

*Claude Bernard Lyon 1 University*

# ANNUAL REPORT

→ 2019



Université Claude Bernard



Lyon 1



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LYON 1 UNIVERSITY  
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# LYON 1 UNIVERSITY IN FIGURES



**47,579**  
STUDENTS

**4,572**  
STAFF  
INCLUDING  
**2,835**  
FACULTY  
MEMBERS

2019  
LYON 1  
BUDGET

**419**  
MILLION  
EUROS



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



**66**  
RESEARCH  
LABORATORIES



**5,550**  
PUBLICATIONS  
IN INTERNATIONAL  
JOURNALS



**€43.4M**  
IN RESEARCH  
CONTRACTS



**41<sup>st</sup>** IN  
THE REUTERS  
GLOBAL  
RANKING



**13**  
DEGREES  
**50**  
MASTERS



**10**  
HEALTHCARE  
DIPLOMAS



**€17.5M**  
CONTINUING  
EDUCATION  
TURNOVER IN 2019



**56**  
**START-UPS**  
CREATED SINCE 2011

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# EDITORIAL

**Frédéric Fleury**  
*President of  
Claude Bernard Lyon 1 University*



## OBJECTIVE: UNIVERSITY OF LYON 2020

Along with three other establishments - Jean Moulin Lyon 3 University, Jean Monnet University in Saint-Etienne and the Ecole Normale Supérieure 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 based on our capacity to innovate, in the fields of both research and education, and to invent new ways of living and working together. This new establishment is preparing to meet the challenges facing higher education and research over the next 30 years, while respecting our values and our role to provide an academic public service.

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 thus produce world-class knowledge, based on a strategy developed and shared with national research bodies and local partners, to ensure a greater synergy of resources. Its international profile will be strengthened 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 certain set of values: academic freedom, intellectual rigour, equal opportunities, humanism and universalism, in order to contribute to a better future society.

To achieve its ambition of academic excellence and a top international ranking, the new establishment will be founded on the perfect balance between two imperatives. Firstly, the autonomy of its various components (Education and Research Divisions) in their academic missions, with an organisation and support functions providing the greatest level of agility and performance, based on the expertise of their personnel. Secondly, firm and strategic centralised governance of the establishment, ensuring 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 resulted in the definition of eight education and research divisions, with a high level of integration between universities and graduate schools, and admission to the university being set as a project priority, with a reformed undergraduate programme. This process of reflection continued in 2019 in order to finalise the project and the organisation of the new establishment. We are convinced that the success of this project depends on dialogue and cooperation between all university players, who will all have a role to play.

In 2019, following the proposal by the international panel that interviewed the delegation from the Lyon IDEX on 28 November 2019, the French Prime Minister took the decision to renew the IDEXLYON project, which receives annual funding of €25 million.

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 and pool our strengths in order to succeed and together build the new University of Lyon.

# 2019 AT A GLANCE

*With more than 47,500 students enrolled, including 17,972 new students, Claude Bernard Lyon 1 University once again confirmed in 2019 the appeal of its educational offer, reflecting the quality of our teaching and research. 2019 saw the addition of four new programmes and 13 University Diplomas. This ongoing expansion reflects a determination to offer students top-level courses to prepare them for the professions of the future. By focusing on student guidance and success, our student support policy aimed, as always, to ensure the professional integration of our graduates. Hence, 2019 was marked by the significant development of measures to support student success, including, in particular, the possibility of adapting the length of undergraduate degree courses from two to four years: a measure that proved particularly successful in 2019.*

*This Activity Report provides an overview of all the major actions and successes we achieved together in 2019. We hope this document will show how our strengths and resources are employed each year to pursue our three primary commitments: to support, share and create.*



Lyon 1 University was the first university in Lyon to be certified for continuing education, and in 2019 also became the leading French university in this field, with 20% of the continuing professional development offer published by universities. By adapting to the measures to reform apprenticeships set out in the French “Professional Future” Act, Lyon 1 University demonstrated once again the quality of its continuing education programmes and held its course with regard to one of the key challenges: supporting companies by providing new and relevant training.



In terms of research, Claude Bernard Lyon 1 University continued to position itself in 2019 as a major player at both national and international level. This global profile is reflected, in particular, in the 5,500 scientific works and results produced in its 66 research laboratories in 2019 and published in prestigious journals. In 2019, Lyon 1 University stood out in particular in the fields of molecular biology, astrophysics, the environment and health. It also consolidated its presence in the Lyon area, particularly by the inauguration of the “Lyon Neurocampus” real estate project, which brings together on a single site all the Lyon Neuroscience Research Centre teams and thus reinforces the international profile of Lyon as a centre of excellence for neuroscience. 2019 also saw the inauguration of the Institute of Physics of the 2 Infinities, which is set to become a pioneering scientific cluster for the next major areas of exploration in the sciences of the universe.



With over 5,000 researchers, Claude Bernard Lyon 1 University has significant innovation potential. Its position as a key player in the promotion of research at national and international level was confirmed in 2019 by a high number of patent submissions and business creations. Seven new start-ups were launched in 2019, bringing the number of start-ups created since 2011 to 56. The University also continued to pursue its policy of research partnerships within the Lyon area by taking part in events dedicated to innovation, such as the In-Situ innovation week. A number of major innovative projects were inaugurated in 2019, such as the Behaviors.ai project to develop robots capable of better interacting with humans by learning from their past experiences, and the prototype for a new type of unique clinical scanner (SPCCT - Spectral Photon Counting CT), making it possible to obtain hitherto unseen in vivo images of the entire human body.



In 2019, Claude Bernard Lyon 1 University also continued to reinforce its international relations. In June 2019, Lyon 1 University was selected following the “European Universities” call for proposals and has since been participating in a European initiative extending to 2025 and 2030 through the ARQUS project, the ultimate aim of which is to create a network of European universities sufficiently powerful and integrated to offer students a European qualification.



In terms of resources, our libraries have continued to invest in order to offer students and the entire university community accessible, welcoming spaces for living, working and studying, as well as appropriate services and high-quality cultural events. Lyon 1 University has the only ISO 9001-2015 certified university libraries in France, recording 2,289,380 visits in 2019. Awarded the NoctamBU+ label, they were accessible to students seven days a week, for up to 14 hours a day.



Real estate operations continued within Lyon 1 University in 2019 in order to further improve the conditions for accommodating teaching and research. Major operations in 2019 chiefly concerned the requalification of the Rockefeller building as part of the LyonTech - la Doua Campus plan, the opening of the CENS-ELI building which is home to the European Centre for Nutrition and Health and the European Lymphoma Institute, and the expansion of the university library.



Like every year, the University implemented an ambitious policy for quality of life on its various campuses, providing extensive access to culture and sport for all, as well as the necessary social support to help everyone achieve success. Students and staff at Lyon 1 University thus benefit from a rich cultural offer and an extensive programme of productions and exhibitions, particularly at the Théâtre Astrée and the Domus Gallery. Sport also contributes to student success at the university and a number of sporting activities and events were organised over the course of the year. 93 student associations further enhance the quality of life on campus and the University actively supports student involvement in this area. A common theme linking actions funded by the Student Life and Campus Contribution in 2019 was therefore to offer students new services, on the one hand, but also to support student initiatives. Lastly, 2019 saw the inauguration of the Lyon 1 University Health Centre. Claude Bernard Lyon 1 University is attentive and committed to its students' well-being, and this centre will provide them with better access to healthcare on the University's various campuses.



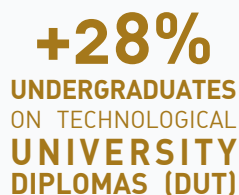
Lyon 1 University continued to play an active role in the dissemination of scientific, technical and industrial culture in 2019, carrying out a number of actions targeting an increasingly diverse public. In 2019, for example, the University organised the exhibition entitled "Women Scientists" on the occasion of International Women's Rights Day, as part of its mission to promote equality and diversity. The aim of the project was to promote careers in research for female high school and university students. At the Rockefeller University Health Library, the exhibition entitled "Robert Doisneau and Medicine", created in collaboration with Mrs Deroudille-Doisneau, explored the photographer's interest in health and the medical field.



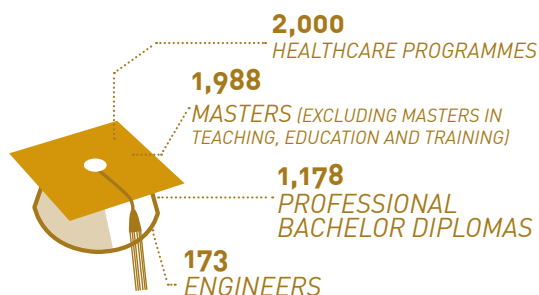
In terms of human resources, Claude Bernard Lyon 1 University continued to pursue its active recruitment policy via job creation and the recruitment of tenured staff. In 2019 it continued to focus its attention on quality of life at work and staff support. Completion of the "Quality of Life at Work" plan in 2019 resulted in the proposal of 60 concrete actions set out in the form of a charter.

# INITIAL EDUCATION

With over 47,500 students enrolled in 2019, Claude Bernard Lyon 1 University confirmed its long-standing national and international appeal. The 2019 academic year saw the opening of three new Professional Bachelor programmes, one Master programme and 13 University Diplomas in the fields of innovation, quality, diagnosis, care and rehabilitation. This ongoing expansion of the programmes offered at Lyon 1 University reflects a determination to offer students top-level training to prepare them for the professions of the future. 2019 was also marked the scaling up of measures to support students on their road to success, particularly at undergraduate level, with very promising results.

