

*Claude Bernard Lyon 1 University*

# ANNUAL

# REPORT

→ 2018



Université Claude Bernard



Lyon 1



# TABLE OF CONTENTS

**BUILDING TOMORROW:  
OBJECTIVE: UNIVERSITY OF  
LYON 2020** p4

**EDITORIAL** p5

**SUPPORT  
CREATE  
SHARE** p6-7



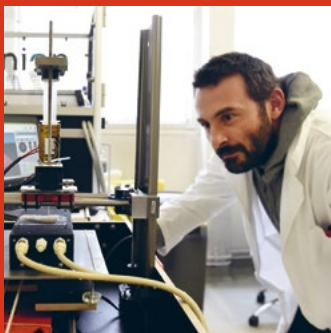
**INITIAL  
EDUCATION** p8-9



**CONTINUING  
EDUCATION** p10-11



**RESEARCH** p12-13



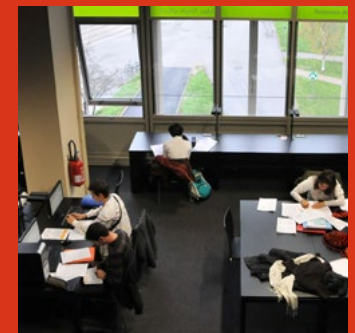
**INNOVATION** p14-15



**PARTNERSHIPS** p16-17



**INTERNATIONAL  
RELATIONS** p18-19



**LIBRARY RESOURCES** p20-21



**BUILDINGS AND FACILITIES**  
p22-23



**CAMPUS LIFE** p24-27



**SCIENTIFIC  
CULTURE** p28-29



**HUMAN  
RESOURCES** p30-31



**FINANCIAL RESOURCES**  
p32-33



**2018 IN PICTURES** p34-35



**ORGANISATION CHART** p36-37

# BUILDING TOMORROW

## OBJECTIVE: UNIVERSITY OF LYON 2020

Along with four other establishments - Jean Moulin Lyon 3 University, Jean Monnet University in Saint-Etienne, the Ecole Normale Supérieure de Lyon and the Institut National des Sciences Appliquées de Lyon - Claude Bernard Lyon 1 University has undertaken to construct a new, inclusive and multidisciplinary world-class higher education establishment, known as the "Target University". The aim of this IDEX-labelled project is to build a new university capable of addressing the challenges of the future and founded on our capacity to innovate, in the fields of both research and education, and to invent new ways of living and doing together. This new establishment is preparing to meet the higher education and research challenges of the next thirty years, while respecting our values and in line with our public service academic missions.

The missions of this new establishment will be those of an intensive research university, offering educational programmes supported by the latest discoveries and guaranteeing a high level of professional integration for its students. The University will thereby ensure the production of world-class knowledge, with a strategy developed and shared by national research bodies and its local partners in order to ensure greater synergy of resources. Its international profile will be boosted by concerted choices with respect to scientific focus areas and international partnerships. This new establishment, with a new organisation, will fulfil all its missions in terms of hosting, guiding and educating students in accordance with their aspirations and the expectations of society with respect to skills, civic responsibility and social promotion. To this end, the new establishment will fully embrace a set of values: academic freedom, intellectual rigour, equal opportunities, humanism and universalism, in order to contribute to a better society tomorrow.

To serve its ambition of academic excellence and achieve a top international ranking, the new establishment will be founded on the perfect balance between two imperatives. Firstly, the autonomy of its departments (Education and Research Divisions) in their academic missions, with an organisation and support functions ensuring they have the greatest level of agility and performance, supported by the expertise of their personnel. And secondly, the central governance of the establishment, which must be strategic and strong and guarantee consistency between individual priorities and the establishment's global trajectory, its overall project and the quality of its activities.

In 2018, the reflection processes implemented within the five founding establishments and working groups led to the definition of eight education and research divisions, with a high level of integration between universities and graduate schools, and to admission to the university being set as a project priority, with a reformed undergraduate program. These reflection processes will continue in 2019 in order to finalise the project and the organisation of the new establishment, which should be operational in early 2020. We are convinced that the success of this project depends on dialogue and cooperation with all university players, who will all have a role to play.

We have a unique opportunity to reform and transform the way we work, with extensive freedom to address the challenges facing higher education and research, as well as a society undergoing profound change. Let us grasp this opportunity, since it is together, by pooling our strengths, that we will succeed and that we will build the new University of Lyon.

# EDITORIAL

**Frédéric Fleury**

President of  
Claude Bernard Lyon 1 University



*The courses offered at Claude Bernard Lyon 1 University once again confirmed their appeal in 2018, with more than 46,000 students enrolled, reflecting the quality of our programmes based on learning through research. In 2018, new programmes were added to our offer, preparing students for emerging sectors, and the University also maintained its focus on innovative educational approaches. Focusing on student success, Lyon 1 continued its support policy aimed at ensuring the professional integration of its graduates and further extended its actions designed to facilitate their access to their first job. We also offer continuing education programmes, concerning some 13,000 work-study students each year. An indication of the quality of our services, Lyon 1 was awarded certification in 2018 for its University-based Continuing Education services.*

As ever, Lyon 1 University had a very active year in scientific terms. Focusing on the development of cross- and multidisciplinary approaches related to the societal challenges of our times, Lyon 1 is participating in some ambitious international scientific projects. Hence in 2018, the University stood out in a number of cutting-edge fields: water and hydrosystem sciences, materials, neurosciences, health, oncology, space exploration, etc. 2018 also saw the launch of major projects, such as the inauguration of our Lyon Est health campus and the NeuroMyoGène Institute. Lyon 1 is therefore establishing a strong position in the international research landscape, as demonstrated by its presence in numerous international rankings.

With its proactive research transfer and partnership policy, Lyon 1 has maintained its position as the leading French university in terms of the number of patents filed and climbed more than 50 places in the Reuters global ranking of the most innovative universities. Lyon 1 innovates in numerous sectors and is reinforcing its influence in the world of industry. In 2018, our campuses were enhanced by the addition of important innovation sites, such as the Axel'One Campus platform.

On the international stage, Lyon 1 University continued its active policy, stepping up student and teaching staff mobility and strengthening its links with several foreign universities, in China and Canada, in particular.

Awarded the NoctamBU+ label, our university libraries continued to offer their users accessible, welcoming spaces to study, work and enjoy. In 2018, the Lyon 1 university library retained its status as the first and only quality-certified university (ISO 9001-2008 certification awarded in 2015) in France.

Lyon 1 University's buildings and facilities also continued to evolve in 2018. For example, 25,900 m<sup>2</sup> of space was renovated to constantly improve study, research and living facilities on our campuses.

Lyon 1 University implements an active social action, sports, cultural and leisure policy for both its students and staff. In order to ensure all the activities and facilities put in place are accessible to all, this policy is deliberately as inclusive as possible. Because the health of our students is a priority for us, in 2018 the University became the first to open a health centre at the Lyon-Saint-Etienne site. A lively programme of events on campus is also ensured thanks to the dynamism of student associations and strong student involvement, which we fully support.

In 2018, Lyon 1 continued its growing commitment to the dissemination of knowledge to all publics. The process of opening up access to its cultural heritage was maintained with, in particular, the digitization of the most iconic collection of the Lyon 1 Herbarium.

We also pursued our active recruitment policy, the modernisation of our Human Resources tools and resources, as well as our ever greater focus on quality of life at work.

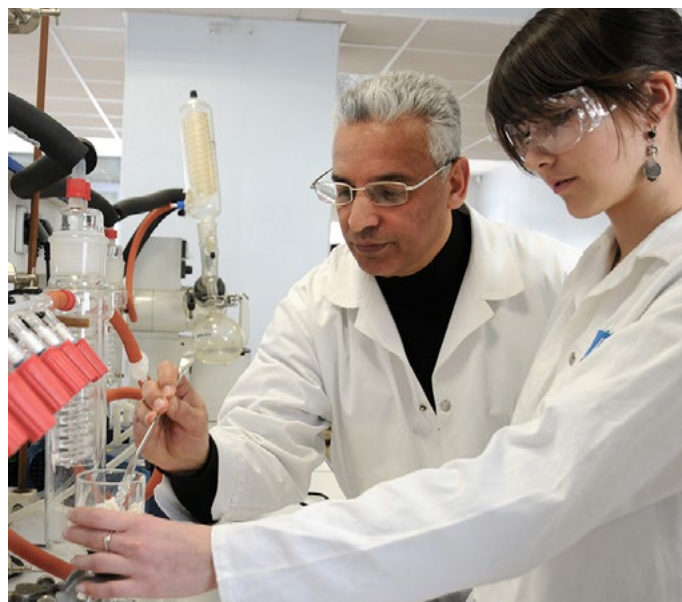
Finally, in terms of financial resources, the 2018 financial year has been a particularly busy one in the area of financial and accounting management and the main figures resulting from implementation of the 2018 budget reflect the establishment's sound financial health.

This synoptic report reflects the highlights and successes resulting from the work we have done together in 2018. It reviews the results of a university that is in excellent health thanks to the talent it attracts and the ambitious initiatives it implements. We hope that it will help you grasp all the major challenges taken up by our university every day, as well as the values that are central to all we do: creating, sharing, committing to guarantee an ever more inclusive university, where every individual can achieve professional and personal fulfilment. But, above all, in the run-up to 2020, we hope that this document will provide you with greater visibility of the strengths we are able to draw on to meet the challenge of building the University of tomorrow, together.

# SUPPORT

*Providing support is one of the main commitments made by Lyon 1 University. Be it for its students, its staff or its partner companies: Lyon 1 mobilises and deploys its strengths to support success.*

*With its active student guidance and success policy, Lyon 1 supports its students through to their first job. To accompany its students throughout their programme, Lyon 1 University implements new mechanisms every year. This day-to-day support is increasingly personalised since every individual's path is unique. Because we are fully aware that well-being goes hand-in-hand with a student's success, we offer special arrangements to those that need them, both for their studies and for artistic or sports activities. We also help students in their international mobility projects.*



The University also focuses on supporting its teaching staff, faculty members and researchers: to set up European projects, create start-ups or file patents. Lyon 1 is committed to supporting all its staff through their careers, it uses a variety of levers to this end, such as training or the creation of a "Professional support mission for staff" in 2018. The University fully supports its student associations, with more than €90,000 in operating and investment subsidies and the implementation of mechanisms in recognition of student involvement or high-level artist status. Finally, Lyon 1 also focuses on its partner companies, offering them support in their research projects. Each year, the relationships forged with the economic world and institutional partners, as well as the resulting synergies, are further strengthened.

