturity
- Bioparc Galien: a business park devoted to small and medium-sized businesses working in biotechnology and healthcare

Cutting Edge

- Public health
- Cardiology
- Cell and gene therapy,
- Clinical and experimental neuroscience
- Infectious disease pathology, cardiovascular pathology,
- Graft biology, implants, biomaterials,
- Functional genome studies
- Formulation and vectorization of medicines and other pharmaceutical products
- Biological and medical imaging, biomolecular technology,
- Phytogenesis, polyphenols
- Human nutrition and health foods (lipids)
- Oncology (particularly for the study of rare cancers)
- Healthcare ICT



Training

- Home to one of France's 3 Schools for Biotechnological Engineering
- National School for Biomolecular Technology in Bordeaux – ENSTBB
- Doctoral School for Biological and Medical Sciences (300 doctoral students)
- Bordeaux Institute of Industrial Pharmaceuticals (IPIB)
- One of France's first Master's degrees in Bioinformatics

Research

- **1,500 publicly-funded researchers, including 400 working in neuroscience**
- **South-West Cancer Research Pole** (250 medical teams in Bordeaux, Limoges, Montpellier, Nîmes and Toulouse)
- LISA Carnot Institute (Lipids for Industry and Healthcare)
- European Institute of Chemistry and Biology – IECB
- National Institute of Healthcare and Medical Research – **INSERM – 32 laboratories, 400 researchers** including:
 - » Bordeaux Neuroscience Institute: leading regional centre for research on the central nervous system
 - » Bordeaux Clinical Investigation Centre
 - » Bergonié Institute (oncology), a leading institution in research on rare cancers
- Institute for Public Health, Epidemiology and Development – ISPED
- Institute for Biochemistry and Cell Genetics – IBGC
- Aquitaine Institute for Research on Human Nutrition – IRNHA

Industry associations / Transfer

- The South-West Interprofessional Association for the Pharmaceutical and Healthcare Industries – GIPSO
- Aquitaine Association for Biomaterial and Implant Technology
- Innovialis Aquitaine for the biological and medical technology industries
- Functional Genome Research Platform
- Bordeaux Imaging center
- Center for Clinical Investigation and Technological Innovation
- GIS « IBIISA » (Infrastructures for Biology, Healthcare and Agricultural Science)

Main companies

Biorizon - Merck Serono Biodéveloppement – Stryker Spine – Boehringer Ingelheim – Ceva Santé animale – Flamel Technologies – Fluofarma – Groupe Galenix – SFRI – Unither – McNeil Sante Grand Public – McKesson – UPSA – Saf Isis – Sanofi Aventis – Mitoprod – Acteon – Meda – Ademtech – Zimmer – Imagene – Ricarimpex – Phytinove – IDPS (groupe Bertin) – Comipso – D-lab – Implanet – Agfa healthcare- CIS Valley...