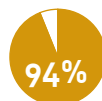


## NUMBER OF GRADUATES 2017-2018



## PROFESSIONAL INTEGRATION AT LYON 1

PROFESSIONAL BACHELOR  
DIPLOMAS



ENGINEERS



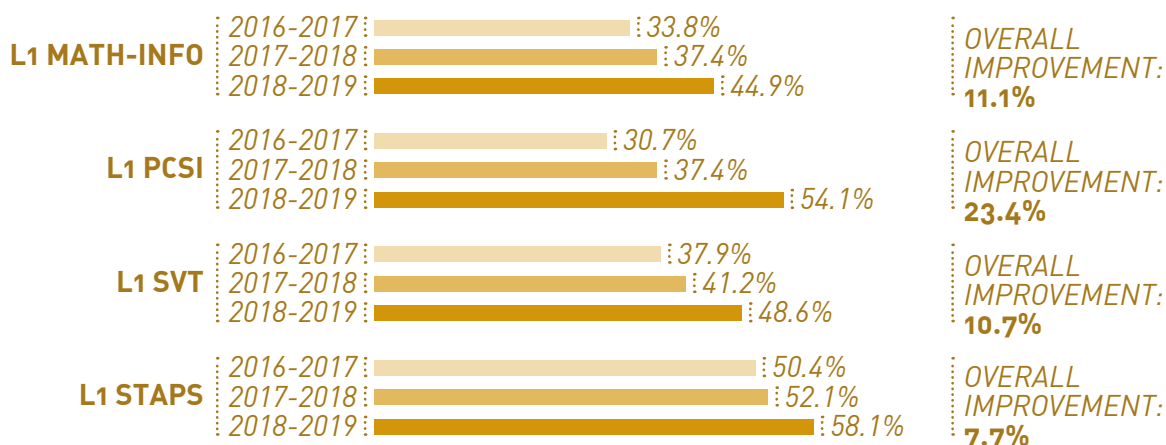
MASTER DIPLOMAS  
(EXCLUDING TEACHING,  
EDUCATION AND TRAINING  
CAREERS)



HEALTHCARE



## IMPACT OF ACTIONS IMPLEMENTED AT LYON 1 TO PROMOTE SUCCESS AMONG NEW FIRST-YEAR UNDERGRADUATES



## IN 2019

- ✚ In a national context of transformation of undergraduate degree programmes, 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 over a period of two to four years. In 2018, 171 students took advantage of this mechanism, rising to 324 in 2019. This option is offered to students on all four types of undergraduate degree programmes. The success of these programmes depends on a more progressive acquisition of knowledge and skills, personalised support and building students' confidence. After one year of implementation, the results are promising, both in terms of attendance and success rate, with up to 40% improvement among students who would previously have dropped out or failed.
- ✚ Lyon 1 continues to support student involvement, be it civic, artistic or sporting. 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 course with their other commitments. These actions were scaled up in 2019, with support of this kind provided for 101 student involvement plans, up 600% compared to 2018.
- ✚ 2019 saw the start of an assessment process of the programmes offered at Lyon 1 by the French Higher Education and Research Assessment Board (HCERES). This process, which involves all the teaching staff in all faculties and departments of Lyon 1 University, concerns all national qualifications awarded by the establishment. Seven programmes in the field of health will therefore be assessed, in addition to 13 undergraduate degrees, 43 professional bachelor degrees and 50 masters. The process will continue in 2020 with preparation of the University's future offer.
- ✚ Initial trials conducted as part of the "Cursus +" project were rolled out. The first part concerns the personalisation and modularisation of learning rhythms on undergraduate courses. The aim is to enable students to build their own programme corresponding to their personal career plans. The second part involves translating the offer of undergraduate degree programmes into skills sets. This ambitious project, conducted in conjunction with the Continuing Education and Alternating Work/Study Programme Department (FOCAL), will make it possible to clarify the University's offer, particularly for the socio-economic world, and develop the offer of continuing education. New trials are also set to take place, such as a double degree in Mathematics and Physics and a Polytech engineering school programme (PeiP) reserved for students with technology-based high school qualifications.
- ✚ In 2019, the University increased the resources allocated to training and teaching staff. Hence, €470k was dedicated to setting up new teaching platforms and the modernisation of existing platforms. The Objectives and Resources Contract for Degree Success, with annual funding of over €400k (+€100k compared to previous years), was implemented, with a marked impact on undergraduate degree success rates in 2019. This year again, Lyon 1 reaffirmed its unfailing support of Student Tutoring, with a budget of over €130k allocated to the recruitment of student tutors and the roll-out of new measures. 2019 also saw the implementation of over 42 innovative teaching projects in the Science, Technology and Health sectors.
- ✚ Lyon 1 University was highly active in the area of virtual reality, in particular by launching a plan to adapt and equip dedicated rooms on all its campuses. In 2019, the University inaugurated the first Virtual Lab adapted by the Innovation Design and Pedagogical Support Office (iCAP). In the autumn, the Virtual Lab, equipped with 10 dedicated workstations, was used by around 400 students for immersive practical sessions. The Virtual Reality project will continue with the roll-out of more rooms, the development of virtual reality teaching resources, the implementation of a set of courses based on these new practical learning tools and the assessment of the project.

## FOR 2020

2020 will see a number of changes. Lyon 1 University is committed to implementing the reform of health studies which will, in particular, lead to the disappearance of the First Year Foundation Course in Health Studies (PACES) and more channels for accessing health studies. This important reform constitutes a major challenge, involving all teaching staff and departments in the Science and

Health sectors, with the goal of offering new courses for the 2020-2021 academic year. 2020 will also be marked by the preparation of the University's future offer of programmes, which will be rolled out for the 2022-2023 academic year, and by continued implementation of the policy to support students on the road to success.


Graduation ceremony for physics and chemistry students (November 2019).  
© Eric Le Roux / Lyon 1 University Communication Department



# CONTINUING EDUCATION

Almost a year after the entry into effect of many of the measures included in the reform of apprenticeship brought about by the “Professional Future” Act, Lyon 1 University has managed to adapt to the new context, demonstrating the quality of its courses and positioning its offer in an increasingly competitive market. In a world subject to major transformations, the priorities for Lyon 1 University for the years for come consist in supporting companies in their recruitment plans, enabling employees to upgrade their skills and providing training to secure people in their careers or help them find work again, by offering new and relevant continuing education.

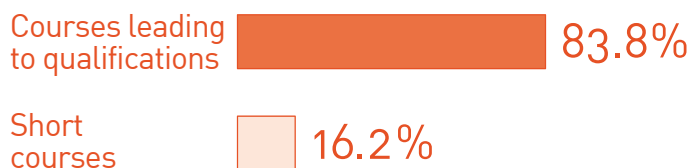
  
**€17.5M**  
TURNOVER  
IN 2019

  
**FRENCH  
UNIVERSITY**  
WITH 20% OF THE  
NATIONAL  
CONTINUING  
PROFESSIONAL  
DEVELOPMENT  
OFFER PUBLISHED BY  
UNIVERSITIES

 **88**  
**JURIES**  
FOR THE VALIDATION  
OF **WORK**  
EXPERIENCE

## CONTINUING EDUCATION ACTIVITY

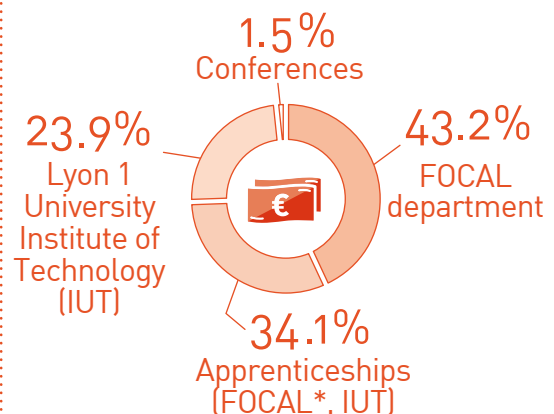
### Breakdown of students per type of course



### Work-study programmes at Lyon 1



### Breakdown of turnover from continuing education



\* Continuing Education and Work-Study Programmes

## IN 2019

- ✚ Since early November 2019, Lyon 1 University has been promoting its full “life-long learning” offer (FTLV), comprising 649 short courses and courses leading to qualifications, via the University of Lyon FTLV portal.
- ✚ Since 21 November 2019, the “My Training Account” platform has been set up by the Caisse des Dépôts et Consignation to enable anyone to view, select and purchase training fundable through their Personal Training Account (CPF). Lyon 1 University is preparing and organising its presence on the platform, which will initially consist in offering support for VAE (validation of work experience) and the DAEU (university access diploma). The longer courses need to be reformulated and separated into skills sets before being published on the new market opened up by the application, in order to correspond to users’ requirements.
- ✚ Since January 2019, a virtual assistant named Chabot has been set up on the website of the Continuing Education and Alternating Work/Study Programme Department (FOCAL). This assistant can answer frequent questions automatically and autonomously, while forwarding more specific questions to a manager for provision of a suitable tailored response. This new tool forms part of FOCAL’s commitment since 2013 to improve its quality of service. It corresponds, in particular, to the commitment under the FCU certification (University-based Continuing Education) to “inform, welcome, guide and support candidates”.
- ✚ In 2019, Lyon 1 University renewed its commitment to meeting the needs of the job market and of the various socio-professional sectors, by offering new courses. The Health section proposed 15 new short courses (eight of which are eligible for Continuing Professional Development) and 12 new university diplomas (nine in medicine, two in dentistry and one in rehabilitation). The Sciences section also extended its offer by proposing a new master programme and a professional bachelor programme available in work/study format and, for the IUT (University Institute of Technology), a new professional degree programme.
- ✚ On 30 April 2019 the Board of Directors decided to make Lyon 1 University an Apprenticeship Training Centre (CFA). The aim of this decision was to enable Lyon 1 University to manage the new 2019-2020 apprenticeship contracts directly, apart from courses approved with the Region. 338 apprenticeship contracts were signed for this first year as a CFA.
- ✚ As part of the roll-out of the skill-based approach, FOCAL ran several training days to support educational managers in training their teams. 58 projects to translate courses into skills sets have been identified to date. A collaborative space and timetable to accompany the approach have been set up for teaching staff.

## FOR 2020

2020 will see the scaling up of the new ecosystem brought about by the reform of professional training and apprenticeships. Lyon 1 will have to adapt its offer, rethink its working methods and strengthen its communications in order to compete on the new markets.

We have the necessary experience and strengths to meet the challenges facing us, with our culture of student guidance and support and our experience of working with assets and with business.