# SHARE

*Each year, Claude Bernard Lyon 1 University works to honour its third major commitment: sharing. Actively driving research, day after day our teaching staff share with their students their knowledge, know-how and experience, drawn directly from the world of research, guaranteeing the quality of our programmes. Through numerous scientific papers and collaborations, the faculty members and researchers at Lyon 1 share their results and their expertise with the scientific community as a whole, on both a national and international scale. Lyon 1 also makes its scientific heritage accessible for research purposes: minerals, fossils, medicinal plants, etc. To facilitate this access, some collections are undergoing major digitization campaigns, such as the exceptional Roland Bonaparte Herbarium.*

# CREATE

*With its 65 research units and centres and more than 5,500 publications annually, Lyon 1 is making its mark on the science of its time. A creator of emerging knowledge and new technologies, each year the University confirms its scientific excellence and positions itself at the forefront of international research. Alongside its fundamental research, Lyon 1 explores science focusing on the major challenges facing tomorrow's society, thanks to the development of cross- and multidisciplinary approaches.*



A genuinely visionary university, since 2013 Lyon 1 has innovated on a daily basis: it is the leading French university in terms of the number of patents filed. Its resources, the talent of its researchers, faculty members and PhD students, as well as the potential of its students, make it a favourite partner of companies. Its creativity and productivity are thus nourished by exchange with the world of industry, driven by its proactive research transfer and partnership policy. As a consequence, new start-ups, innovative platforms and numerous original developments emerge each year in cutting-edge fields: chemistry and the environment, 3D printing of medical devices, pollution detection and treatment, biodiversity, food safety, prevention of natural risks, etc.

Lyon 1 is also committed to innovation in terms of teaching methods. Latest generation educational platform, innovative practical work sessions and unique teaching facilities: Lyon 1 implements a policy to favour innovation and promote new teaching methods. In 2018, the University was particularly dynamic in the area of virtual reality. In the area of innovative training, Lyon 1 also plans to create a new "Health Sciences" degree, with no equivalent in France.



Open to the world of industry, Lyon 1 offers its services and expertise to companies. Joint platforms and laboratories, online technological resource portals: Lyon 1 deploys numerous pooling and exchange sites with its industrial and medical sector partners.

Lyon 1 also arranges shared spaces and moments with all its users, hinged primarily around its cultural and sports programme or major convivial and festive events. In 2018, the University trialled its very first integration week dedicated entirely to welcoming its new students.

Lyon 1 organises meetings, dialogue and exchanges hinged around Science aimed at all publics. For the 2018 Science Festival, for example, Lyon 1 offered thousands of visitors a broad programme of scientific workshops, debates, exhibitions, shows, lectures and visits.

# INITIAL EDUCATION

With a 1.7% increase in the number of students in 2018, Claude Bernard Lyon 1 University confirmed its lasting appeal. The 2018 academic year also saw the opening of three new professional degree programmes, one Master's programme and seven university diplomas in the fields of social intervention, ageing, health, innovation, materials and early childhood. This expansion of the programmes offered at Lyon 1 reflects a determination to prepare top-level students for the professions of the future, in line with the changes taking place in our societies.



**16,889**  
NEW ENROLMENTS  
AT LYON 1 INCLUDING  
**6,690**  
UNDERGRADUATES

**280**

ADDITIONAL  
PLACES IN  
**1<sup>ST</sup> YEAR**  
INCLUDING 120 IN  
SPORTS SCIENCE



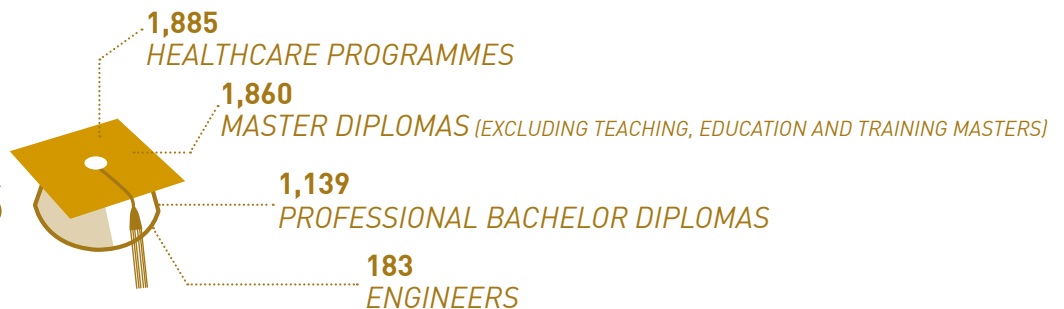
**43**

GAP YEAR  
PROJECTS  
SUPPORTED

**1,898**

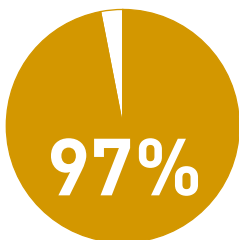
STUDENTS  
IN WORK-STUDY  
PROGRAMMES

## NUMBER OF GRADUATES 2016-2017



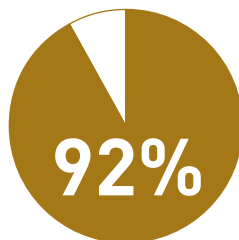
### PROFESSIONAL INTEGRATION AT LYON 1

PROFESSIONAL  
BACHELOR DIPLOMAS



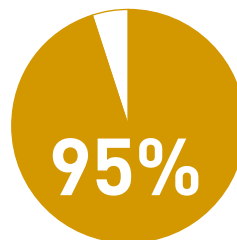
EMPLOYED  
30 MONTHS  
AFTER EARNING  
THEIR DIPLOMA

MASTER DIPLOMAS  
(EXCLUDING TEACHING,  
EDUCATION AND  
TRAINING MASTERS)



EMPLOYED  
30 MONTHS  
AFTER EARNING  
THEIR DIPLOMA

ENGINEERS



EMPLOYED  
18 MONTHS  
AFTER EARNING  
THEIR DIPLOMA

HEALTHCARE



EMPLOYED AFTER  
EARNING  
THEIR DIPLOMA

## IN 2018

- ◆ Lyon 1 University was particularly dynamic in the area of virtual reality. Exploiting the options offered by this technology in the fields of training and education is both a challenge and a major opportunity for universities. Lyon 1 is fully committed to this approach, leading several innovative educational projects hinged around virtual reality, initiating a programme to adapt and equip dedicated rooms and bringing together academics, businesses and students at an event focusing on virtual reality and its applications in the field of education.
- ◆ In a national context of transformation of Degree programmes with the French "ORE" law relating to student guidance and success, Lyon 1 has rolled out new educational and support tools with, in particular, the option offered to students of adapting their degree programme to complete it in a period of two to four years. In 2018, 165 students took advantage of this mechanism, the objective being to offer 130 additional places in the 2019 academic year. The success of these programmes depends on a more progressive acquisition of knowledge and skills, personalised support and building the students' confidence.
- ◆ The Lyon 1 university is involved in the "Cursus +" ("Programme +") project led by the University of Lyon and funded to the tune of €14.5 million in the context of the PIA3 (Investments for the future) programme. This project will enable greater personalisation of undergraduate programmes and adaptation of learning rhythms. Supported by teaching teams, students will be able to build their own programme corresponding to their own career project and complete it at their own pace. The first trials are in the process of being set up and will be rolled out at the start of the 2019 academic year.
- ◆ Lyon 1 is continuing to support student involvement, be it civic, artistic or sporting. The 2018 academic year saw the implementation of a system recognising and valuing this involvement as part of educational programmes. This involves an individual educational contract being drawn up between the student and the University. This contract specifies, firstly, the arrangements for assessment and valuation of the skills and knowledge acquired by students as part of their involvement and, secondly, any special academic arrangements to enable students to reconcile their university programme with their commitment.
- ◆ In 2018, the University increased the resources allocated to training and teaching methods. Hence, €470K was dedicated to the setting up of new teaching platforms and the modernisation of existing one. The establishment undertook to increase to €400K (+€100K) the annual budget allocated to Degree programme success in the context of an Objectives and Resources Contract. As part of its policy to favour innovation and promote new teaching methods, Lyon 1 led numerous innovative educational projects.
- ◆ Lyon 1 submitted an application to the Ministry for accreditation of a new Degree programme in "Health Sciences". This innovative programme, at the interface of the Health, Sciences and Technology sectors, is designed to prepare students for emerging professions related to connected health and support individuals committed to a life course. It is an innovative programme, with no equivalent nationally.
- ◆ The development of work-study programmes remains a priority: almost all professional degree programmes are already accessible on a contracted work-study basis, with Lyon 1 now setting Master's programmes as the priority. Work-study programmes represent a significant proportion of the University's educational offer, with 1,898 students on work-study programmes in the 2018 academic year, across 117 specialisations.

## FOR 2019

The University will continue its policy to support its students on the road to success in 2019, based on four levers: student guidance, with the reinforcement of communication about the educational offer, particularly aimed at high school students; programme diversification in order to offer all students a course in line with their own personal projects; the setting up of personalised support and individual assistance for students throughout their programme. To this end, the establishment

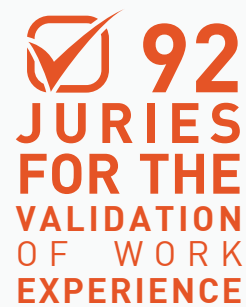
will continue to implement its policy to encourage the integration of students and extend the events organised at the start of the academic year, such as the integration week, to all campuses. Finally, the teaching infrastructure modernisation and informal workspace adaptation policy will continue on all campuses.

*The Virtual Reality Day at the University Library ©Olivier Rastello – ICAP - Lyon 1 University*





# CONTINUING EDUCATION

Each year, around 13,000 continuing education students enrol at Claude Bernard Lyon 1 University. An indication of the quality of our courses and services, Lyon 1 continuing education programmes were awarded Veritas certification in 2018 for University-based Continuing Education services. It is also listed in the DATADOCK database for professional training funders for all its continuing education programmes. It is approved as a continuing professional development body, with 20% of the national continuing professional development offer.



## CONTINUING EDUCATION ACTIVITY

	497 COURSES LEADING TO QUALIFICATIONS	149 SHORT COURSES	92 ACTIONS IN CONTINUING PROFESSIONAL DEVELOPMENT	122 COURSES ACCESSIBLE ON WORK-STUDY BASIS
 NUMBER OF STUDENTS HOSTED	7,247	2,466	1,500	1,761
INCREASE COMPARED TO PREVIOUS YEAR 	+ 4.7%	+ 13%	20% OF THE NATIONAL CONTINUING PROFESSIONAL DEVELOPMENT OFFER	+ 10%

## IN 2018

- ◆ The Continuing education and alternating work/study programme department (FOCAL) responsible for “Life-long learning”, via its three sections: health, sciences and IUT (university institute of technology), was awarded certification in September 2018 for its University-based Continuing Education by Bureau Veritas Certification. Lyon 1 thus becomes the first university in Lyon and the second in the region to be awarded this certification.
- ◆ Lyon 1 University is the leading French university in this field, with 20% of the continuing professional development offer published by universities, via 92 initiatives hosting 1,500 work-study students.
- ◆ Lyon 1 University is committed to the deployment of a skills-based approach and, to this end, offers several training days dedicated to this designed to support educational managers in the formation of their teams.
- ◆ In 2018, keen to address the needs of medical and paramedical sector professionals, Lyon 1 University worked jointly with professionals to put together a growing number of new courses leading to qualifications (3 university diplomas (DU) and 3 inter-university diplomas (DIU)) such as the DU in “Vascular access” or the DIU in “Neurodevelopment”, as well as new short courses; such as the Masterclass in “Training in simulation in an immersive environment” or “Management of emergencies in the dental surgery”.
- ◆ The Olympique Lyonnais football team chose Lyon 1 University to support the development of its commercial staff towards to prepare them for major accounts manager roles. This course optimises commercial strategy to build loyalty and put together complex offers for prospective and existing clients and provides training in high-level negotiations.

