Programs
Higher education and research are the drivers of intelligent, sustainable growth. They lay the foundations of the knowledge society in which future generations will grow.

The University of Bordeaux and its partners intend to support this process by creating a campus of excellence with an international outreach, bringing together key research players in cutting-edge scientific fields: neuroscience, technologies for health, public health, materials of the future, environment/climate, archeology, optics-photonics-laser and informatics/certification.

These centers of excellence, backed by innovative educational programs, now offer major prospects for research, innovation and France’s international outreach.
Excellence
The goal: a competitive international research university in tune with its environment.

The 'Investments for the Future' scheme (PIA)

In 2010, the French government launched the Investments for the Future scheme to finance the projects which will shape the France of tomorrow.

A 10-year budget of €22 billion was earmarked for higher education and research, identified as key priorities.

These investments target the creation of some ten world-class clusters of excellence in higher education and scientific research.

One of the major programs selected for this far-reaching endeavor is the University of Bordeaux Initiative of Excellence (IdEx Bordeaux).

The University of Bordeaux Initiative of Excellence (IdEx Bordeaux)

In close collaboration with research bodies and partner institutions, the University of Bordeaux offers innovative research, training and knowledge transfer programs.

These programs are financed with the income stemming from a €700 million endowment granted to IdEx Bordeaux. These funds must be supplemented by partner investments and external resources (ANR or European call for proposals, private funding, etc.).

The University of Bordeaux also coordinates other projects under the 'Investments for the Future' scheme concerning higher education and research in the Bordeaux area, in synergy with the Clusters of Excellence (LabEx), Facilities of Excellence (EquipEx), University Hospital Institute (IHU) and Technology Transfer Office (SATT).

The Investments for the Future Unit operating within the University of Bordeaux structures and coordinates these projects and programs.

Members

› **Founders**: University of Bordeaux, CNRS, Inserm, Sciences Po Bordeaux, Bordeaux INP, Bordeaux Sciences Agro, Bordeaux Montaigne University.

› **Partners**: Bordeaux University Hospital, Inra, Inria, Irstea, CEA, Ifremer, Aquitaine Regional Government, Urban Community of Bordeaux.

Timetable

› **2012-2015**: Emergence of a major world-class multi-disciplinary research university in Bordeaux, in collaboration with the partners of IdEx Bordeaux.

› **2016-2020**: "Université de Bordeaux" as a brand name and the spearhead of the international development of higher education and research in Bordeaux.
The programs
Building an international outreach

IdEx Bordeaux’s international dimension underpins all of its research, training and knowledge transfer activities. Four specific programs support this ambition: Bordeaux International Support, Travel Scholarships, International Summer Schools and International Conferences.

Meeting the research challenges

Through the LabEx, Clusters of Excellence, Emerging Programs and InterPIA Projects, researchers come together to focus on major research issues to prepare the future. Their efforts are backed by International Associated Laboratories, Initial Support for Exploratory Projects and Associated International Chairs.

Focusing on talents

As today’s researchers and doctoral students are increasingly mobile, specific programs are offered in the aim of attracting and supporting the projects of top talents. The actions of IdEx Bordeaux particularly aim to improve the quality of the working environment, career prospects and incoming and outgoing mobility. Five dedicated programs: International Doctorates, International Post-Doctorates, Visiting Scholars, Junior Chairs and Senior Chairs.

Creating tomorrow’s innovative courses

To prepare students for today’s and tomorrow’s career requirements, IdEx Bordeaux invests in the constant renewal of its full-time and lifelong training programs. This renewal is based on the Innovation in Education, International Master’s Degrees and Training Platforms programs.

Promoting student empowerment

Nurturing students’ spirit of initiative to accelerate their professionalization is a core focus of IdEx Bordeaux. Six dedicated programs: PhD Career Center, Ambassadors, Innovation Pathways, Entrepreneurship, Student Jobs and Alumni.