*Management course, organised in March 2019 on the LyonTech – la Doua campus, in the context of Continuing Education  
© Eric Le Roux / Lyon 1 University Communication Department*

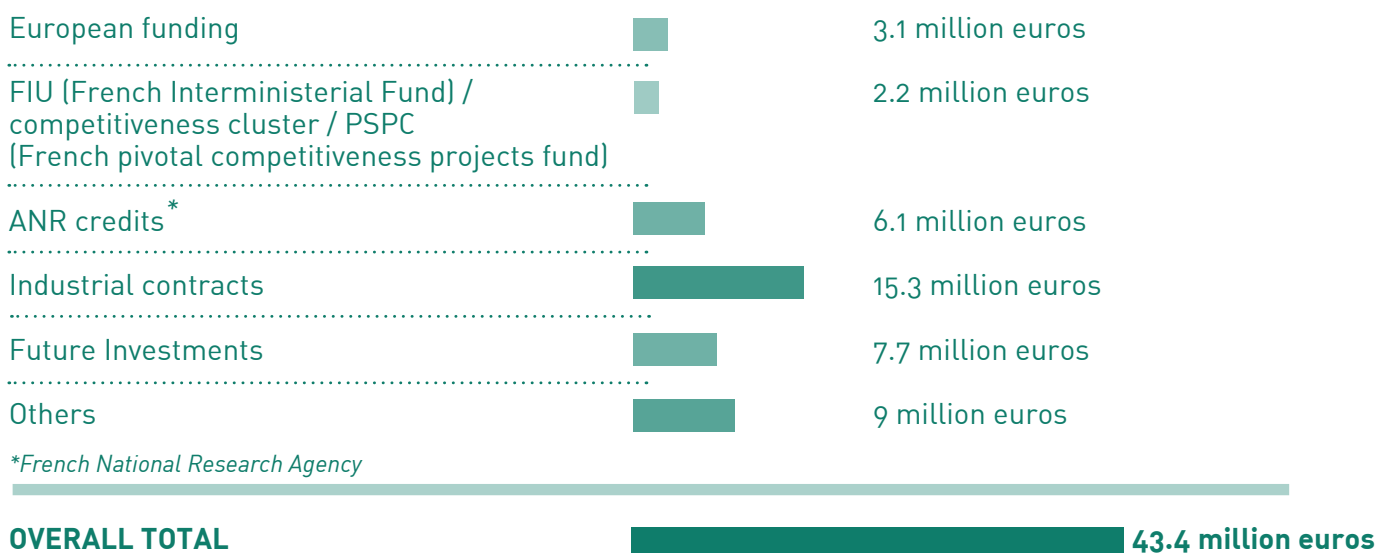


# RESEARCH

*Claude Bernard Lyon 1 continues to position itself as a major research establishment, both at national and international level. This strong profile is supported by publications in prestigious journals, the creation of joint laboratories with other countries and international distinctions. The University is also consolidating its presence in the Lyon area by initiating innovative projects in partnership with industrial partners and with Hospices Civils de Lyon. A position also reflected in the University's drive to improve conditions for research within the institution, as illustrated by the launch of ambitious real estate projects such as Neurocampus.*



## 2019 FUNDING



## IN 2019

- ✚ The REHABS International Research Laboratory gives concrete form to the work carried out since 2015 between France and South Africa. This laboratory was created by Claude Bernard Lyon 1 University, the CNRS (French national research agency) and Nelson Mandela University, and is positioned as an innovative centre of research into ecology and the environment.
- ✚ An article published in *Nature Communications* presented a new process for directing CRISPR/CAS9 molecular scissors to the target DNA of certain cells. These “nanoblades” were developed by the International Center for Infectiology Research (CIRI).
- ✚ Scientists from Claude Bernard Lyon 1 University took part in an international team to produce the largest ever map of the universe. The results were published in the *Monthly Notices of the Royal Astronomical Society*.
- ✚ Initiated and headed up by Claude Bernard Lyon 1 University, the “Lyon Neurocampus” real estate project, inaugurated on 14 November 2019, groups together on a single site all the Lyon Neuroscience Research Centre teams. This campus reinforces the international profile of Lyon as a centre of excellence for neuroscience.
- ✚ Professor Pierre Miossec of Claude Bernard Lyon 1 University had the honour of being elected a member of the Association of American Physicians. He is recognised in particular for his research into the role of cytokines, one of the four main bases found in DNA, in inflammatory diseases.
- ✚ Claude Bernard Lyon 1 University, in partnership with Hospices Civils de Lyon and the Centre Léon Bérard, is involved in four of the 15 projects selected at national level as part of the “University Hospital Research into Health” phase (RHU4) of the French future investment programme. Lyon 1 University is coordinator of the BETPSY project and a partner in the IdBIORIV, DEPGYN and BOOSTER projects, for total funding of €6 million.
- ✚ In the framework of IDEXLYON, of which Claude Bernard Lyon 1 University is a member, five projects were selected following the Scientific Breakthrough Program call for projects, for amounts of up to €1.2 million per project.
- ✚ The Institute of Physics of the 2 Infinities (IP2I) was inaugurated in October 2019. Combining the expertise of the Lyon Nuclear Physics Institute (IPNL) and of the Laboratory of Advanced Materials (LMA), this new institute is set to become a pioneering scientific cluster for the next major areas of exploration into the sciences of the universe.

## FOR 2020

In 2020, Claude Bernard Lyon 1 University plans to pursue its policy of obtaining international recognition for the excellence of its research. This ambition is reflected, in particular, in the University's drive to improve conditions for research within the institution.

Hence, for 2020, Lyon 1 University has sought to obtain the HR Excellence in Research label, which recognises establishments committed to an ongoing improvement plan regarding how they recruit and manage research staff.


*Institute of Physics of the 2 Infinities (IP2I), inaugurated in October 2019.  
© Eric Le Roux / Lyon 1 University Communication Department*



# INNOVATION

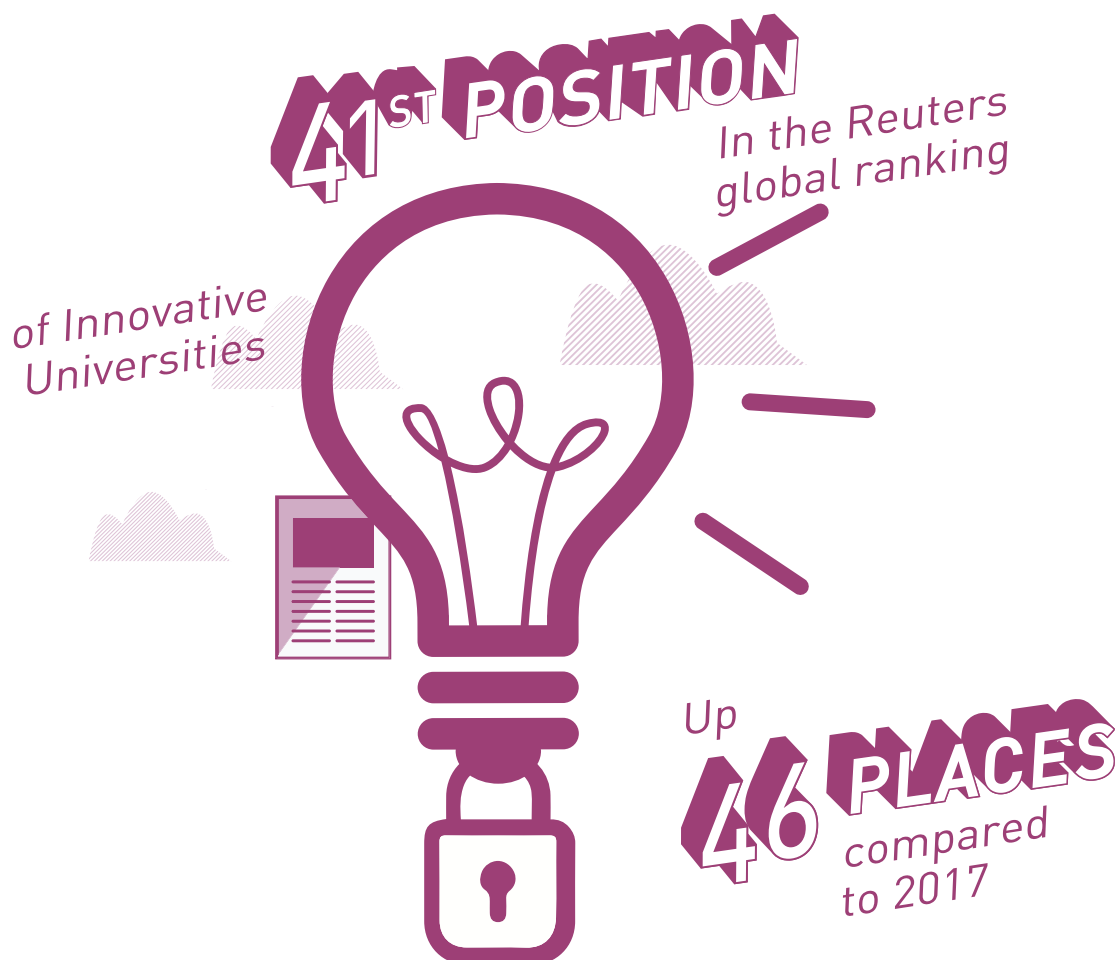
With 66 laboratories and over 5,000 researchers, Claude Bernard Lyon 1 University has a high level of potential for scientific innovation. Thanks to its close relationship with local bodies such as Pulsalys (a SATT - public-private enterprise for the accelerated transfer of technology) and Beelys (a PEPITE - student innovation, transfer and entrepreneurship service) the University is positioned as a key player in the promotion of research at national and international level. This ambition was confirmed in 2019 by a high number of patent submissions and business creations. The University also demonstrated its desire to pursue a research policy based on partnerships within the Lyon area by taking part in events dedicated to innovation, such as the In-Situ innovation week.