## FOR 2019

On 5 September 2018, the French “Professional future” law was enacted. This law aims to facilitate access to professional training for all. It represents a complete overhaul of employment, training and professional integration rules, with a direct impact on our university activities, including initial education programmes in the context of apprenticeships. Contract-based fund-

ing offers real opportunities to increase the number of apprenticeships. The new rules will be implemented over the long term and it is only at the start of the 2021 that all the provisions voted in will come into force. For 2019, the University will be vigilant with respect to implementation of the reform and the transitional period.

“Skills-based approach” training days ©FOCAL

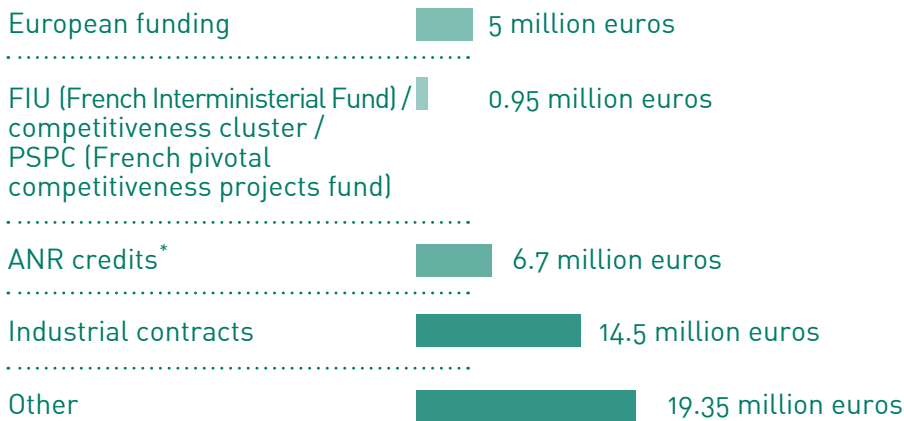


# RESEARCH

The excellence of the research conducted at Claude Bernard Lyon 1 is confirmed by its participation in major cross-disciplinary and scientifically ambitious research projects with significant innovation potential. In 2018, this dynamism paid dividends, resulting in some key achievements in the field of health and the setting up of international exploratory projects. The University's reach is also reflected by its presence in numerous international rankings and, in particular, its presence in the top 100 of four of the themed categories of the 2018 Shanghai rankings.



## 2018 FUNDING



\*French National Research Agency



## IN 2018

- ◆ 2018 saw the launch of the École Universitaire de Recherche H2O'Lyon graduate research school. Funded in the context of the French Investments for the Future programme, it aims to understand all the challenges related to the operation and management of water and hydrosystems. H2O'Lyon brings together researchers and faculty members from ten higher education establishments and three research bodies.
- ◆ In partnership with the Ukraine National Academy of Sciences, the creation of the POLYNANOPOR international research laboratory in the field of nanoporous thermostable polymer materials, was also a scientific highlight of the year for Lyon 1.
- ◆ An article, published in *Nature Medicine*, shows how, in breast cancer, the differentiation status of the original cell of the tumour determines tumour development. This study may lead to a better understanding of breast cancer heterogeneity, responsible for the resistance of some tumours to cancer therapies.
- ◆ An ERC Starting Grant was obtained within the HESPER public health laboratory and Hospices Civils de Lyon, for the Top Surgeons project. This project plans to assess the impact of human and organisational factors on the performance of surgeons, this performance being measured in terms of patient well-being.
- ◆ Bringing together the Fondation du Risque risk-related research foundation, two Lyon 1 laboratories and nine insurance industry players, the PREVENT'HORIZON public health research chair, launched in January 2018, aims to assess to what extent preventive health could result in behaviours liable to reduce risks and hence make the prevention market concept a reality.
- ◆ In the context of the IDEXLYON Fellowships call for projects, aimed at hosting world-class scientists with an international background, three prize-winners joined Lyon 1 University.
- ◆ An astronomer from the Lyon Centre for Astrophysics Research participated in the discovery of the most distant star ever observed. This opens up new opportunities for the observation and study of individual stars in the distant Universe.
- ◆ A partnership was signed between the CNMD of the University of Ottawa (Canada) and the NeuroMyoGène Institute of Lyon 1 University, for a period of five years. Four major scientific projects will be developed by these two laboratories in the field of neuromuscular diseases.
- ◆ In the context of its international research strategy, Lyon 1 University also decided to provide financial support to five exploratory projects in the fields of imaging, cognitive processes, nanoparticles and health: with Italy (Florence & Trente), the USA (Harvard Medical School), Vietnam (HUST) and Madagascar.

## FOR 2019

2019 will be marked by the creation of the first International Joint Unit (UMI) for research in the field of biology, for which Lyon 1 University will be a supervisory body. Created for a period of five years, this laboratory, for which the other supervisory bodies will be the CNRS (French national research agency) and Nelson Mandela University in Port Elizabeth, South

Africa, will bring together researchers, faculty members, students and technicians in the field of biodiversity on a single site. 2019 will also see the inauguration of a brand new building for the Neuro-campus, making it possible to pool Lyon's neurosciences expertise on a single site.

The NeuroMyoGène Institute ©Eric Le Roux – Lyon 1 University Communication Department



# INNOVATION

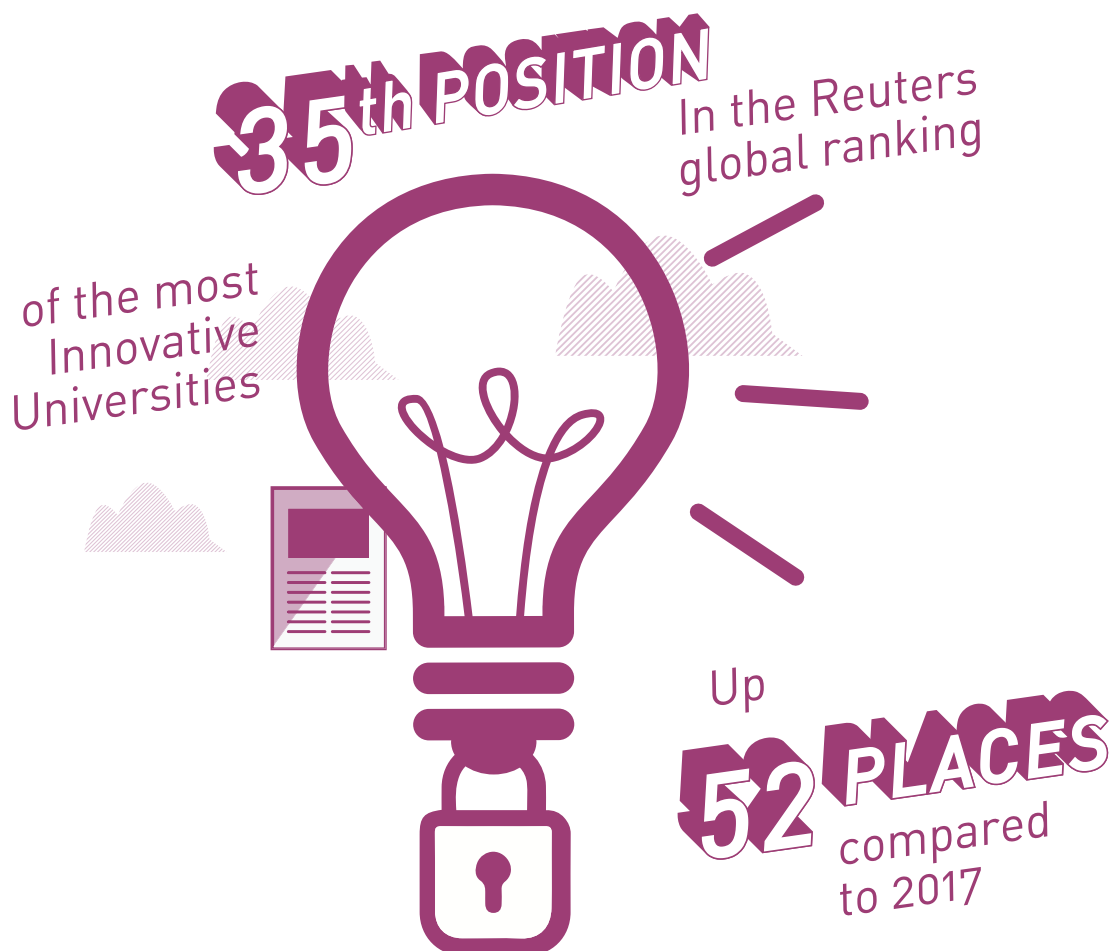
Thanks to research covering a broad disciplinary spectrum and a deep-rooted territorial presence, Lyon 1 University's activities pave the way for large-scale technological development and transfer. Medicine or sustainable development, pollution detection and treatment, biodiversity, food safety, prevention of natural risks: Lyon 1 University develops a proactive research transfer and partnership policy. Since 2013, Lyon 1 University has been the leading French university in terms of the number of patents filed with the INPI.