Effective knowledge transfer

Connecting with society

To fully contribute to the region’s competitiveness, the University of Bordeaux and its partners work in close collaboration with socio-economic stakeholders. Five initiatives promote the circulation of people and knowledge between academia and society at large: Social Innovation Connectors, Social Innovation Projects, Arts and Sciences, Multi-disciplinary Research Agendas and Spring.
Meeting the research challenges

Clusters of Excellence (LabEx)
Term: 10 years

› Objective: accelerating scientific leadership and maintaining cutting-edge world-class environments for research, training and knowledge transfer through an ambitious, multi-disciplinary roadmap.

Projects supported: BRAIN (neuroscience), TRAIL (technologies for health), COTE (environment/climate), AMADEus (materials of the future), LaScArBx (archeology).

Contact: claire.gaugain@u-bordeaux.fr

Initial Support for Exploratory Projects (PEPS)
Term: 1 year

› Objective: fostering new multi-disciplinary research momentum.

Projects supported: exploratory research projects known to comprise risks and involving several players. The funding aims to lay the foundations for collaboration and is to be followed up with calls to European and national fund providers.

Contact: carlos.mendoza@u-bordeaux.fr

Clusters of Excellence and Emerging Programs
Term: 4 years, renewable

› Objective: supporting the creation and development of multi-disciplinary scientific communities around an ambitious multi-disciplinary research, training and knowledge transfer roadmap set in an international environment.

Projects supported: LAPHIA (optics - photonics - laser), CPU (informatics/certification) and HEADS (public health).

Contact: claire.gaugain@u-bordeaux.fr

InterPIA Projects
Term: 2 years

› Objective: encouraging high added value projects between multi-disciplinary research communities.

Projects supported: key strategic projects involving collaboration between several projects coming under the PIA in Bordeaux and using all the skills of the Bordeaux site.

Contact: claire.gaugain@u-bordeaux.fr

International Associated Laboratories (LIA)
Term: 4 years

› Objective: using the CNRS LIA initiative to develop research relationships with IdEx Bordeaux’s international partners.

Projects supported: LIA projects related to the scientific priorities of the Bordeaux higher education and research site and aiming to spur the development of institutional collaboration with IdEx Bordeaux’s strategic international partners.

Contact: veronique.debord-lazaro@u-bordeaux.fr

Associated International Chairs
Term: 2 to 3 months per year for 3 years

› Objective: developing large-scale projects on the Bordeaux site in terms of research, innovation and knowledge/technology transfer.

Projects supported: research and innovation projects led by internationally renowned academics carrying out their main work abroad and wishing to develop new activities in the research and training units or in innovation facilities in Bordeaux.

Contact: carlos.mendoza@u-bordeaux.fr
Focusing on talents for (young) international researchers

International Doctorates

Term: 3 to 12 months (support for outgoing mobility)
Term: 18 to 36 months (doctorate support)

Objective: increasing the expertise of the new generation of researchers through the international opening-up of doctoral studies.

Projects supported: doctoral students with promising projects doing their thesis in a specific international context (jointly supervised by a French and a foreign institution) or in a joint international laboratory (key institutional partners).

Contact: laure.francois@u-bordeaux.fr

Visiting Scholars

Term: 1 to 12 months

Objective: welcoming internationally renowned researchers and lecturers to share their experience and set up international collaborations and partnerships.

Projects supported: high-level candidates in all fields, holding a position in a non-French institution and proposing high added value projects for the development of the Bordeaux site.

Contact: carlos.mendoza@u-bordeaux.fr

International Post-Doctorates

Term: 24 months

Objective: allowing young international researchers to carry out their research projects in one of Bordeaux’s research laboratories.

Projects supported: researchers from all disciplines demonstrating excellence in terms of their profile and their project.

Contact: carlos.mendoza@u-bordeaux.fr

Junior Chairs

Term: 3 years

Objective: supporting young high-level researchers in their own research activity in one of Bordeaux’s laboratories.

Projects supported: young foreign researchers coming to do research in Bordeaux in any field, having demonstrated a capacity to lead a research team at the highest level.

Contact: carlos.mendoza@u-bordeaux.fr

Senior Chairs

Term: 3 years

Objective: providing support to eminent researchers coming to join the academic community long-term and bringing new skills to the Bordeaux site.