**inpi**  
**34**  
**PATENTS**  
**SUBMITTED**  
**IN 2019**  
(INCLUDING 9 FROM  
INVESTMENT  
BY THE SATT)

  
**7**  
**START-UPS**  
**CREATED**

**73**  
**ASSETS**  
(PATENTS, SOFTWARE,  
KNOW-HOW)  
TRANSFERRED  
TO INDUSTRY

  
**39**  
**PROJECTS**  
**UNDER WAY**  
+11 COMPARED  
TO 2018



## IN 2019

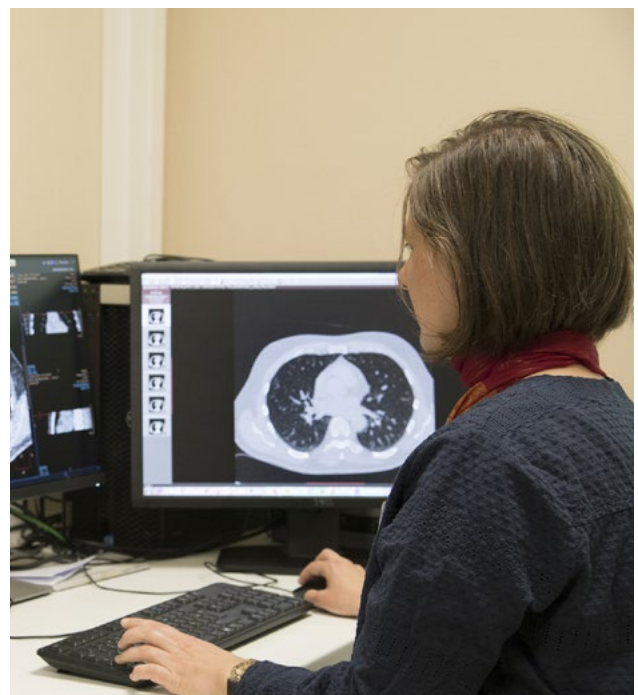
- ◆ The Behaviors.ai project was inaugurated in April 2019 as a result of work carried out between the company Hoomano and LIRIS (Information Technology Laboratory for Images and Information Systems). Its aim is to develop robots capable of better interacting with humans by learning from past experience.
- ◆ Claude Bernard Lyon 1 University is coordinating the ITN VITRIMAT project, selected following the Marie-Sklodowska Curie call for projects as part of the H2020 programme. Involving eight partners and with funding of €2.8 million, the aim of ITN VITRIMAT is to develop vitrimers, sustainable alternatives to plastic materials used in industrial applications.
- ◆ The new start up Vaxxel created by the International Center for Infectiology Research (ICIRI) won a prestigious Deep Tech i-Lab 2019 award for innovation. This prize highlights the promising work carried out by this young enterprise in the fight against pneumovirus respiratory diseases.
- ◆ Created last August, the start-up SIBIUS offers an e-health application based on artificial intelligence. Based on cutting-edge technology developed since 2015 by Pulsalys and researchers at the Marc Jeannerod Institute of Cognitive Science, SIBIUS seeks to improve care for neurocognitive disorders such as autism and dys disorders.
- ◆ This year Polytech Lyon students at Claude Bernard Lyon 1 University won the regional "Campus Creation" prize for innovation. Organised by the regional PEPITE Beelys, the aim of this competition is to introduce students to entrepreneurship. The chosen project offered companies a way of making their e-consumption more eco-responsible.
- ◆ The first edition of the In-Situ Innovation Week was held this year at the University of Lyon. Generating dozens of events on campus, the aim of this event was to rally higher education behind innovative projects in the Lyon area.
- ◆ As part of the European H2020 project for research and innovation, with funding of €6.4 million, in April 2019 Claude Bernard Lyon 1 University inaugurated the prototype for a new type of clinical scanner unique in the world: the SPCCT. Developed in partnership with the firm Philips and installed at CERMEP, this scanner makes it possible to obtain hitherto unseen in vivo images of the entire human body.

## FOR 2020

Claude Bernard Lyon 1 University plans to pursue in 2020 its important work to promote the research carried out by its various teams, through the submission of patents and the transfer of assets to industry. Several start-ups are set to be created in 2020, particularly in

collaboration with the SATT Pulsalys. The University will thus continue to pursue its aim of positioning itself as a global leader in the transfer of technology and innovation.

*The first spectral photon counting CT (SPCCT) for human exploration was inaugurated on 29 April 2019.  
© Eric Le Roux / Lyon 1 University Communication Department*



# PARTNERSHIPS

*Claude Bernard Lyon 1 continues to consolidate its actions with the world of industry to promote 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 leverages the expertise of its 66 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.*

**€36.9M**  
IN PARTNERSHIP  
RESEARCH



**€15.3M**  
IN CONTRACTUAL  
RESEARCH

**256**  
COLLABORATIVE  
PROJECTS  
FINANCED  
IN 2019

56 START-UPS CREATED  
SINCE 2011



## IN 2019

- On 20 December 2019, documents were signed officially giving Hospices Civils de Lyon (HCL) a stake in the capital of Lyon Ingénierie Projets (LIP), a subsidiary of Lyon 1 University. This move is another illustration of the close relationship between HCL and Lyon 1, and will enable the LIP teams to help strengthen the positioning and profile of HCL in the Lyon life sciences ecosystem by facilitating the development of public-private partnerships between HCL departments and the socio-economic world, as they have been doing up until now for the laboratories of Lyon 1.
- In 2019, two technological platforms headed up by Lyon 1 were funded as part of the IRICE scheme for research and innovation facilities for businesses, managed by the Auvergne-Rhône-Alpes Region. The Lyon Biopole-labelled INNOvation BIOproduction VIRus (InnoBioVir) platform aims to provide a comprehensive and structured offer of technological research, initial and continuing education and services in the field of bioproduction and the pharmaceutical application of vaccine antigens for the health industry (€1.5 million). The Axelera-labelled Lyon Multiscale Imaging Center (LyMIC) platform aims to meet the microscope needs of regional academic and industrial researchers on a national and international scale (€1.3 million).
- As part of the RDI Booster call for projects, six projects involving Lyon 1 University were chosen out of the 21 projects selected in the Auvergne-Rhône-Alpes Region. Launched by the Region, RDI Booster aims to encourage research and development efforts by companies, by supporting tools which, thanks to collaboration with research institutions and the dissemination of knowledge, help accelerate the development of innovative products and services, or better anticipate production and roll-out phases thanks to experimentation with new technologies.
- Selected as part of the RDI Booster call for projects, the Medforce project relies on a dynamic network of start-ups and SMEs in the region and the companies Glincs, NH TherAguix, Nano-H and Mexbrain, in direct contact with two globally renowned university laboratories: the Institute of Light and Matter and the Polymer Materials Engineering Laboratory. Headed up by Glincs, the project aims to develop cutting-edge analytical tools and methods dedicated to marketing innovative hybrid materials for medical purposes, as well as the development of three clinical products. It is heavily based on the use of tools present in the Axel One Campus innovation department and represents funding for the establishment of €476,000.
- By the end of 2019, after eight years in existence, the AXEL'ONE collaborative innovation platform had successfully taken off and brought its three sites up to cruising speed with: 9,000 m<sup>2</sup> of dedicated premises and €30 million in pooled tools; over 200 researchers, 17 SMEs and 40 collaborative projects hosted; an occupancy rate of 85% for AXEL'ONE CAMPUS, 90% for AXEL'ONE PMI and 95% for AXEL'ONE PPI.

## FOR 2020

In terms of socio-economic partnerships, 2020 will be marked by the participation of the company ACOEM in the Intelligence of Urban Worlds Labex (IMU), the creation of a "Data & Services for a Sustainable City" chair, the implementation of a partnership between AXA and Lyon 1 to provide scientific training for the group at national level and the setting up of a training plan (engineers and technical staff) for the NGEN group as

part of a partnership with the CPME (confederation of small and medium-sized enterprises). In 2020, Lyon 1 University will also organise the second edition of COSMET in Lyon: a meeting between academic and industrial researchers in the field of dermocosmetology, with the participation of the competitive clusters and the Chamber of Commerce and Industry.

AXEL'ONE collaborative innovation platform.  
© Eric Le Roux / Lyon 1 University Communication Department



# INTERNATIONAL RELATIONS

*Claude Bernard Lyon 1 University is continuing to strengthen its links with its foreign partners. The University has a very active international policy, confirming its excellence and appeal, both in terms of research and educational programmes. In June 2019, Lyon 1 University was selected following the “European Universities” call for proposals and has since been participating in a European initiative extending to 2025 and 2030 through the ARQUS project.*



**ERASMUS+**  
**13** PROJECTS  
UNDER WAY AND  
**407** AGREEMENTS



**1,166**  
OUTGOING  
MOBILITY  
STUDENTS

**142**  
COOPERATION  
AGREEMENTS



**1,050** MOBILITY  
**G R A N T S**  
ALLOCATED PER YEAR

## LYON 1 INTERNATIONAL EXCHANGES

### 40 DEGREES AS PART OF INTERNATIONAL PARTNERSHIPS:



# IN 2019

- ✚ In 2019, Claude Bernard Lyon 1 University applied to obtain the “Bienvenue en France” label. This label, valid for four years, singles out establishments committed to a process of improving and promoting their provisions for hosting international students.
- ✚ The ARQUS European University Alliance project was selected on 26 June 2019 for European funding of €5 million. ARQUS includes nine universities with strong regional ties in medium-sized cities: Grenada (project coordinator), Bergen, Graz, Leipzig, Lyon 1, Lyon 3 and Jean Monnet University, Padua and Vilnius. This project is based on three pillars: inclusion, excellence and transdisciplinarity in universities. The ultimate aim is to create a network of European universities sufficiently powerful and integrated to offer students a European qualification.
- ✚ The University, represented by its International Relations Department, took part in the NAFSA conference in Washington and in the EAIE conference in Helsinki.
- ✚ Lyon 1 confirmed its policy to develop partnerships in the English-speaking world with new agreements signed in Canada (Ottawa and Manitoba) and in the United States (Pennsylvania) as well as further agreements under discussion in Malaysia and Australia.
- ✚ The University maintains major partnerships in Asia, particularly in China with the Jiao Tong University and through new agreements in 2019 with the Shanghai University of Traditional Medicine (SHUTCM). In Japan, the University has established new forms of cooperation through participation by students in the organisation of the rugby world cup. Finally, the University has a significant presence in Vietnam through its double degree programmes and its renewed participation with the National University of Science and Technology of Hanoi (USTH), as well as in Cambodia through medical cooperation with the University of Health Sciences (UHS).
- ✚ Lyon 1 hosted a number of foreign delegations in 2019, in particular in the context of health-related cooperation actions in connection with the French Embassy: an Afghan delegation was hosted in October for the renewal of the cooperation agreement and health application agreement between Kabul University (UK), Kabul Medical Sciences University (USMK), Lyon 1 University and Hospices Civils de Lyon (HCL), in the presence of the presidents of the various establishments and representatives from HCL.

## FOR 2020

In 2020, Claude Bernard Lyon 1 University will continue its incentive policy to promote the outgoing mobility of its students and its administrative and teaching teams. 2020 will also see the launches of the call for candidates for teaching and administrative staff mobility in the framework of Erasmus+ and the call for candidates for the new Erasmus+ charter (2021-2027) in February 2020. The first European University – ARQUS annual

conference will take place from 16 to 18 March 2020 in Lyon. The University will also continue to develop agreements in English-speaking areas, particular through links with Malaysia and Australia, and consolidate and strengthen cooperation with target zones in Canada, China, Japan and Vietnam. Lastly, Lyon 1 plans to support the roll-out and development in 2020 of new double degree courses in science and health.