inpi  
**30**  
PATENTS  
SUBMITTED  
IN 2018

**184**  
ASSETS  
(PATENTS, SOFTWARE,  
KNOW - HOW )  
TRANSFERRED  
TO INDUSTRY

  
**28**  
PROJECTS  
UNDER WAY

  
FRENCH  
UNIVERSITY  
IN TERMS  
OF PATENTS  
SUBMITTED



## IN 2018

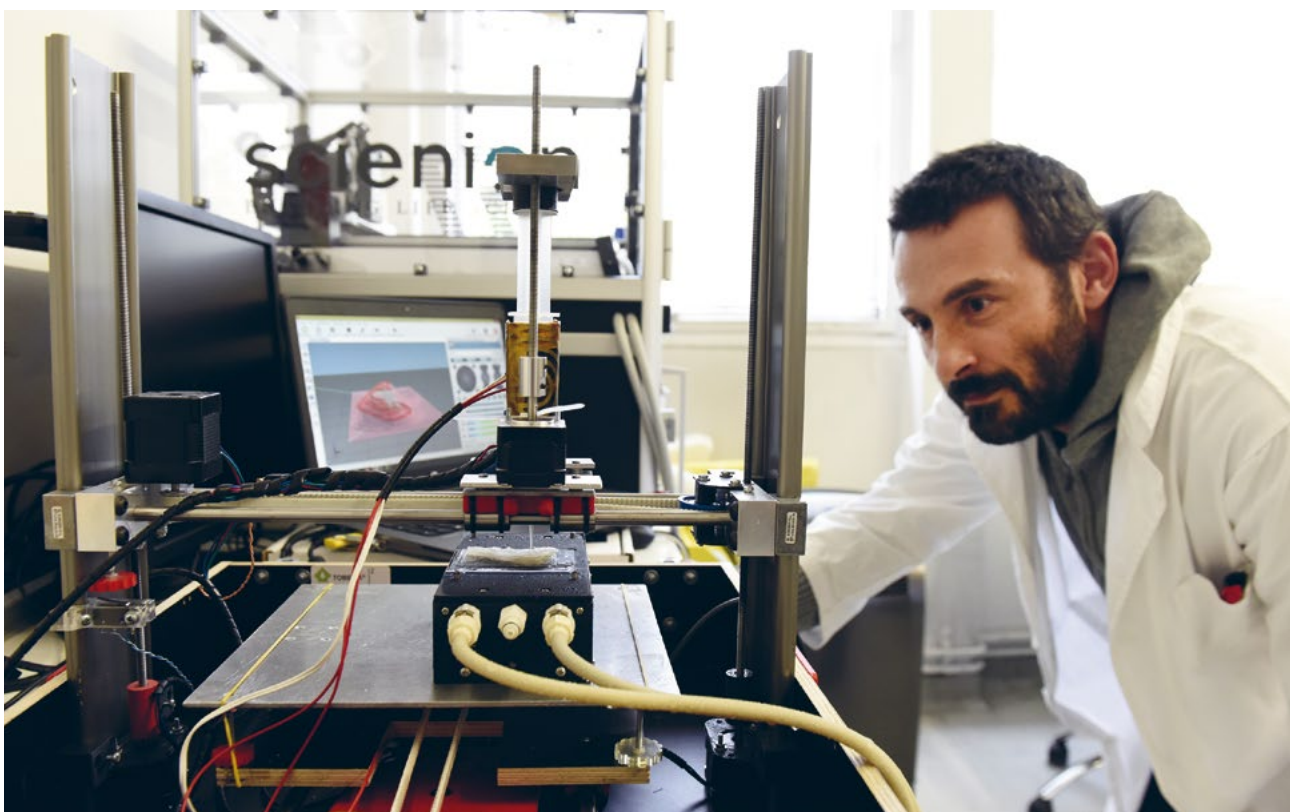
- ◆ In 2018, the Axel'One Campus collaborative innovation platform was inaugurated. This is the last link in a research/industry/SME chain that is unique in France. It is a university structure incorporating an industrial experimentation platform. Axel'One Campus will feed the projects of another two platforms established in Chemistry Valley and accelerate scale-up and transfer to industry.
- ◆ 2018 saw the launch of the ArchaeoMembranes project, coordinated by Lyon 1 University's Microbiology, Adaptation and Pathogenics laboratory. Addressing the French National Research Agency's "Life, health and well-being" challenge, this project aims to develop lipid bilayers that are stable at temperatures above 100°C and extreme pH values. The research poses some fundamental questions concerning life in extreme environments and the origin of the first cells on Earth. This redefinition of plasma membrane characteristics also offers significant potential for biotech applications.
- ◆ A LIRIS laboratory team is finalising a smart database search algorithm, developed in the context of a national partnership involving three universities and the Le Monde newspaper. This project concerns an important social issue, related to computational journalism and the need for tools capable of searching and handling large volumes of documents. The LIRIS team has also developed an application of its algorithm, designed to analyse the voting behaviour of members of the European parliament.
- ◆ Finally, 2018 was marked by the launch of the shared 3D printing platform for medical devices for research. The 3d.FAB platform, developed by Lyon 1 University and the CNRS, pools expertise and resources with Hospices Civils de Lyon. One of the main objectives will be to transfer technological innovations resulting from 3D printing into therapeutic innovations accessible to as many patients as possible.

## FOR 2019

Claude Bernard Lyon 1 University wants to further strengthen its links with industry and hence two new laboratories shared with major industrial groups will be created in 2019. In collaboration with the Pulsalys French technology

transfer acceleration network, Lyon 1 University will also continue its research application policy, via the filing of patents or the creation of start-ups, determined to retain its position as a national leader.

*The shared 3D printing platform for medical devices for research at the Axel'One Campus site  
©Eric Le Roux – Lyon 1 University Communication Department*



# PARTNERSHIPS

Claude Bernard Lyon 1 supports its actions with the world of industry to ensure applications for the research carried out by its laboratories and extend the reach of its educational programmes, in liaison with its subsidiaries Lyon Ingénierie Projets, EZUS-LYON and the Lyon 1 Continuing education and alternating work/study programme department (FOCAL). It mobilises the expertise of its 65 research units to support industry and natural institutional partners, such as Chambers of Commerce and Industry, Aderly (Lyon region economic development agency), competitiveness clusters and platforms. Its positioning enables it to quickly respond to the various requests of its different partners.



**€11.7M**

IN CONTRACTUAL  
RESEARCH



**11**

J O I N T  
LABORATORIES  
INCLUDING 3 ANR  
LYON 1 / COMPANIES

**R&D 7**

FUI OUT OF  
93 SELECTED  
IN FRANCE

49 START-UPS CREATED  
SINCE 2011



## IN 2018

- ◆ En 2018, a special partnership was set up with the Aderly business development department. The objective was to put businesses wishing to set up a site in Lyon in contact with the University's researchers. As a result, the first contacts were made between the Institute of Cognitive Sciences - Marc Jeannerod and the AUTICIEL company and the Institute of Light and Matter with optics and optronics sector companies. Another objective concerns the professional integration of young doctors in liaison with the University's Careers Guidance Department.
- ◆ 2018 also saw the implementation of innovative projects: the joint Academic Standards for Cookware Industry (ASCI) laboratory, for the development of innovations resulting from exchange between industrial know-how and academic knowledge, was inaugurated on 4 October 2018; the Innovation - Structure Materials project was selected in the context of the IRICE call for projects launched by the Region. It will offer companies services in the fields of infrastructure, civil engineering and materials. This brings the number of laboratories with contracts with a company to eight.
- ◆ By structuring its offer, Lyon 1 University has strived to transmit the expertise of its laboratories via events publicising its researchers' activities to the world of industry and civil society. For example, the University participated in the first Cosmet'inLyon skin science event, bringing together regional research and industry partners around the cosmetic product value chain, and in TASS(K)IN DAYS, which brought together 675 people to participate in a programme of lectures, half of which were given by speakers from Lyon 1.
- ◆ In 2018, Lyon 1 University also reinforced its special relationships in the field of energy with major nuclear players, such as FRAMATOME, with the sponsorship of two Lyon 1 courses in the nuclear field, or the French Nuclear Energy Society (SFEN) via the "Nuclear professions: innovation and optimism" event held on 29 November 2018.
- ◆ Lyon 1 contributed to the "Biggar Economics" survey of the *Coordination des Universités de recherche intensive françaises* (network of French intensive research universities) demonstrating the importance of the economic and societal contribution made by intensive research universities, the gross added value of which represents 39.4 billion euros and 320,000 jobs for France.
- ◆ Finally, the University actively participated in the creation of the SUP partnership network. The first meeting of this network in June 2018 represented the first step towards the creation of a national structure for socio-economic partnership missions.

## FOR 2019

After the success of the first University/Companies meeting day, on the initiative of Lyon 1 University, the Lyon métropole chamber of commerce and industry, the European Centre for Cosmetology and competitiveness clusters (Lyon Biopôle, Plastipolis, Axelera, etc.), a second Cosmet'inLyon day will be organised in July 2019. The signing of two agreements

will further reinforce our partnerships in 2019: the "nuclear industry training programmes" agreement with EDF and the agreement with the company ACOEM, in the field of materials and sensors. Finally, following the success of the TASS(K)IN DAYS lectures, largely given by our researchers and faculty staff and aimed at the general public, the event will be repeated in 2019.

2018 saw the launch of the ASCI joint laboratory.  
©Eric Le Roux – Lyon 1 University Communication Department / Charles Siaux



# INTERNATIONAL RELATIONS


Strengthening of its links with several foreign universities, stepping up of student and teaching staff mobility: Claude Bernard Lyon 1 University has a very active international policy, as a look back at 2018 clearly shows. In addition, Lyon 1 University is included in all the top international rankings, confirming its excellence and the university's appeal, both in terms of research and educational programmes.

**11**   
ERASMUS+  
PROJECTS  
UNDER WAY

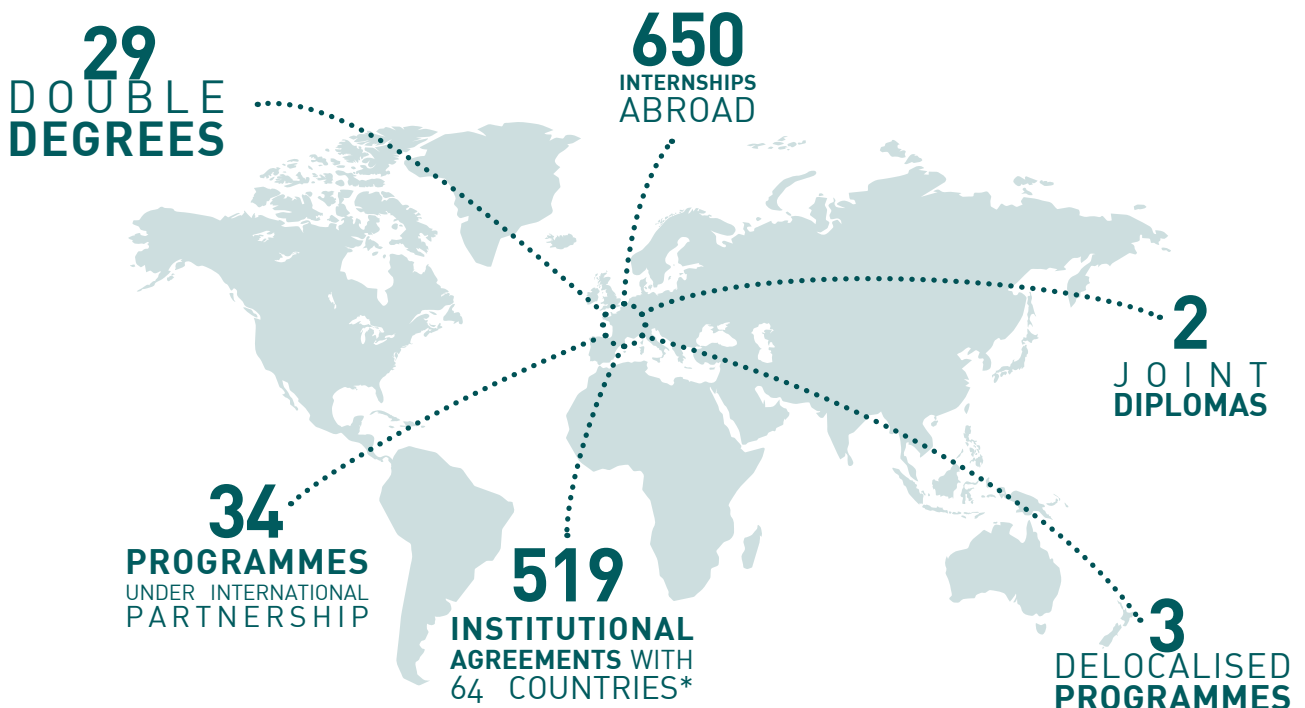
**1,096**   
OUTGOING  
MOBILITY  
STUDENTS