Projects supported: established researchers of international standing working in any field, coming to Bordeaux.

Contact: carlos.mendoza@u-bordeaux.fr

The Welcome center for international researchers assists them with French entry and residence formalities, administrative procedures and everyday living requirements.

Contact: accueil.chercheurs@u-bordeaux.fr

The Welcome center for international researchers assists them with French entry and residence formalities, administrative procedures and everyday living requirements.

Contact: accueil.chercheurs@u-bordeaux.fr

SUPPORT FOR PROJECTS
Creating tomorrow's innovative courses

**Innovation in Education**

- **Objective**: supporting the development of an innovative range of courses for the new 2016-2020 accreditation.

- **Projects supported**: projects aimed at diversifying teaching methods, which can be reproduced on a large scale and transferred to other disciplines. The two priority focuses are digital and international projects. This program has 6 components.

  **Contact**: julie.lavoine@u-bordeaux.fr

**International Master's Degrees**

- **Objective**: developing a high-quality international offering to take in promising international students and increase the competitiveness of international consortia.

- **Projects supported**: international master’s programs in the launch phase or development phase.

  **Contact**: deborah.didio@u-bordeaux.fr

**Training Platforms**

- **Objective**: developing a full-time and lifelong training offer in key regional fields which are competitive on the European scale.

- **Projects supported**: projects in selected fields having demonstrated their regional potential, as well as their international development prospects.

Four fields are covered:

- forestry and timber
- optics–photronics–laser
- aeronautics
- ocean

This initiative also aims to break down barriers between different educational formats. It is backed by close collaboration with industrial partners.

  **Contact**: olivier.puissant@u-bordeaux.fr

The International Challenge is a program which offers educational and linguistic support for the development of teaching in English.

  **Contact**: joanne.pageze@u-bordeaux.fr

The Support for Innovation in Education Initiative (MAPI) offers support to the academic teams of the University of Bordeaux for the development of courses and teaching methods.

  **Contact**: marthe-aline.jutand@u-bordeaux.fr
PhD Career Center

- **Objective:** improving the preparedness of future graduates for high-level careers.
- **Projects supported:** initiatives which reinforce, promote and capitalize on the skills of doctoral students and the PhDs awarded by the University of Bordeaux and the Bordeaux Montaigne University. Examples: further training, expertise projects, help with defining a career project, thesis prize, etc.

**Contact:** blanche.masclef@u-bordeaux.fr

Ambassadors

- **Objective:** nurturing the students’ spirit of initiative while reinforcing the international reputation of the University of Bordeaux.
- **Projects supported:** multi-disciplinary international projects involving at least five students and drawing upon Bordeaux’s acknowledged research strengths.

**Contact:** camille.forgeau@u-bordeaux.fr

Alumni

- **Objective:** creating a network of former students to promote the development and increase the outreach of the University of Bordeaux. This network aims to strengthen ties with the socio-economic world, promote the employment of graduates, raise funds and develop international collaborations.

**Contact:** camille.forgeau@u-bordeaux.fr

Entrepreneurship

- **Objective:** stimulating the students’ entrepreneurial spirit and project undertakings.
- **Projects supported:** initiative amplifying the action of the PEPITE scheme and GRP Lab aimed at promoting student entrepreneurship, through the support of projects or startups.

**Contact:** sebastien.descamps@u-bordeaux.fr

Innovation Pathways

- **Objective:** enabling students to gain concrete experience of the dynamics of innovation in connection with their professional goals and allowing enterprises to benefit from additional skills.
- **Projects supported:** work placements in small to medium-sized companies and intermediate-sized enterprises (term: minimum of 3 months).

**Contact:** aurore.cravello@u-bordeaux.fr

Student Jobs

- **Objective:** developing a student job offering in line with the objectives of IdEx Bordeaux programs (internationalization, educational innovation, and innovative projects in the departments) and enabling the students hired to gain professional experience in their fields of study.
- **Project supported:** the employment of a student within an entity or for a project for one academic year, under a work schedule which is compatible with the academic program (generally 35 hours a month).