*Hosting of an Afghan delegation in October 2019. From left to right: Mr Deniel (HCL), Prof. Fleury (Lyon 1) and Prof. Farooqi (UK).  
© Eric Le Roux / Lyon 1 University Communication Department*



# LIBRARY RESOURCES

The primary aims of the Claude Bernard Lyon 1 university libraries are to offer students accessible, welcoming spaces for living, working and studying, provide researchers with the journals and articles they need for their work and provide suitable services and high-quality cultural events for the entire university community. Lyon 1 has the only ISO 9001-2015 certified university libraries in France, offering around 2,700 seats in a variety of spaces adapted to students' needs (reading rooms, group work rooms, individual spaces, IT spaces, etc.). Awarded the NoctamBU+ label, they are accessible to students 7 days a week at three different sites (LyonTech - La Doua, Rockefeller and Lyon Sud), for up to 14 hours a day.



**2,289,380**  
ENTRIES  
TO OUR LIBRARIES



**€3.8M**  
IN SPENDING ON  
DOCUMENTARY  
RESOURCES



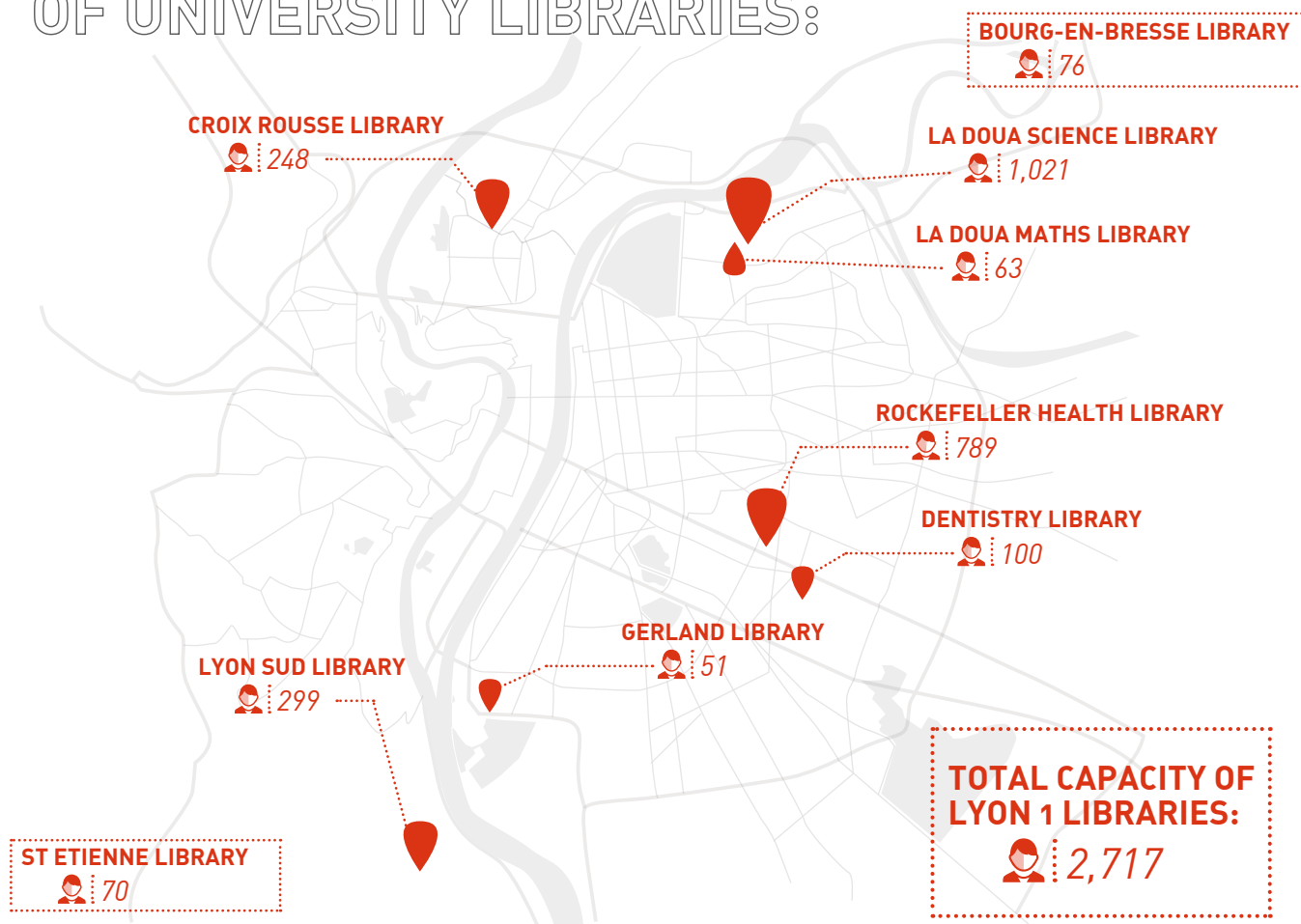
**6,830**  
STUDENTS  
TRAINED  
IN LIBRARY RESOURCES

**97,675**  
SUBMISSIONS  
TO THE  
HAL LYON 1  
OPEN ARCHIVE



**100**  
CULTURAL  
EVENTS  
AND EVENTS  
TO PROMOTE  
THE DISSEMINATION  
OF SCIENTIFIC CULTURE

## MAXIMUM CAPACITY OF UNIVERSITY LIBRARIES:



## IN 2019

- + On 1 March 2019, the Lyon Sud Health Library doubled its surface area, with 180 additional places of various kinds available to students including individual booths, collaborative work rooms and a learning lab. The library is very popular among users and has seen a sharp increase in the number of visits. New services have also been set up, including the provision of anatomical models and the loan of small items of equipment (headsets, fans, etc.).
- + The EDUDOC self-training tutorial on documentary research in Education, designed in partnership with teaching staff at INSPE, was launched online at the start of 2019, where it now sits alongside the science and health tutorials.
- + As part of its strategy to support open science, various initiatives were set up throughout the year including assistance in submitting files to the HAL open-access archive (appointments in laboratories, organisation of a HALathon, workshops, etc.), awareness-raising among doctoral students in the context of their studies, the continued implementation of a documentary policy prioritising publishers committed to the transition to Open Access, continued funding for innovative publishing models, etc.
- + A partnership was set up with the National Information Technology Centre for Higher Education (CINES) for the electronic archiving of the University's medical theses (*thèses d'exercice*), in order to ensure their conservation.
- + As part of the DATAACC project, supported by the CollEx-Persée scheme, the Joint Library Resources Department launched a dialogue with researchers on the question of research data in Chemistry and organised a *Data Lunch* at the end of the year to discuss electronic laboratory notebooks.
- + In terms of the cultural programme, the Science Library hosted a zen garden and organised a tea ceremony for the 2019 Science and Manga festival. Various well-being events enabled students to benefit from massages and meditation sessions and to discover shiatsu. In the Rockefeller Health Library, an exhibition of original photographs by Robert Doisneau on the theme of medicine in the 1950s was organised in partnership with the Lyon-Est Faculty of Medicine.
- + Library staff were particularly active on all campuses in welcoming new students as part of the Lyon 1 University 2019 Integration Week.

## FOR 2020

The Rockefeller Health Library will be further extended with the opening of a new wing offering 150 additional seats in autumn 2020. Electronic payment will be rolled out in 2020 in all the libraries for membership subscriptions by external readers, reimbursements

for lost works and payments for the provision of documents outside Lyon 1. Lastly, the development of services for researchers will continue in 2020 as part of the new CollEx-Persée call for projects.

*Tea ceremony as part of the 2019 Science and Manga Festival  
© Lyon 1 University Library*



# BUILDINGS AND FACILITIES

*The University's real estate projects continue to progress and improve conditions for teaching and research, while optimising and renovating buildings and facilities. As regards the major projects, the LyonTech - La Doua Campus plan is in full swing, as is phase 2 of the requalification of the Rockefeller building. Significant works have been carried out at the Lyon Sud site with the opening of the building that is home to the European Centre for Nutrition and Health and the European Lymphoma Institute (CENS-ELI) and the extension of the university library.*