**33 AGREEMENTS  
SIGNED**  


  
**1,059**  
MOBILITY GRANTS  
ALLOCATED PER YEAR

  
**+ 36%**  
INCREASE IN THE  
TOTAL NUMBER  
OF MOBILITY  
STUDENTS THROUGH  
ERASMUS+  
SINCE 2014

## LYON 1 INTERNATIONAL EXCHANGES:



\*including 316 Erasmus+ agreements with 27 countries

## IN 2018

- ◆ In 2018, Lyon 1 University hosted numerous foreign delegations, including an important one from Canada that enabled Lyon 1 to strengthen its links with the University of Ottawa.
- ◆ Lyon 1 also consolidated its important links with China, particularly following the renewal of its agreements with Jiao Tong University in Shanghai, in collaboration with the Hospices Civils de Lyon, and the "Medicine and Humanities" summer school organised in Lyon in the context of the Lyon - Ottawa - Shanghai cooperative project.
- ◆ Teaching teams were encouraged to develop programmes delivered in English, and partnership opportunities in English-speaking regions in Thailand, Australia and Malaysia were initiated.
- ◆ Regular communication was established with the Erasmus-France agency in order to target the submission of Erasmus Mundus, Strategic Partnership, International Credit Mobility and Capacity Reinforcement projects.
- ◆ Student and teaching staff mobility (incoming and outgoing) was also reinforced, and aids specific to the university were created in order to support outgoing mobility for Lyon 1 students.
- ◆ This year, the Europe Department was reinforced in order to support faculty members putting together Erasmus+ projects. This unit also handles the administrative procedures for projects that are accepted.

## FOR 2019

In 2019, Lyon 1 will continue its incentive policy to promote the outgoing mobility of its students and its administrative and teaching teams. In addition, following the approval of the International Credit Mobility project with Israel, the University will host students, teaching staff and administrative staff in 2019 in the context of this project. Finally, the "European

University" project, coordinated by the University of Grenada in partnership with the universities of Padova, Leipzig, Vilnius, Graz, Bergen and Lyon, will be submitted in 2019. This European Commission pilot project aims to promote and reinforce the quality, performance, appeal and international competitiveness of higher education.

*Launch of the 2018 edition of the Medicine and Humanities school in Lyon.  
©Sabrina Baulard - Lyon 1 University International Relations Department*

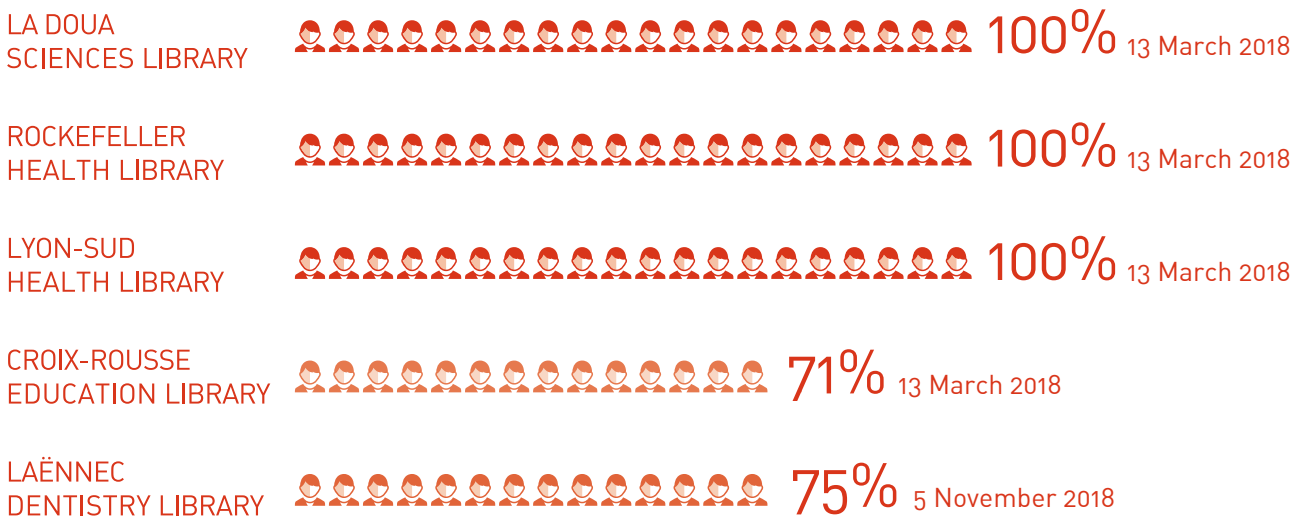


# LIBRARY RESOURCES

Offer students open living and study spaces, provide researchers with the journals and articles they require for their work, propose relevant services aimed at the entire university community and organise high-quality cultural events... such are the principal missions of the Claude Bernard Lyon 1 University libraries. Structured around an organised network of nine libraries, Lyon 1's university libraries (BUs) have some 2,500 seats in a variety of spaces adapted to students' needs (reading rooms, group work rooms, individual spaces, IT spaces, etc.). Awarded the NoctamBU+ label, three Lyon 1 university libraries now welcome students 7 days a week at three different sites (LyonTech - La Doua, Rockefeller and Lyon Sud), for up to 14 hours per day.



## MAXIMUM OCCUPATION RATE OF UNIVERSITY LIBRARIES IN 2018



## IN 2018

- ◆..... The first and only quality-certified university library (ISO 9001-2008 certification awarded in 2015) in France, the Lyon 1 university library was again awarded 2018 ISO 9001, version 2015 certification in 2018, for a further period of three years. In addition to the quality of the services proposed and their suitability in terms of matching user needs, this certification confirms the dynamism of the libraries and their capacity to innovate.
- ◆..... In 2018, the Lyon 1 university libraries continued their strategy of extending their opening times. Since mid-November 2018, the Lyon Sud library has been open from 10 a.m. to 8 p.m. on Sundays to cater for the site's 4,500 health students.
- ◆..... Two mini Learning labs were opened in the Gerland university library in the spring of 2018. Adapted to both new learning practices and the need of students to explore new working methods, these innovative spaces are proving to be a great success. They are accessible to the university community as a whole.
- ◆..... Actively involved in the support of open science, the university library supported numerous initiatives in 2018, via both assistance for publishers active in the transition towards open access, and the funding of innovative publication or institutional subscription methods. It also played a significant role in helping researchers submit their publications to the HAL open-access archive, with more than 10,000 submissions in six months.
- ◆..... The Lyon 1 university library contributes to the University's cultural programme each year. For the 2018 Science Festival, the Sciences university library was turned into a botanical garden! For its plant exhibition, it worked closely with the site's research laboratories and gave visitors the chance to discover the collections of the Lyon 1 Herbarium, the biggest university herbarium in France.

## FOR 2019

In 2019, the Lyon Sud health library will double its surface area, with an additional 180 places, available from the spring of 2019 (individual booths, collaborative work rooms, learning lab). Other projects will be put in place in the Lyon 1 university libraries in 2019. In the context of the Excellence Collections programme, the Joint Library Resources Department will instigate data management plans in physics and chemistry and carry out preliminary digitization operations on botanical

collections. From January 2019, the self-learning tutorial on information retrieval in Education will be accessible to all on the university library website, where it will join the sciences and health tutorials. Finally, following the large-scale satisfaction survey conducted between 12 November and 9 December 2018, the Lyon 1 university library will analyse the 4,661 responses obtained in order to ensure its services are increasingly adapted to users' needs.

Sciences library reading room ©Eric Le Roux – Lyon 1 University Communication Department



# BUILDINGS AND FACILITIES

The various Claude Bernard Lyon 1 University sites are evolving and adapting to ensure they are ever better tailored to meet the criteria of major international campuses today. From the LyonTech - La Doua campus, where the Campus Development Plan is in full swing, to the Tamaris site in the Var, Lyon 1's buildings and facilities are constantly evolving to continuously improve the quality of the surroundings for students and staff alike. Ambitious real estate projects are now reaching completion and will enable the development of facilities to support research excellence. Students' quality of life is also a priority for the University, hence the extensive renovation work being carried out throughout the teaching buildings and associated living spaces.