**Contact:** christelle.bellenger@u-bordeaux.fr

The Department of University Life is tasked with welcoming new students, in particular international students.

**Contact:** marianne.eloi@u-bordeaux.fr

**SUPPORT FOR PROJECTS**
Building an international outreach

Bordeaux International Support (BIS)

Objective: encouraging and supporting the development of international collaboration with key partners in the fields of training, research and innovation.

Projects supported: the initiation of long-term collaboration in the fields of research or training, via transfers of lecturers, researchers, administrative staff or students.

Contact: emilie.bourgois@u-bordeaux.fr

International Summer Schools

Objective: supporting the development of a summer school offering and promoting Bordeaux expertise internationally.

Projects supported: summer schools with a high international profile (specific lecturers and students), a socio-economic slant and a sustainable economic model.

Contact: claire.gaugain@u-bordeaux.fr

International Conferences

Objective: promoting the organization of top-ranking international conferences in Bordeaux and across Aquitaine.

Projects supported: conferences of scientific interest for the Bordeaux site attracting students, researchers and socio-economic stakeholders.

Contact: celine.thouvenin@u-bordeaux.fr

Travel Scholarships

Objective: encouraging student travel to key geographical areas and universities for IdEx Bordeaux, within the scope of the international academic programs of the University of Bordeaux and its partners.

Projects supported: students enrolled in a higher education institution which is a member of IdEx Bordeaux from their 2nd year (Bachelor’s Degree years 2-3, Master’s Degree years 1-2, healthcare programs, technology degree, etc.). IdEx Bordeaux’ travel scholarships are granted on merit.

Contact: boursesmob-idex@u-bordeaux.fr (priority destinations), deborah.didio@u-bordeaux.fr (international training)

The Conference Platform assists researchers who want to organize colloquia, conferences or scientific events.

Contact: celine.thouvenin@u-bordeaux.fr

The European Project Platform assists those who want to set up a European research project and/or academic program (network coordinators and/or collaborative project coordinators, ERC candidates, candidates for individual Marie Skłodowska-Curie scholarships).

Contact: christiane.andriamandroso@u-bordeaux.fr
Social Innovation Connectors

› **Objective:** fostering social innovation by setting up dedicated centers and supporting the development of their services (tools, expertise, courses, etc.) to various stakeholders (enterprises, public entities, students, etc.).

**Projects supported:** three projects over the 2012–2015 period in the fields of technological intelligence (Via Inno), entrepreneurship (GRP Lab) and law (Forum Montesquieu).

**Contact:** aurore.cravello@u-bordeaux.fr

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Social Innovation Projects

› **Objective:** supporting the emergence of projects that can enhance the Social Innovation Connector offering.

**Projects supported:** five emerging projects with strong social potential over a period of one to two years, focusing on: the city (Urban Forum), public health (Cassiopee Platform), e-health (Virtual Health), social innovation (CRISALIDH) and culture (UBIC).

**Contact:** antoine.blanchard@u-bordeaux.fr

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Arts and Sciences

› **Objective:** promoting creativity on the Bordeaux site to transform it into a living and open innovation center.

**Projects supported:** artistic projects jointly undertaken by researchers and artists which promote the development and transfer of knowledge.

**Contact:** camille.forgeau@u-bordeaux.fr

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Multi-disciplinary Research Agendas

› **Objective:** developing research, training and innovation in areas that represent major social challenges.

**Project supported:** a pilot project on water initiated in September 2014. The methodology developed will be used on other topics.

**Contact:** antoine.blanchard@u-bordeaux.fr

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Spring

› **Objectives:** examining opportunities of transferring aerospace technology to the health and construction sectors and promoting innovation by solving legal issues.

Spring is a joint initiative involving the Aerospace Valley competitiveness cluster, the University of Bordeaux and the Aquitaine Regional Council, which firmly supports this project.

**Contact:** aurore.cravello@u-bordeaux.fr
The University of Bordeaux is leading the 'Initiative of Excellence' program in association with:

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