**€20M**  
OF INVESTMENT  
IN LYON 1  
CONTRACTING



**8,000**  
MAINTENANCE  
OPERATIONS

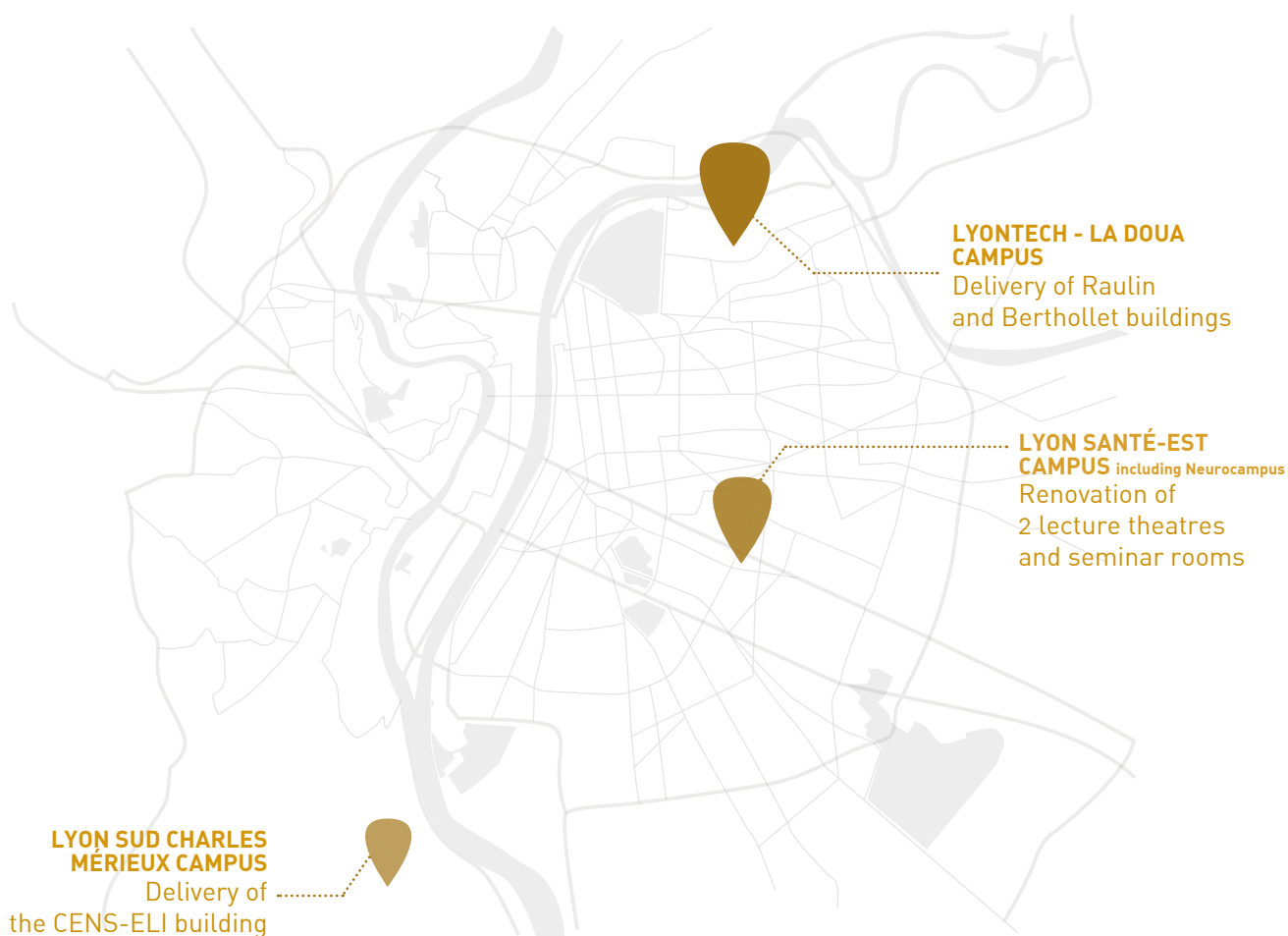
**40**

LONG-TERM  
INVESTMENT  
PROGRAMME  
OPERATIONS



**17,900 m<sup>2</sup>**  
RENOVATED IN  
2 0 1 9

## REAL ESTATE OPERATION: MAJOR DELIVERIES



# IN 2019

- LyonTech - La Doua Campus Plan:** of the seven buildings still to be renovated, two were delivered in 2019 (Raulin and Berthollet). Work on the Raulin building was accompanied by the construction of a building for managing and storing chemical products for the entire Chemistry Quarter.
- Rockefeller site:** lecture theatres 3 and 3 bis were delivered, as well as seminar rooms and practical work and simulation platforms.
- La Buire site:** architectural and technical studies were launched in 2019 for the renovation of the facades of the Dentistry building and paramedical centre project.
- Renovation of large lecture theatres:** the final lecture theatre in the Darwin building was delivered and contractors were appointed for the renovation of the Déambulateur and Marie Curie undergraduate lecture theatres on the LyonTech - La Doua campus.
- CENS ELI:** the CENS-ELI building (European Centre for Nutrition and Health and the European Lymphoma Institute: €15.85m) was delivered in March 2019 and the teams were able to move in in May 2019.
- Axe Vert (Green Way):** work on Square Evariste Galois was completed in the spring. Work to restructure the roads on the LyonTech - La Doua site commenced in September 2019.

## FOR 2020

Real estate operations will continue at Claude Bernard Lyon 1 University in 2020 with the renovation of undergraduate lecture theatres on the LyonTech - La Doua campus and four lecture theatres at the Rockefeller site, as well as the restructuring of the premises of the former Rockefeller Medical and Legal Institute. Work will also commence in 2020 on the International Center for Infectiology Research

(CIRI), the building of the Lyon Institute of Nanotechnology (INL) the Chemistry, Physics and Electronics Graduate School (CPE) and the IUT Student Union. Phase 2 of the requalification of the Rockefeller building will be completed in 2020. 2020 will also see the opening of Quai 43 to students and renovation of the swimming pool.

*The CENS-ELI building  
© Eric Le Roux / Lyon 1 University Communication Department*



# CAMPUS LIFE

Lyon 1 University implements an active social action, sports 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. A rich and diverse range of cultural and artistic activities are proposed, managed by the Culture Mission in conjunction with the CLASUP. Quality of life on campus is also guaranteed at Lyon 1 by the vibrancy of its 93 student associations and student involvement, actively supported by the university.



**€1,200,000**  
2019 LYON 1  
SOCIAL POLICY  
BUDGET

**839**

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



**€106,000**  
ALLOCATED TO  
STUDENT  
SOCIAL SUPPORT



**1,500**  
PEOPLE AT  
THE CHRISTMAS PARTY



**€121,000**  
BUDGET  
FOR CHILDREN

LYON 1 2019 INTEGRATION WEEK:  
A WEEK OF EVENTS INCLUDING:



# IN 2019

- +

Social

For the 2018/2019 academic year, more than 500 people signed up to sports activities offered to Lyon 1 staff (over 35 hours per week of sport).
- +

Social

For the first time, Claude Bernard Lyon 1 University organised a "Fitness Night" on 13 December 2019 for staff and students.
- +

Social

A budget of €43k was allocated towards financial assistance and support for staff. This included emergency financial assistance in the event of an accident in the normal course of everyday life, appointments with a socio-economic and family advisor and access to legal advice.
- +

Student life

The second edition of the Lyon 1 Integration Week took place in 2019 entirely dedicated to welcoming new students to the University. This year, the event was rolled out on the three Lyon 1 campuses. New arrivals were able to discover their university through various activities (information sessions, meetings with teaching staff and university services, etc.) and fun social events: Garden party and Olympiades, music concert at the Transbordeur and a giant escape game on the theme "Game of Crowned".
- +

Student life

On 26 September 2019, Lyon 1 inaugurated its Health Centre. Open since April 2018, this centre is available to students on the three campuses, LyonTech - La Doua, Lyon Est and Lyon Sud, within the University Health Service, with the aim of reducing students' failure to seek healthcare due to lack of time and money. The Health Centre offers students consultations with general practitioners, a psychiatrist and a gynaecologist, third-party payment of medical costs, nursing care and blood tests and psychology consultations.
- +

Student life

The common aim of initiatives funded by the Student Life and Campus Contribution (CVEC) at Lyon 1 in 2019 was to offer students new services and support student projects and initiatives on all sites. This contribution made it possible, in particular, to make all sports and physical activities free for all students. Measures were funded to reinforce the Health Centre's services and staff and set up the student health relay system to encourage peer prevention. The CVEC also supported projects concerned with major societal issues such as sustainable development, and extended eligibility for funding to students from the nursing schools (IFSI) and preparatory classes (CPGE) affiliated to the University.
- +

Student life

Lyon 1 decided to invest in the redesign of informal spaces (corridor, hall, etc.) in order to make them more welcoming, connected and comfortable. They will be able to be used for relaxation, work and even catering purposes, both for students and staff of Lyon 1 University.
- +

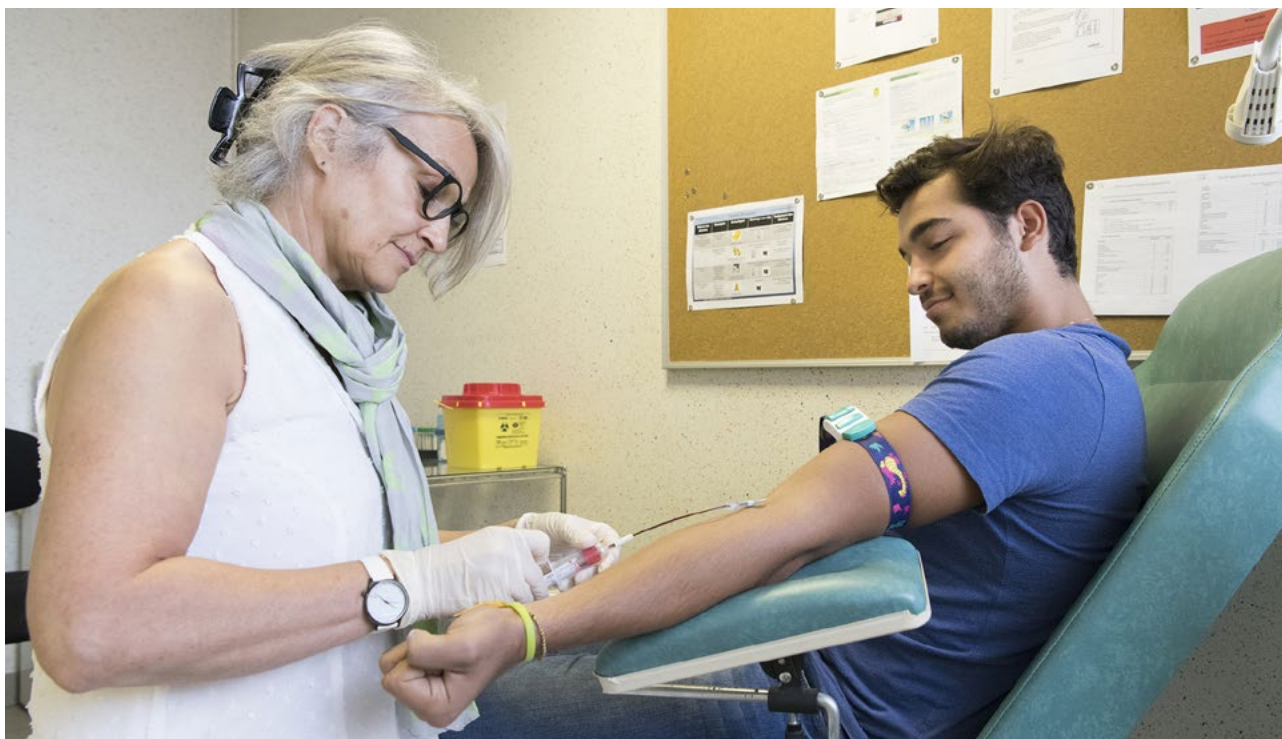
Student life

In 2019, Lyon 1 University had 93 student associations. As always, the University supported student involvement, funding 153 student and associative initiatives through the Student Initiative Solidarity and Development Fund (FSDIE), compared to 128 in 2018.
- +

Safety on campus

Day to day, the University does everything in its power to limit risks and ensure the safety and protection of its users. The University has also set up a crisis unit and warning system in the event of a major incident.

Lyon 1 Health Centre  
© Eric Le Roux / Lyon 1 University Communication Department



# CAMPUS LIFE

The aim of the ambitious policy pursued by Claude Bernard Lyon 1 University for life on campus is to ensure its cultural and sports activities are accessible to all. Its cultural policy is based on practical artistic workshops accessible to both students and staff, its theatre and resident theatre company, its photography gallery and its student festival, Les Arthémiades. A vibrant and coherent scene, managed by the Culture Mission, which enables the University community to open itself up to the surrounding area and address the wider public. In terms of sport, the University contributes to students' success through the University Office of Physical Fitness and Sports (SUAPS) and the Sports Association (AS), by allowing each individual to enjoy the broadest possible experience of sport and get into the habit of taking physical exercise, and by encouraging their involvement in various projects.