**€30M**

IN INVESTMENT



**9,000**

MAINTENANCE  
INTERVENTIONS

**40**

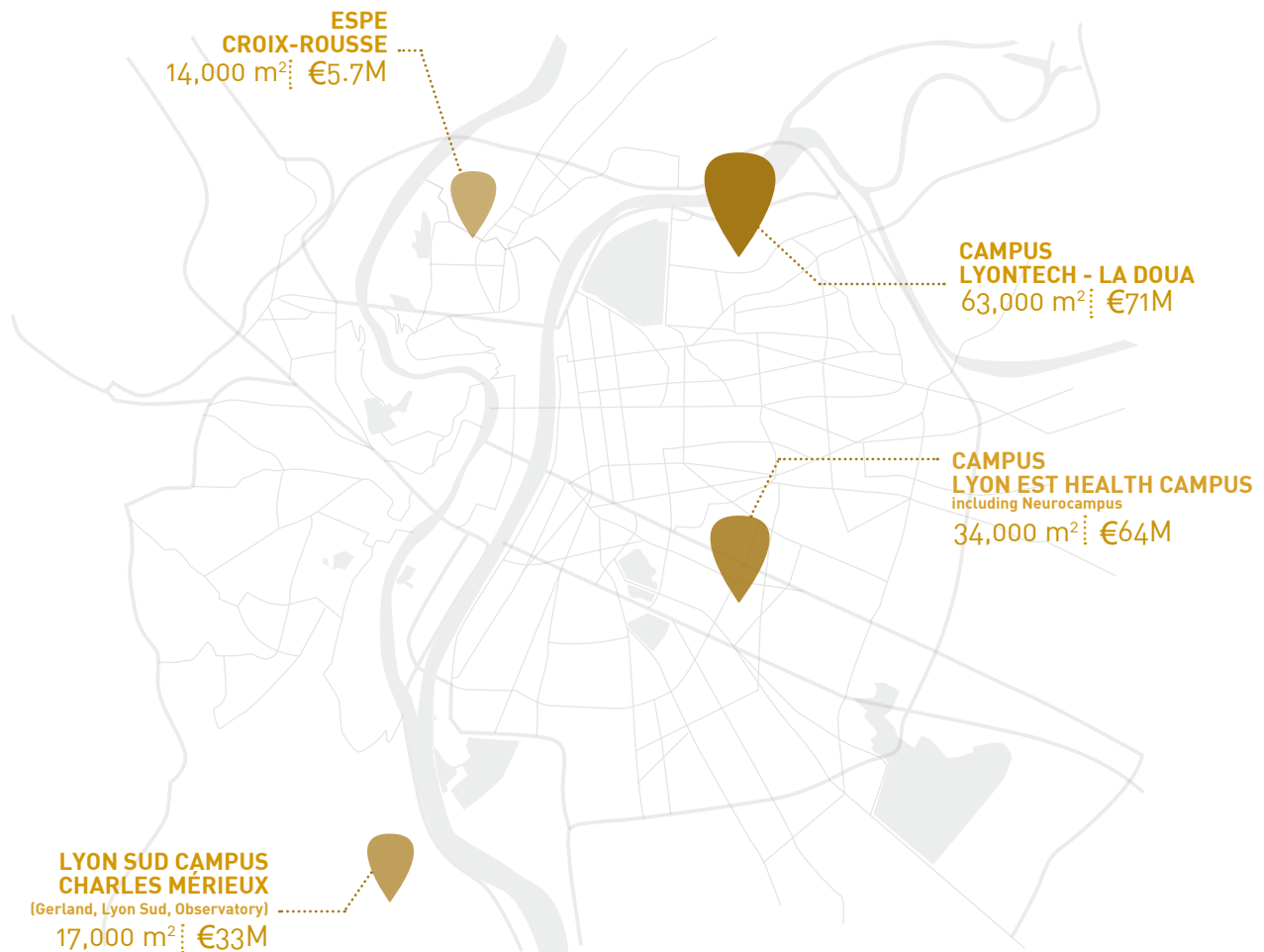
LONG-TERM  
INVESTMENT  
PROGRAMME  
OPERATIONS



**25,900 m<sup>2</sup>**

RENOVATED IN  
**2 0 1 8**

## REAL ESTATE OPERATION: BUILDING SURFACE AREA CONCERNED AND INVESTMENT COSTS



## IN 2018

- ◆ The inauguration of the Edgar Lederer building (€17.3 million) made it possible to host six teams from the Institute of Molecular and Supramolecular Chemistry and Biochemistry (ICBMS) and three platforms, i.e., around 170 people. The facility is particularly energy-efficient.
- ◆ Of the 12 buildings concerned by the LyonTech - La Doua Campus Development Plant, five were delivered in 2018: Chevreur, Kastler, Brillouin, Lippmann and Oméga.
- ◆ Begun in the spring of 2017, the construction of the Neurocampus building (€20.25 million) on the Vinatier site was delivered in December 2018. This will make it possible to host some 200 researchers and faculty staff at the start of 2019.
- ◆ In the context of the renovation of a number of large lecture theatres, 2018 saw the completion of work on the Depéret and Caullery lecture theatres on the LyonTech - La Doua campus, and lecture theatres 3 and 3bis on the Rockefeller site.
- ◆ Launched in the summer of 2017, work to repair the façade of the teaching building housing the Financial and Insurance Science Institute (ISFA) at Gerland was completed in March 2018.
- ◆ Work on the building of the European Centre for Nutrition and Health and the European Lymphoma Institute (CENS-ELI: €15.85 million) has continued on the Lyon-Sud site. The building will be delivered in April 2019.
- ◆ Carried out as part of the Axe Vert (Green Way) project, the rehabilitation of Square Evariste Galois began in 2018 and will be completed at the start of 2019.

## 2019 PROJECTS

Renovation work at Claude Bernard Lyon 1 University will continue in 2019, with the completion of numerous operations at the Rockefeller site and the start of the last work as part of phase 2 of the requalification, continuation of the LyonTech - La Doua Campus Development plan, as well as renovation of the classrooms and labs in the Darwin and Oméga buildings. On the Lyon Sud site, the university library extension

will be delivered at the start of 2019. Studies for the paramedical centre project and for the construction of student housing (CROUS) at the Santé-Est health site will continue, as will those being conducted for upgrading of the Tamaris site. The operation to restructure the roads on the LyonTech - La Doua campus will begin in the Spring of 2019.

*Inauguration of the Chevreur building ©Eric Le Roux – Lyon 1 University Communication Department*



# CAMPUS LIFE

Lyon 1 University implements an active social action, sports, cultural and leisure policy for its staff. Since September 2017, these actions have been managed by the Committee for Staff Leisure and University Social Action (CLASUP): a service that organises university community events throughout the year and manages aids available to staff. Quality of life on campus is also guaranteed at Lyon 1 by the vitality of its 77 student associations and student involvement, actively supported by the university.



**77**

STUDENT ASSOCIATIONS



**€100,000**  
OF UNIVERSITY  
INITIATIVE  
SOCIAL AID











**1,550**  
PEOPLE AT  
THE CHRISTMAS PARTY

**687**

DISABLED  
STUDENTS  
BENEFITED  
FROM SPECIFIC  
ARRANGEMENTS FOR EXAMS  
AND/OR STUDIES

## THE INCREASE IN THE NUMBER OF STUDENTS WITH A DISABILITY SUPPORTED BY OUR SERVICES

2010-2011		<b>275</b> students
2011-2012		<b>305</b> students
2012-2013		<b>324</b> students
2013-2014		<b>415</b> students
2014-2015		<b>471</b> students
2015-2016		<b>516</b> students
2016-2017		<b>558</b> students
2017-2018		<b>687</b> students

# IN 2018



## Social

In 2018, the Committee for Staff Leisure and University Social Action (CLASUP) continued to set up University Initiative Social Actions (ASIU) to provide financial assistance to staff in a variety of areas: child care and tutoring, moving home, enrolment on BAFA (youth work diploma) courses, higher education funding for children, etc.



## Social

In 2018, 34 weekly sports workshops were offered to all University staff, with more than 500 enrolments (more than 1,000 hours of sport) including six new activities (Tai-chi, Capoeira, Pilates, Nordic Walking).



## Social

The CLASUP organises the biggest sports event for staff on the last Thursday in June. In 2018, almost 700 members of staff (Lyon 1/CNRS/INSA/IRSTEA) took part in the event. The service also offers a large choice of tickets for events, a fun park, a climbing wall, an aquatic fitness centre and access to more than 80 cinemas at special rates, representing the management of more than 6,000 tickets in 2018.



## Social

In the context of Lyon 1 University's inclusive policy for students with disabilities, 2018 saw the launch of an introductory course in French sign language for students on the Science Technology and Health degree course, as well as the acquisition and implementation of three telepresence robots and an additional ten portable telepresence systems (KUBI) to enable students unable to be physically present at the university for health reasons to continue to take their classes.



## Student life

The start of the university year in September 2018 was marked by the organisation of the first integration week dedicated entirely to welcoming new students at Lyon 1. A number of convivial and festive events were organised: a Garden party and Olympiads open to all, and a giant escape game specifically for 1st-year Science Technology and Health degree students, staging a zombie invasion!



## Student life

In April 2018, the University became the first Lyon-Saint-Etienne site to open a health centre. The centre offers students medical consultations, for which it accepts third-party payment, and free preventive health and psychology consultations. This change will improve students' access to health on the campuses and reduce failure to seek healthcare.



## Student life

2018 was once more marked by the vitality of student life with more than 120 projects funded to the tune of €346,270 and a sum allocated to students in difficulty of €110,000 (compared to €66,000 in 2017) as part of the Student Initiative Solidarity and Development Fund (FSDIE). The increase in assistance offered to students in difficulty is related to the recruitment of a fourth social worker at the University since the start of the 2018-2019 academic year in order to better need student demand.



## Student life

In 2018, the University continued to actively support its student associations with more than €90,000 in operating and investment subsidies and the implementation of courses to support them in the construction of Student Initiative Solidarity and Development Fund projects. 2018 also saw the implementation of mechanisms in recognition of student involvement or high-level artist status.



## Safety on campus

Day to day, the University does all in its power to limit risks and ensure the safety and protection of its users. In addition, in case of a major incident, the University has set up a crisis unit and a warning system.

*Integration week for new students at Lyon 1, made up as zombies as part of a giant escape game  
©Eric Le Roux - Lyon 1 University Communication Department*



# CAMPUS LIFE

The University continues to be committed to ensuring its cultural and sports activities that liven up campus life are accessible to all. It implements an ambitious cultural policy, leading to a rich programme of events, including theatre, music, dance, exhibitions, debates, social events, etc. With its sports association, it deploys a strategy that enables each student to have access to the broadest possible sports experience, to make physical exercise part of their routine and to promote their involvement in numerous projects.



**17,000**  
STUDENTS  
TAKE PART IN  
A SPORT

+ 30%  
OF  
WOMEN



**2,338**

MEMBERS OF THE  
LYON 1  
SPORTS ASSOCIATION



**4,500**

VISITORS TO THE  
DOMUS  
GALLERY  
5 EXHIBITIONS IN 2018



**91**

SHOWS  
WITH 9,150  
SPECTATORS  
AT THE THÉÂTRE ASTRÉE



**13**

ARTS  
WORKSHOPS



## IN 2018



### Sport

Of the 10,500 students awarded a sports score as part of their course, 141 students benefited from special arrangements in 2018: 43 of them benefited from the initiative providing access to sports during SUAPS (University Office of Physical Fitness and Sports) classes and 34 students took part in adapted sports classes.



### Sport

Around thirty events are organised each year by Lyon 1's Sports Association students. This dynamic approach in terms of associations and solidarity is part of student and campus life. These sports nights, tournaments and training courses concerning participation in associations, among other events, play an integral role in students' development towards working life thanks to the team work and project management aspects involved.



### Sport

On an international level, 2018 was marked by a number of sports events: participation in a men's and women's basketball tournament in Taipei, hosting of the men's football team from the University of Political Sciences of China in Beijing, organisation of a women's rugby tournament in Ovalyonne, participation in the Florence marathon; participation and winning of medals at the EUSA Games and Universiades 2018.



### Culture

As part of the "Music and Flavours of the world" programme, three free concerts (SCHINEAR project, Samarabalouf, Trobairitz Ensemble) were put on for Lyon 1 staff, who were also able to enjoy a meal including some of the flavours associated with the country's concerned.



