

BIOLOGY

2009

It is often forgotten that Louis Pasteur was not a medical doctor by training but a chemist and biologist. With a well-established high-tech pharmaceutical industry (Aventis, Sanofi-Synthelab, Servier), France is the number one European producer and the world's fourth leading exporter of pharmaceutical products.

It also is Europe's third leading country in biotechnology companies. Clermont-Ferrand, Évry near Paris, Lille, Marseille, Montpellier, Strasbourg, and Toulouse are all centers for genome studies that bring together research organizations and firms developing applications. Biology, of course, deals with research but also with applications for humans, animals, and plants. Biology has entered the industrial world today through biotechnology, a new science created from basic research with applications in the fields of health, chemistry, agri-food industries, the pharmaceuticals, energy, perfume and cosmetics, and environmental engineering.

Specializations are available at all academic levels in licence, licence professionnelle (Bac +3), master's (bac +5), and doctoral (bac +8) programs.

▶ Websites

- Agropolis International Montpellier Languedoc-Roussillon
<http://www.agropolis.fr/recherche>
- CEA - Atomic Energy Commission : life sciences : <http://www.cea.fr>
- CEMAGREF (Institute for Research in Agricultural and Environmental Engineering : biology of aquatic ecosystems, hydrobiology, microbiology, biological processing of wastes)
<http://www.cemagref.fr>
- CIRAD (Center for International Cooperation in Agronomic Research for Development : agronomic research to benefit developing countries : biology, biodiversity) : <http://www.cirad.fr>
- National Center for Scientific Research - CNRS : <http://www.cnrs.fr/sdv/>
- French Institute for Research into Practical Use of the Seas : biology of marine species
<http://www.ifremer.fr>

- National Institute of Agronomic Research : <http://www.inra.fr>
- INSERM (Health- Medical) <http://www.inserm.fr>
- Curie Institute (the battle against cancer) <http://www.curie.fr>
- Pasteur Institute molecular biology, immunology, microbiology <http://www.pasteur.fr>
- IRD (Development Research Institute : biodiversity, biotechnologies, microbiology) : <http://www.ird.fr>
- Société Française de Génie Biologique et Médical <http://sfgbm.enst-bretagne.fr>
- Ademe ((environmental maîtrise in energy) <http://www.ademe.fr>
- Promotion for biotechnologies <http://www.adebiotech.org>
- Ministry of Ecology, Energy, Sustainable Development, and Regional Development
<http://www.ifen.fr>
- Pharmaceutical industry <http://www.leem.org>
- INSERM (National Institute of Health and Medical Research : biostatistics, genetic epidemiology, health) <http://www.inserm.fr>
- Portal dedicated to the mobility of European researchers
<http://www.ec.europa.eu/euraxess>
- National Research Agency <http://www.agence-nationale-recherche.fr>
- Fondation Alfred Kastler (services for international researchers visiting France)
<http://www.fnak.fr>
- Bernard Gregory Association (from dissertation to employment) <http://www.abg.asso.fr/>
- Dissertation and postdoctoral proposals from the French Society for Biomedical Engineering <http://sfgbm.enst-bretagne.fr/spip.php?rubrique14>

▶ Keywords

agriculture, agri-food, agrobiosciences, agronomy, animals, anthropization, anthropology, human systems, aromas, insurance, biochemistry, biodiversity, bioinformation systems, bioengineering, biomaterials, biometrics, biophotonics, biostatistics, business, water, merchandizing, packaging, control, cosmetics, sustainable development, law, sustainability, ecotoxicity, environment, epidemiology, forestry, galenics, genetics, management, ichthyology, imaging, immunology, coast, tropical diseases, materials, mathematics, mecatronics, medicines, microbiology, media, modeling, nanotechnologies, neurobiology, nutrition, oceanography, oenology, fragrances, pharmacokinetics, plasmid, populations, production, intellectual property, protection, quality, health, security, selection, athletics, statistics, synthesis, textiles, therapies, toxicology, vegetal, vine, wines, virology.



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<http://www.campusfrance.org/fr/d-catalogue/>

Doctoral level : search the directory of doctoral programs

<http://www.campusfrance.org/ecoledoc/index.htm>

CampusBourse : search the directory of scholarship programs:

<http://www.campusfrance.org/fr/d-catalogue/campusbourse/cfbourse/index.html>