**18,000**  
STUDENTS  
TAKE PART IN A  
SPORT

**+30%  
WOMEN**



**2,421**  
MEMBERS OF THE  
LYON 1  
SPORTS  
ASSOCIATION



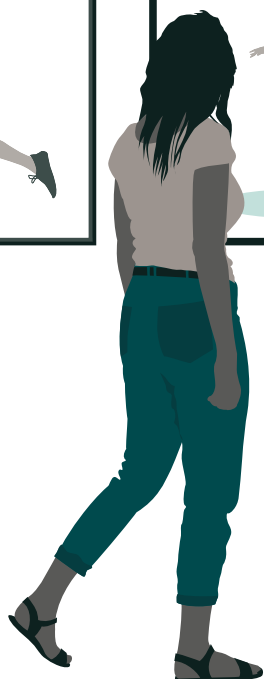
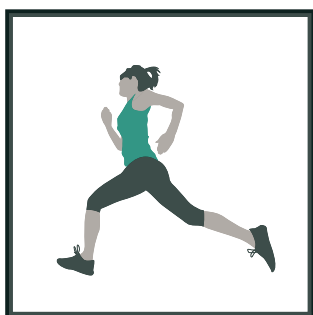
**4,500**  
VISITORS  
TO THE DOMUS  
GALLERY  
5 EXHIBITIONS IN 2019



**90**  
SHOWS  
WITH 10,000  
SPECTATORS  
AT THE THÉÂTRE ASTRÉE



**245**  
TOP-LEVEL  
SPORTS  
MEN AND  
WOMEN  
INCLUDING 71 ON  
MINISTERIAL LISTS



# IN 2019

- +

Sport
In the 2018/2019 academic year, AS Lyon 1 was ranked 2<sup>nd</sup> sports association in France, via the University of Lyon sports association (AS UdL), and top sports association in the Auvergne-Rhône-Alpes challenge.
- +

Sport
Several sporting events took place in 2019 at international level: participation by the Health Centre men's football team in an international tournament in Beijing, organisation of the Ovaleonne women's rugby tournament, participation by a team of more than 40 students and staff in the Madrid Marathon, medals and participation in the EUSA Games and the 2019 Universiades.
- +

Sport
In 2019, around 10,000 students were awarded a sports score as part of their course.
- +

Sport
In the 2018/2019 academic year, 227 students at Lyon 1 University benefited from special arrangements for sports. Among them, 65 students benefited from the Mission Handicap / SUAPS scheme with STAPS APAS student interns in nine disciplines.
- +

Sport
Two inclusive sporting events were organised in 2019 attracting 138 participants: a wheelchair basketball tournament and an Inclusive Footmix tournament.
- +

Sport
Around 30 events are organised each year by students of the Lyon 1 Sports Association: sports nights, tournaments and training courses for involvement in associations, etc., which play an integral role in students' development towards working life thanks to the team work and project management aspects involved. Certain "AS Solidaire" labelled events are held in support of partner associations, such as Handicap Évasion.
- +

Culture
The "Les Arthémiades" student festival was held from 2 to 29 May 2019, with the participation of 400 artists, both amateur (students and staff) and professional.
- +

Culture
Thanks to the Student Life and Campus Contribution (CVEC), eight new practical artistic and cultural workshops for students and staff were created in autumn 2019, bringing their total number to 24. A student theatre company was created and two free- access pianos were installed at the LyonTech - La Doua and Rockefeller sites for individuals wishing to practice.
- +

Culture
As part of the 2019 edition of the "Music and Flavours of the World" programme, the Théâtre Astrée vibrated to the sound of the kora of Ibrahima Cissokho & le Mandingue Foly. The charismatic singer and musician transported the appreciative audience. Staff were able to attend the evening for free.
- +

Culture
The Arts/Science production by the Nième company (in residence at Lyon 1 University) was performed from 7 to 11 October 2019 at the Théâtre Astrée. The show was entitled "Un.e chacal.e des chamots 2.0" and retraced the history of the French language from its birth to the present day. Three themed programmes were also proposed with 20 events combining shows, encounters and film projections: "Notre (folle) histoire" (Our (Crazy) History), "Un homme son monde" (One Man His World) and "Cet Autre si loin si proche" (This Other So Far So Close).
- +

Culture
In March-April 2019, the Domus Gallery hosted the photographer Claudine Doury (2017 Académie des Beaux-Arts award) and her exhibition entitled "L'homme nouveau" (New Man), exploring the masculine identity of young Russian men at the end of adolescence, raising questions of gender and otherness at the beginning of the 21st century. A fascinated public had the opportunity to meet the artists during the 2019 Higher Education Art and Culture Days (JACES).

## FOR 2020

In 2020, 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 create a new University Social Action Initiative (ASIU) and broaden the ASIU to support physical activity for people suffering from long-term illnesses (ALD) to people with disabled worker status (RQTH). Another clear aim in 2020 is to pursue a dynamic sports policy, guaranteeing a wide range of high-quality sport for all students,

both in the context of their initial education and as part of their student life. The goal is also to nurture the health and well-being of the university community as a whole. Lastly, in 2020 the University hopes to regain the No.1 ranking among French sports associations and will continue to develop its international initiatives. In terms of culture in 2020, Lyon 1 University is committed to ensuring the continuity of the Théâtre Astrée and its Arts and Sciences programme designed by the Nième company, and to sustain the impetus given to its cultural offer through the CVEC.

*Show at the Théâtre Astrée*  
© Eric Le Roux / Lyon 1 University Communication Department



# SCIENTIFIC CULTURE

The dissemination of scientific, technical and industrial culture contributes to the national and global reach of Claude Bernard Lyon 1 University. With a rich cultural offer, the University runs initiatives both for schools and for an increasingly diverse wider public. This year, it focused in particular on those sections of the public generally held at a distance from scientific culture, be they university staff, students, school pupils or people with disabilities. Through this commitment, Claude Bernard Lyon 1 University helps strengthen and diversify its dialogue with the public as a whole regarding major social issues in connection with the sciences.



**80**  
EVENTS IN THE LYON 1  
**UNIVERSITY**  
**LIBRARIES**  
29,985 PARTICIPANTS



LOCAL FINAL OF THE  
"MY THESIS IN  
180 SECONDS"  
COMPETITION  
100% LYON 1  
PODIUM



**91,000**  
PAGES CONSULTED ON  
**SCIENCES**  
**POUR TOUS**  
[SCIENCE FOR ALL]



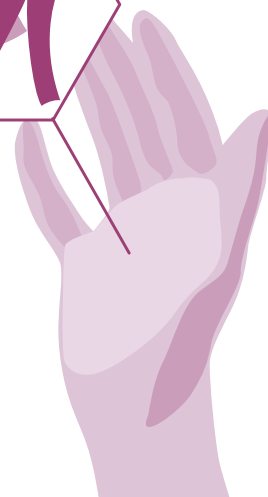
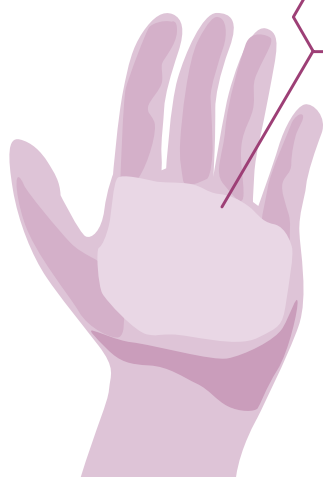
**5**  
SCIENCE AND  
ART CONFERENCE  
CYCLES  
AT THE THEATRE  
ASTRÉE

## CHIMIE@HOME:

Exhibition organised  
in partnership with  
8 laboratories  
affiliated to Lyon 1



Chemistry in  
everyday life



## IN 2019

- ✚..... The Chimie@home exhibition was organised as part of the 2019 Science Festival event in partnership with eight laboratories affiliated with Claude Bernard Lyon 1 University. This exhibition was installed in the Sciences Library until 5 January 2020 and showed how chemistry forms an intrinsic part of our everyday life.
- ✚..... Gérard Panczer, a researcher at the Institute of Light and Matter, and Geoffray Riondet, an antiques expert specialising in ancient jewellery, conducted the first ever gemmological analysis of the Talisman of Charlemagne. Their work was published in the Gems and Gemmology journal and reveals part of the history of the origin of this talisman.
- ✚..... On the occasion of International Women's Rights Day, Claude Bernard Lyon 1 University organised an exhibition entitled "Women Scientists": a series of portraits of teachers and researchers covering a broad range of research fields. This initiative, with its mission to promote equality and diversity, sought to promote careers in research for female high school and university students.
- ✚..... At the Quai du Polar Festival, Lyon 1's Medicine and Pharmacy Museum, which in 2019 received the Grand Prize awarded by the Academy of Sciences, Literature and Arts of Lyon, proposed a series of events bringing together artists, doctors and researchers on the theme of the body and death.
- ✚..... The Rockefeller Health Library inaugurated the "Robert Doisneau and Medicine" exhibition. Created at the initiative of J. Fabry and C. Gharib, Emeritus Professors at Claude Bernard Lyon 1 University, in collaboration with Mrs Deroudille-Doisneau, the exhibition explores the famous photographer's interest in the field of health.
- ✚..... The 10<sup>th</sup> edition of the Science and Manga festival took place in Lyon on the theme of the art of living in Japan. Organised in collaboration with the Japanese Consulate, this exhibition involved the Ecology of Natural and Anthropized Hydrosystems Laboratory (LEHNA) the Greenhouse and Climate Chambers Platform and the University Office of Physical Fitness and Sports, in particular.
- ✚..... For several years now, the Ampère laboratory has been taking part in geographical expeditions to Patagonia, to the little-known archipelagos of Madré de Dios. These expeditions have revealed archaeological remains and exceptional flora and aquatic fauna, and are regularly the subject of films targeting a wider, non-scientific audience. The latest such film was reshown on 17 December 2019 on the France Télévision network.