### Culture

The 2018 Higher Education Arts and Culture Days (JACES) were an opportunity to organise five events, including the Lyon 1 "A murs ouverts" (Open walls) photography exhibition and a "Cyanotype" photo workshop attended by 340 people.



### Culture

Lyon 1 fully embraced the 2018 Dance Biennale festival: 63% of students and 37% staff from the university community (Lyon 1, Lyon 2 and Lyon 3) took part in the parade on 16 September 2018.

## FOR 2019

In 2019, Lyon 1 University will continue to implement social initiatives aimed at its students and staff and will pursue its policy of promoting access to studies, sport and culture for all. To meet this priority objective, Lyon 1 plans, in particular, to support even more students with disabilities and to modify the criteria for awarding financial assistance in the context of the University Initiative Social Actions (ASIU) so that more staff can

benefit. Keeping its Sports Association in its number 1 position in France and developing international sports initiatives are also some of Lyon 1 University's objectives for 2019. 2019 will be an intense year in cultural terms too, with Lyon 1 playing an increasingly bigger role in the Higher Education Arts and Culture Days mechanism and an increase in the number of arts workshops, including joint workshops with Jean Moulin Lyon 3 University.

"De l'air" show at the Théâtre Astrée ©Philippe Schuller



# SCIENTIFIC CULTURE

The dissemination of scientific, technical and industrial culture is one of the major societal challenges that today's universities have to address. Historically, Claude Bernard Lyon 1 University has demonstrated its expertise when it comes to dialogue between science and society, as reflected in a rich history of diverse actions aimed at schools and the general public, as well as staff and students. Accordingly, it makes an active contribution to scientific citizenship, across its territory and beyond, via the sharing of knowledge, debates on scientific priorities and the sharing of a common history.



**+200**  
ACTIVITIES  
ORGANISED BY  
LYON 1 OPEN  
UNIVERSITY



**85,000**  
PAGES VIEWED ON  
**SCIENCES  
POUR TOUS**  
[SCIENCE FOR ALL]



**1** MOBILE  
APP:  
**"OPALE"**  
ABOUT THE TREES  
ON THE LYONTECH-  
LA DOUA CAMPUS

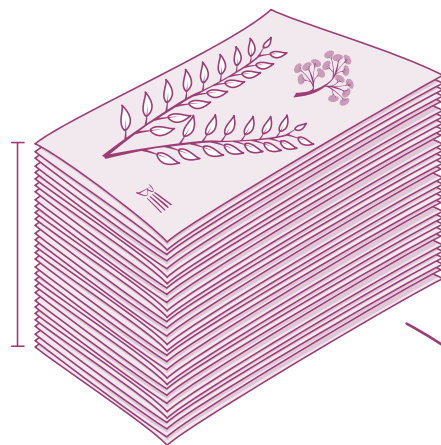


**+400**  
STAFF AT MONTHLY  
**EXPRESSO  
MEETINGS**

## DIGITIZATION OF THE ROLAND BONAPARTE HERBARIUM:

**640,000**  
plates

**3 million**  
specimens



28,000 euros in  
participatory funding

**3,000 pages**  
digitized  
per day



## IN 2018

- ◆ In 2018, Lyon 1's zoology collections saw the launch of a research and development project with the company IMAGENE, in partnership with the National Museum of Natural History in Paris and Lyon 1 University's LEHNA laboratory. This project aims to develop an ambient-temperature encapsulation process for small tissues of organisms for subsequent extraction of nucleic acids (DNA & RNA).
- ◆ The Biometrics and Evolutionary Biology Laboratory designed a series of short videos, entitled "points in common" presenting the evolutionary lines of different species. These have been shown in the Lyon public transport network throughout 2018/2019.
- ◆ In addition to its large-scale campaign to digitize its iconic collection (which belonged to Prince Roland Bonaparte), the Lyon 1 Herbarium participated in three major exhibitions: "Les plantes, Un monde en mouvement" ("Plants, a world in motion") (Lyon 1 Sciences library); "La médecine à l'époque Romaine" ("Medicine in Roman times" (Fourvière Gallo-Roman museum); "51 Nuances de vert" ("51 Shades of green") (Aix-en-Provence Natural History Museum).
- ◆ In the context of the 2018 Children's Science Conference, around one hundred primary schoolchildren from Vaulx-en-Velin were hosted at Lyon 1 University on 12 June 2018. The eight PhD students from Lyon 1 having supervised these children during the conference and its preparation also took them on a tour of the University. Colours, origami, molecular cooking, forensics, magic and mathematics: the schoolchildren were able to discover the world of science and research via a number of fun workshops specially conceived for the occasion.
- ◆ The Lyon 1 crystallography collection was on the agenda of the "Sciences and history" programme organised by the Open University and aimed at all publics.
- ◆ For the second time, Lyon 1 hosted the Lyon Science festival, a free event designed to make science accessible to all. 600 people attended the event, 150 more than in 2017.
- ◆ To coincide with the 2018 Science Festival, the National Association of deaf young scientists held its annual conference at Lyon 1 University, in partnership with the Lyon 1 disability mission. Workshops open to the general public and school pupils were also organised, to raise awareness of the need to increase the scientific vocabulary of sign language.
- ◆ Finally, the Faculty of Pharmacy's Herbal Medicine Collection has begun to digitize its inventory, with 480 samples digitized in this first year.
- ◆ 21 scientific outreach initiatives aimed at the general public were supported by Lyon 1 University across all its themed fields.

## FOR 2019

In 2019, Lyon 1 will continue its efforts and constantly increasing focus on sharing and disseminating knowledge. The process to make its scientific heritage accessible to all publics will be continued, with, in particular, the digitization of a further two collections of the Lyon 1 Herbarium, with a view to making them available on the national e-Recolnat database. A website dedicated to the herbal medicine collection of the Lyon 1 Institute of Pharmaceutical and Biological Sciences will also be created. This descriptive and educational website will constitute a learning support for the recognition of

medicinal herbs in their dry state, i.e., herbal medicines. The project is based on photographs of the herbal medicines, the creation of fact sheets and a self-assessment quiz. Finally, the Resource Centre for Sciences and Evolution (CERESE), which groups together natural science collections, is working on the development of a virtual visit tool for its collections. Science Festival, Heritage Days, hosting of budding young researchers and other important events will give us the opportunity to meet and welcome thousands of visitors on our campuses, as we do every year.

*"Colours" workshop, during the visit of Vaulx-en-Velin schoolchildren to the LyonTech – La Doua campus, as part of the 2018 "Children's Science Conference".  
©Eric Le Roux – Lyon 1 University Communication Department*



# HUMAN RESOURCES

Claude Bernard Lyon 1 university is continuing its active recruitment policy via job creation and the recruitment of tenured staff. In 2018, the University continued modernising its Human Resources tools and resources. One of its priorities remains that of ensuring its staff are supported and provided with a high-quality working environment, objectives that lie at the heart of Human Resources policy. In particular, Lyon 1 University implements an inclusive policy with respect to disabilities. Its ambition: to work together to construct a flexible environment accessible to all.



**253**  
TRAINING  
SESSIONS



**25**  
SERVICE  
PROJECTS  
FUNDED  
**€45,800**



**53**  
BIATSS  
TELEWORKING STAFF



**176**  
STAFF  
ON MANDATORY  
DISABLED  
WORKER  
CONTRACTS

DEDICATED  
SERVICE FOR  
 **120**  
PHD STUDENTS

## LYON 1 HUMAN RESOURCES PRIORITIES IN 2018:



## IN 2018

- ◆ In 2018, all the staff representative bodies were renewed for a four-year mandate: CPE, CCPANT and CT at University level; CTMESR, CTU and CAPA on a national level.
- ◆ After almost a year of consideration by working groups, in November 2018 the Board of Directors approved the finalisation of the remuneration scheme, taking into account, functions, constraints, expertise and professional commitment: the new reference remuneration tool, RIFSEEP. 1,315 job descriptions for AENES (administrative) and ITRF (teaching/research) sections were evaluated following this process.
- ◆ The HR Department's organisational chart evolved in 2018, with the creation of a "Professional support mission for staff" (MAPP) offering staff personalised support: for their mobility, their professional projects, at their workstations for personnel on disabled worker contracts, etc. It also managements the implementation of telework. 95 staff received support from the careers mobility advisor in 2018.
- ◆ In the context of its commitment to the quality of life at work of its staff, Lyon 1 University wanted to launch a reflection process concerning this issue, via the creation, in November 2018, of a plenary body tasked with reviewing the current situation. A steering committee and working groups will meet from the start of 2019, the aim being to produce a specific plan.
- ◆ Innovative training courses aimed at personnel were offered in 2018, particularly relating to the topics of management, safety, disability and psychological difficulties. 2018 also saw the introduction of training for selection committee presidents and vice-presidents, in order to secure the recruitment of faculty members.
- ◆ A process to computerise promotion applications for CPEs was conducted jointly by the DRH BIATSS and DSI HR departments.
- ◆ In the context of the inclusive policy implemented at Lyon 1 in the area of disability, several events were organised, including the lecture on autism during the "Journées de Partage autour du Handicap" ("Disability sharing days"), the launch with Lyon Universities of the first "Information evening on consideration of disability in higher education" and the hosting of the 3<sup>rd</sup> National Conference of the STIM SOURD group.
- ◆ Since April 2018, pension management for the 12 partner higher education establishments has been handled by the joint PETREL department, which ensures that individual pension accounts are complete and correct, in liaison with personnel. Around 140 pension files have been processed by the department, 38% of which for Lyon 1 personnel.
- ◆ In the area of disability, 2018 saw the adoption of Claude Bernard Lyon 1 University's Disability Master Plan, as well as the recruitment of a "programmed accessibility agenda" project manager (AD'AP).

## FOR 2019

In 2019, Lyon 1 University will continue modernising its Human Resources tools and resources. Hence, the switch to the new Human Resources Management Information System (SIHAM) will take place in March 2019. The actions for continuous improvement of quality of life at work will also be continued in 2019, with, in particular, the implementation of a quality of life at work plan, the arrival of an occupational psychologist and staff support services. Integration and training will also be priorities for the University, with the setting up of a training pathway for new staff, the development of a much broader palette of training

aimed at supervisory staff and dissemination on different media: a welcome booklet for contractual PhD students and a recruiter guide with tools for better consideration of equal treatment of applicants during recruitment procedures. In 2019, the University also plans to roll out a platform for the computerised management of teaching staff on short-term contracts (GAVEL). 2019 will also mark 25 years of the Lyon 1 Disability Mission, with an ever increasing number of staff and students to be supported. Therefore the service will be reinforced, with the recruitment of a third integration and support officer.

Participation of the STIM SOURD Group, a network of scientists developing French sign language for sciences, at the 2018 Science Festival - Sciences Village of the Lyon 1 IUT ©Martin Dutrait



# FINANCIAL RESOURCES

The 2018 financial year has been a particularly busy one in the area of financial and accounting management. The financial services and accounting departments were particularly mobilised in the context of the audit of the 2011-2017 period. The main figures resulting from implementation of the 2018 budget, very similar to those in 2017, reflect the establishment's sound financial health. 2018 will also have been marked by the reinforcement of the management dialogue mechanism and a specific focus on long-term planning, particularly in the context of real estate projects.



ACCOUNTING  
INCOME:  
**5.2**  
MILLION  
EUROS



WORKING  
CAPITAL  
**€73.3M**

## IMPLEMENTATION RATE (DATA FROM BUDGETARY ACCOUNTING):

■ 2018  
□ 2017

INVESTMENT:



OPERATION:



STAFF:



## IN 2018

- ◆ In 2018, Lyon 1 continued to overhaul its management dialogue mechanism, at every level of the organisation. The characterisation of departments and the formalisation of budget documents have become steering tools serving governance. Budget meetings are ideal forums for exchange between governance and departments. The link between long-term contract, budget, annual performance contract and objectives and resources contracts is even more visible.
- ◆ Long-term planning was one of the priorities of financial departments. Via even closer cooperation between the various departments (Financial Services Department (DSF), Building and Facilities Department (DIRPAT), Information Systems Department (DSI), Risk Prevention Department, Safety Department, Inter-Site Network Services Centre (CISR)), Lyon 1 made investment commitments to third parties for sums exceeding 35 million euros in 2018.
- ◆ The 2017 financial accounts were approved by the Board of Directors in February 2018, with no reservations formulated by the auditors for the first time since the responsibilities and competence of universities were expanded, thereby recognising the quality and reliability of the establishment's accounts.
- ◆ Financial departments have embraced a user-oriented approach. Hence, service contracts between management divisions and research departments and units were extended in 2018. Via these contracts, the financial services department makes commitments in terms of processing time-frames and quality. For their part, research departments and units undertake to supply all the data required for correct processing of dossiers.
- ◆ The business travel department set up in 2017 has become a veritable shared services centre. In addition to the administrative processes it handles for the university community, it also provides day-to-day support by monitoring traveller safety as well as offering advice and training.
- ◆ The implementation of the financial and accounting chain simplification plan continued in 2018 with the effective roll-out of the tool to computerise mission order requests (DEDOM). With this intuitive tool, available on the intranet, the request validation circuit is computerised and replaces Excel file exchanges. More than 9,500 computerised mission order requests were thus made in 2018.
- ◆ The financial services and accounting departments continued their work to optimize the end-of-year budget calendar. Users were therefore able to place orders up to 21 December 2018 and have access to their credits from 4 January 2019, representing a budget closing period of one day.
- ◆ In terms of public purchasing, and in line with the work of the Public Auditors, the rate of contract coverage increased from 47 to 71%. Lyon 1 University continued to reinforce its links with suppliers at a second meeting between the governance body and the establishment's main suppliers.
- ◆ New revenue collections streams were introduced, in particular: for the University Health Centre, created within the University Health Service, for consultations and medical procedures with third-party payment schemes for students; for enrolments, with abandonment of direct payment of fees (social security, preventive medicine and sport) for the Student Life and Campus Contribution (CVEC).
- ◆ The work carried out by the Accounting Office over a number of months, reduced overall payment terms in accordance with the regulations. The computerisation of supplier invoices progressed, thanks to a campaign conducted to encourage suppliers to submit their invoices on the Chorus Pro portal.
- ◆ Analytical accounting work was formalised in terms of training and research. Combined with the Annual Performance Report (RAP), this work was supplemented during the course of the year by economic mapping of Education Science and Teacher Training (ESPE).
- ◆ The 2018 financial and accounting management training plan was fully rolled out in 2018. It has now been consolidated by a themed workshop system (SIFAC), whereby administrators are hosted throughout the year to share their practices and difficulties with Financial Services Department and Accounting office experts.
- ◆ Finally, in 2018, financial services and accounting departments implemented a flow cleaning system to improve accounting quality.

Second university supplier meeting ©Eric Le Roux – Lyon 1 University Communication Department



# 2018 IN PICTURES



## MARCH

Digitization of the Lyon 1 Herbarium, first in situ digitization in France.



## APRIL

"À murs ouverts" (Open walls) photography exhibition, Higher Education Arts and Culture Days (JACES).



## APRIL

Inauguration of the Axel'One Campus site.



## JUNE

Hosting of Vaulx-en-Velinat primary school pupils at Lyon 1 as part of the 2018 Children's Science Conference.



## JULY

Renewal of the agreement between the University of Ottawa and Lyon 1.



## SEPTEMBER

Integration week for new students at Lyon 1.



## SEPTEMBER

Inauguration of the NeuroMyoGène Institute (Lyon 1/CNRS/INSERM)  
CNRS 2018  
Innovation Medal.



## SEPTEMBER

Inauguration of the LEDERER and CHEVREUL buildings.



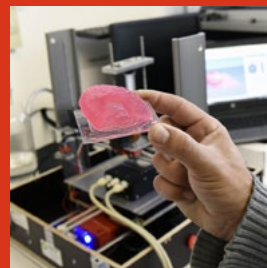
## SEPTEMBER

Visits by Government Ministers Frédérique VIDAL and Roxana MARACINEANU to coincide with International University Sports Day.



## OCTOBER

Inauguration of the joint laboratory between the Multimaterials and Interfaces Laboratory (Claude Bernard Lyon 1 University / CNRS) and the SEB group.



## DECEMBER

Launch of the "shared 3D printing platform for medical devices for research" by the 3d.FAB platform and HCL.



## DECEMBER

"From Matter to Life: Chemistry!" lecture by Professor Jean-Marie LEHN\*

# CLAUDE BERNARD LYON 1 UNIVERSITY ORGANISATIONAL CHART

*President*  
**Frédéric FLEURY**

*Assistant*  
Isabelle DONNAT

*Head of Services*  
Damien VERHAEGHE

*Deputy Services Directors..*  
Murielle BALDI  
Frédérique WOLFF  
Oiasfi CHAABNIA  
Paul POUILHE

*Accountant*  
Jean-François KAPPS

*Target University Advisor*  
Paul POUILHE

## Subsidiaries

EZUS  
Lionel  
PONCIN DE LA  
TOURNERIE

LIP  
Javier  
OLAIZ

*Communication Director*  
Béatrice Dias

*Prevention advisor*  
Delphine BOURGOIS

## Departments

### Sciences & Technology Sector

*Faculty of Sciences and Technologies (FST)*  
Fabien DE MARCHI

*Biosciences Training and Research Unit (UFR)*  
Kathrin GIESELER

*Faculty of Sciences Training and Research Unit (UFR)*  
Bruno ANDRIOLETTI

*Sports Sciences Training and Research Unit (STAPS)*  
Yannick VANPOULLE

*Institute of Financial Science and Insurance (ISFA)*  
Nicolas LEBOISNE

*College of Teaching and Education (ESPE)*  
René CHAREYRON

*Observatory of Sciences of the Universe (Observatory of sciences of the universe)*  
Isabelle DANIEL

*Polytech Lyon*  
Emmanuel PERRIN

*Institut Universitaire de Technologie (university institute of technology, IUT)*  
Christophe VITON

### Healthcare

*Faculty of Medicine Lyon Est*  
Gilles RODE

*Medical studies Coordination Committee*  
Pierre COCHAT

*Faculty of Medicine and Midwifery Lyon Sud - Charles Mérieux*  
Carole BURILLON

*Faculty of Dentistry*  
Dominique SEUX

*Institute of Rehabilitation Sciences and Techniques (ISTR)*  
Xavier PERROT

*Institute of Pharmaceutical and Biological Sciences (ISPB)*  
Christine VINCIGUERRA

*Human Biology Department*  
Anne-Marie SCHOTT

## Joint facilities

*Innovation Design and Pedagogical Support Office (ICAP)*

Isabelle ROGOWSKI

*Continuing Education Department (FOCAL)*

Éric PEYROL

*Joint Language Instruction Office (SCEL)*

Angéline DURAND-VALLOT

*Student Guidance and Professional Integration Department (SOIE)*

Brigitte PAULIGNAN

*Joint Library Resources Department (SCD)*

ISABELLE ÉLEUCHE

*Open University*

Anne PILLONET

*Committee for Staff Leisure and University Social Action (CLASUP)*

Marc BARBAIRE

*University Office of Physical Fitness and Sports (SUAPS)*

François POPP

*University Health Service (SSU)*

Caroline COMBES

## Central services

*Human Resources Department (DHR)*

Frédérique WOLFF

*Financial Services Department (DSF)*

Oiasfi CHAABNIA

*Information Systems Department (DSI)*

Gilles RECH

*Studies and University Life Department Management (DÉVU)*

Anne-Christine HENK

*Research and PhD Studies Department (DRED)*

Marina ROQUES-RAIMONDI

*Legal and Institutional Affairs Department (DAJI)*

Sophie LAHY

*Buildings and Facilities Department (DIRPAT)*

David TINE

*International Relations Department (DRI)*

Catherine GUILLAUMON

*Safety Department*

Stéphane THÉFO

*Risk Prevention Department*

Delphine BOURGOIS

*Staff Occupational Health Office (SMSTP)*

Coordinating physician

Barbara CHARBOTEL

*Interuniversity services*

CISR (Inter-Site Network Services Centre) / SIDD (Domaine de La Doua Interuniversity Services) / SIUAPS (Physical and Sports Activities Interuniversity Services)

# CLAUDE BERNARD LYON 1 UNIVERSITY GOVERNANCE TEAM







# LYON 1 UNIVERSITY IN FIGURES



**45,931**  
STUDENTS

**4,825**  
STAFF  
INCLUDING  
**2,786**  
FACULTY  
MEMBERS

2018 LYON 1  
BUDGET

**421**  
MILLION  
EUROS



**3**  
CAMPUSES  
**11** SITES



**65**  
RESEARCH  
LABORATORIES



**5,542**  
PUBLICATIONS  
IN INTERNATIONAL  
JOURNALS  
FOR 2017 [SOURCE: WOS - UNCON-  
SOLIDATED FIGURE AT 31/12/2017]



**€46.5M**  
IN RESEARCH  
CONTRACTS



**NO.1**  
FRENCH  
UNIVERSITY  
IN TERMS  
OF PATENTS  
SUBMITTED



**13**  
DEGREES  
**50**  
MASTER'S



**10**  
HEALTHCARE  
DIPLOMAS



**€18.3M**  
CONTINUING  
EDUCATION  
TURNOVER IN 2018



**49**  
START-UPS  
CREATED SINCE 2011

## CLAUDE BERNARD LYON 1 UNIVERSITY

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