## FOR 2020

In continuation of its scientific, technical and industrial initiatives, Claude Bernard Lyon 1 University will in 2020 pursue its policy to promote its scientific work to the wider public. By leveraging on its strong links with the scientific, technical and industrial culture community in the region, the University will propose a rich cultural programme involving researchers from a wide range of disciplines. It will continue to participate in major events organised in Lyon such as the Science Festival, Brain Week and national heritage days, etc. The University

is also committed to disseminating scientific culture to its students. The MAC Sup project is an initiative of the Lyon Museum of Contemporary Art and brings arts and science students together on joint creative projects. The final project will be presented in March 2020. By engaging in scientific culture in this way, Claude Bernard Lyon 1 University seeks to strengthen an inclusive dialogue between science and society.

*Portrait of the teacher and researcher Sonia Duprey as part of the "Women Scientists" exhibition  
© 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 2019, the University continued its process to modernise its Human Resources tools and resources. It also remains focused on ensuring its staff are supported and provided with a high-quality working environment, objectives that lie at the heart of the Human Resources policy. In particular, Lyon 1 University implements an inclusive policy with respect to people with disabilities. Its ambition: to work together to construct a flexible environment accessible to all.*




**72**  
NEW  
PERMANENT  
BIATSS  
STAFF  
IN 2018/2019



**244**  
TRAINING  
SESSIONS  
ORGANISED



**115**  
BIATSS AND  
TEACHING  
STAFF  
SUPPORTED\*



**69**  
BIATSS  
TELEWORKING STAFF



**49**  
PEOPLE WITH  
DISABLED WORKER  
STATUS (RQTH)\*<sup>1</sup> BENEFITED  
FROM ADAPTED  
WORKING  
CONDITIONS

\* by the Staff Professional Support Mission

\*<sup>1</sup> Reconnaissance de la Qualité de Travailleur Handicapé

## LYON 1 HUMAN RESOURCES PRIORITIES:



## IN 2019

- ◆..... The Quality of Life at Work plan was finalised, including six themed working groups, 12 coordinators and 124 agents (92 technicians, engineers and administrative staff - BIATSS - and 32 faculty members). As a result of this work, which required around 30 meetings, 60 concrete proposals were set out in the form of actions and developed in a charter submitted to the CHSCT and CT committees in January 2020.
- ◆..... The training programme was reinforced in 2019, in particular by a diverse offer of management training (19 sessions, 180 staff members trained).
- ◆..... Staff support remained at the heart of HR policy in 2019, with the recruitment of an occupational psychologist, who was able to support 90 members of staff, and the drafting of a uniform procedure in coordination with HR, preventive medicine and social services to provide better support for staff following a prolonged period of absence, whether voluntary or involuntary.
- ◆..... The change in Human Resources Management Information System (SIRH) from Harpège to SIHAM, implemented in March 2019, was accompanied by extensive training for the technicians, engineers and administrative staff and teaching staff concerned.
- ◆..... The computerised submission of applications for promotion (all departments combined), viewable online by the CPE via a dedicated platform, was beneficial both for the management service and for members of the CPE, who had direct access to applications.
- ◆..... The implementation of tax deduction at source was the major change in 2019 for the payroll department, as well as tax exemption for overtime. 5,198 monthly payslips were drawn up on average in 2019.
- ◆..... The widespread roll-out of the GAVEL platform, an initiative of the Lyon 1 Human Resources and Information Systems Departments, headed up by the Vice President on the Board of Directors responsible for "Operational Quality, Steering and Simplification", has since September 2019 enabled computerisation of the annual recruitment process of 3,000 teaching staff on short-term contracts.
- ◆..... 387 pension files were checked and corrected by the PETREL Department in order to stabilise the accounts of personnel in the 12 higher education establishments handled by the department. 218 pension files were processed in 2019, including 31 for Lyon 1.
- ◆..... With regard to staff representative bodies, social dialogue remained as rich as ever in 2019 in Lyon 1 University, with: 8 CT, 9 CPE and 1 CCPANT.

## FOR 2020

In 2020, Lyon 1 University plans to implement computerised payslips, in collaboration with the DRFIP, and apply the new directives resulting from the French Public Sector Transformation Act, with the disbanding in 2020 of the Joint Establishment Committees (CPE) for mobility. Milestones will be set up in 2020 for an integrated management project (administrative/payroll management) with Lyon 3 and supported by the University of Saint-Etienne. Lyon 1 University will in 2020 add a "competition preparation programme" with new tools and courses such as the "success stadium", peer exchanges and mentoring. The recruiter guide for technicians, engineers and administrative staff will be updated with additional tools and will be adapted for the

recruitment of doctoral and post-doctoral researchers. Work will be carried out with the risk prevention department to harmonise the initiatives proposed as part of the various plans (quality of life at work plan, psychosocial risk prevention plan and the plan resulting from the Target University impact assessment). In 2020, discussion time on various themes (mobility, disability, teleworking, etc.) will be offered to University staff during the lunch break. A welcome booklet for contractual PhD students will be published in 2020 in partnership with the Doctoral Studies Department. Lastly, work will be undertaken to finalise and ensure the reliability of the automated processing of pensions via PETREL, for departures from 1 September 2020.

*Dance class with Yann-Alrick Mortreuil, a professional dancer, who came to talk about his disability in the context of the 23<sup>rd</sup> European Disability Employment Week.*  
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# FINANCIAL RESOURCES

The 2019 financial year was consistent with previous years. Claude Bernard Lyon 1 University strengthened its long-term planning process and budgeting provisions. Management dialogue was consolidated and harmonised through the use of reliable steering tools. The 20 or so service contracts signed between the Financial Services Department (DSF) and the departments and largest research units reflect our focus on user satisfaction and quality of service.



ACCOUNTING  
I N C O M E :

9.9  
MILLION  
EUROS



€22.8M

OPERATIONAL  
CASHFLOW

WORKING  
CAPITAL

€86.2M

## IMPLEMENTATION RATE (DATA FROM BUDGETARY ACCOUNTING):

■ 2019

□ 2018

INVESTMENT:



OPERATION:



STAFF:



- ✚..... The management dialogue mechanism was completely overhauled and restructured around budget meetings chaired by the governing body, enabling each department to be involved in the establishment's policy and defend its specific needs. Management dialogue tools were improved in terms of the review of indicators; objectives and resources contracts now form part of a performance improvement approach, with the allocation of resources dependent on the achievement of objectives and the implementation of an action plan to achieve said objectives. The 2<sup>nd</sup> level of management dialogue was harmonised between the departments and subject to greater formalisation, reinforcing the use of the content of such dialogue over time.
- ✚..... In accordance with the instructions of the Ministry for Higher Education, Research and Education (MESRI), Lyon 1 University has fully committed to engaging in strategic management dialogue by documenting and contributing to discussions with the Rectorat (regional board of education). These discussions with the State have enabled the governing body to present the advantages of greater governmental support in terms of human and financial resources, particularly with regard to the reform of health studies and student success.
- ✚..... A user guide for the online purchasing charter with the needs of the various departments and services was drawn up and circulated, within a secure and regulatory framework and in line with the recommendations of the Public Auditors.
- ✚..... The DSF's Purchasing Department saw its activity levels increase exponentially in 2019, with 184 contracts notified in 2019 compared to 110 in 2018 and 79 in 2015. The DSF has not created any new operating units since 2017, in line with the recommendations of the Public Auditors. The increased volumes have been accompanied by better quality purchasing procedures.
- ✚..... As in 2018, the overall payment terms of supplier invoices were limited to under 30 days.
- ✚..... The service contracts between the departments and large research units introduced in 2018 were rolled out on a more general basis in 2019. More than 20 such contracts have now been drawn up and signed. The DSF is therefore committed in terms of the quality of its management actions and speed of processing.
- ✚..... Since 2018, Lyon 1 University has benefited from an analytical accounting mechanism on the basis of full costs covering all training and research. The DSF developed a new tool in 2019 in connection with the DGEIP and the MESRI, as part of the activity cost awareness programme (P2CA). The P2CA thus completes the University's steering mechanism, after the overhaul of the dashboard and indicators and the full-scale roll-out of analytical accounting.
- ✚..... The financial and accounting flow cleaning system was reinforced to improve accounting quality, resulting in approval of the 2018 financial accounts by the Board of Directors in February 2019, with no reservations formulated by the auditors for the second year running.

*Meeting of the Financial Services Department and departments of Lyon 1 University.  
© Eric Le Roux / Lyon 1 University Communication Department*



# 2019 IN PICTURES



## JANUARY

Completion of the digitization of the Bonaparte Collection in the Lyon 1 Herbarium.



## MARCH

Delivery of the CENS-ELI building.



## APRIL

First spectral photon counting CT scanner at CERMEP.



## APRIL

Launch of the Joint Behaviours.ai Laboratory.



## JUNE

Lyon 1 staff sports day.



## SEPTEMBER

Open day at the Rockefeller site, National Heritage Days.



## SEPTEMBER

Inauguration of the Lyon 1 Health Centre.



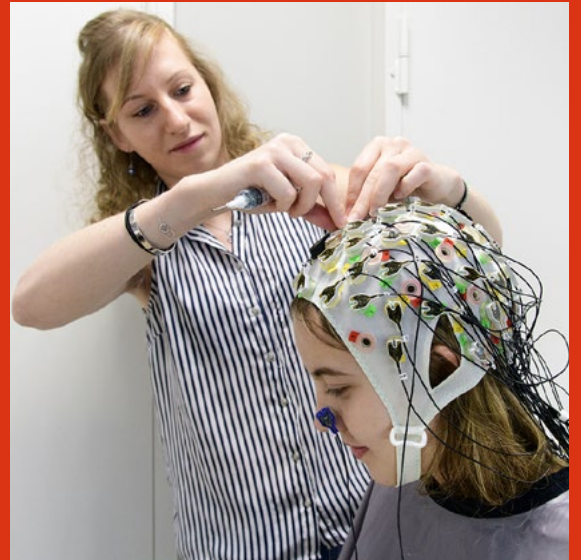
## OCTOBER

Inauguration of the Lyon Institute of Physics of the 2 Infinities.



## OCTOBER

2019 Science Festival (University Institute of Technology Chemistry Department).



## NOVEMBER

Inauguration of the Michel Jouvet Neurocampus (CRNL).



## NOVEMBER

2019 Honoris Causa Doctorates.



## DECEMBER

Virtual reality teaching.

# CLAUDE BERNARD LYON 1 UNIVERSITY ORGANISATIONAL CHART

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**Naïma DEBIT**  
*RNCP (national professional*  
*certifications registry)-Competencies*  
*and Certifications*





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