

Claude Bernard Lyon 1 University

..... ANNUAL *REPORT*

2020



Université Claude Bernard



Lyon 1

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UNIVERSITÉ DE LYON 1	
Président : FRÉDÉRIC FLEURY	
Recteur	Président
Prorecteur	Président
Directeur de la Recherche	Président
Directeur des Ressources Humaines	Président
Directeur des Finances	Président
Directeur des Services	Président
Directeur de la Qualité	Président
Directeur de la Communication	Président
Directeur de la Vie Étudiante	Président
Directeur de la Vie Sportive	Président
Directeur de la Vie Culturelle	Président
Directeur de la Vie Sociale	Président
Directeur de la Vie Internationale	Président
Directeur de la Vie Environnementale	Président
Directeur de la Vie Numérique	Président
Directeur de la Vie Citoyenne	Président
Directeur de la Vie Artistique	Président
Directeur de la Vie Sportive	Président
Directeur de la Vie Culturelle	Président
Directeur de la Vie Sociale	Président
Directeur de la Vie Internationale	Président
Directeur de la Vie Environnementale	Président
Directeur de la Vie Numérique	Président
Directeur de la Vie Citoyenne	Président
Directeur de la Vie Artistique	Président

ORGANISATION CHART
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NB: ALL FUNCTIONS MENTIONED IN THE 2020 ACTIVITY REPORT MAY BE CARRIED OUT BY BOTH MEN AND WOMEN.

CLAUDE BERNARD LYON 1 UNIVERSITY IN FIGURES



47,860
STUDENTS

4,623
STAFF
INCLUDING
2,857
FACULTY
MEMBERS

LYON 1
2020 BUDGET
420.5
MILLION
EUROS

3
CAMPUSES
11 SITES



66
RESEARCH
LABORATORIES



5,600
PUBLICATIONS
IN INTERNATIONAL
JOURNALS



€44.8M
IN RESEARCH
CONTRACTS



2nd
UNIVERSITY
FOR PATENTS FILED
INPI 2020 RANKING



16
DEGREES
50
MASTERS



10
HEALTHCARE
DIPLOMAS



€17.8M
CONTINUING
EDUCATION
TURNOVER IN 2020



65
START-UPS
CREATED SINCE 2011

Frédéric Fleury

*President of
Claude Bernard Lyon 1 University*



The 2020 edition of our annual report reflects what a strange year it has been and examines the extraordinary actions conceived and put in place collectively in response to the COVID-19 crisis. At the same time, this overview of 2020 at Lyon 1 highlights the resources and capacity for adaption and innovation that our University has been able to prove. As 2020 draws to a close, we are proud to be able to present in this summary the image of a robust University grounded in

solidarity. Lyon 1 has demonstrated its ability to adapt and resist in order to continue to provide education, research and support for its entire community, as well as for its partners, at any cost.

2020 thus saw the fruition of some large-scale projects and great achievements despite the crisis. As you will read in the following pages, our university has continued to function in all its fields of expertise: from education and innovation through to research.

2020 also marked the end of a mandate. Our university has come out in excellent health and continues to hold its course and fulfil its academic role as well as possible.

The financial strength of Lyon 1 enables it to create new jobs every year. Our own resources grew to account for more than 20% of our budget.

We also won a number of major projects to better welcome and support students (NCU, SFRI) and developed our international partnerships, in particular through the Arqus European University project.

EDITORIAL

In 2020, more than ever, quality of life at work for our staff remained a key concern. We continued to roll out working from home, developed the system of benefits and established a quality of life at work charter. The well-being of all is a key factor in our collective success and is what drives our work. With 2020 behind us, 2021 begins with a new mandate, new governance and a new ambition for our university. Following the end of the Idex, a new strategic project will be drawn up in response to the next Investment for the Future Program (PIA4): Lyon 1 will continue to fulfil its national role as a major French university.

This project will position our university at the centre of an academic strategy shared with research bodies, the university hospital — a close partner of the University — and other higher education establishments, in order to work together to defend the joint brand of a major university.

Finally, in 2021 Claude Bernard Lyon 1 University will celebrate its 50th birthday, giving even more momentum to our future projects, which we plan to be bold and ambitious. In the meantime, we hope you enjoy reading the 2020 annual report in its new, streamlined form that we feel gives greater clarity to our actions and our DNA.

IMPACT OF COVID-19

Lyon 1 University has put in place a range of exceptional measures in response to the health situation, validated on a weekly basis in a dedicated crisis unit. These measures have enabled us to continue our teaching and research activities while guaranteeing the safety of each and every individual. In total, €10 million in funds have been released to this end.

..... Actions carried out in 2020

..> **Continuity of teaching and the awarding of degrees**

As of February 2020, Lyon 1 made the necessary arrangements to provide distance learning to all students and secure all degrees. Distance teaching kits were distributed to the University's teaching staff in September 2020.

..> **Research**

The research activities of Lyon 1 continued and teams contributed their skills, alongside the University of Lyon and Hospices Civils de Lyon, to further research into infection by SARS-CoV-2 and the associated illness, COVID-19.

..> **Covid-19 Emergency Support Fund**

A special fund was set up to help students depending on their situation: 320 students thus received emergency financial support, for a total amount of €115,600. In addition, the social part of the Student Initiative Development and Solidarity Fund made it possible to help 125 students for a total amount of €86 677.

..> **Combating the digital divide**

By releasing an envelope of €1.2 million, Lyon 1 also implemented the "All Connected at UCBL" scheme in partnership with the Lyon Metropole to acquire IT hardware and means of connection. The aim: to enable all students at Lyon 1 to follow their course via distance learning.

..> **Health and safety**

Throughout the crisis, the various services provided by Lyon 1 remained alert and mobilised to ensure the safety, physical and psychological health and well-being of staff and students of the University: the University Health Service, the Staff Social Service, the occupational psychologist, the Safety Service, the Staff Professional Support Team, the University Libraries and the University Sport and Physical Activity Service.

..> **International mobility**

As many foreign experiences were cut short or cancelled, the International Relations Department organised the repatriation of a number of students and processed more than 225 appeals for financial help to cover the costs incurred by early returns or cancelled departures.

3,000
STUDENTS
BENEFITED
FROM THE
"ALL CONNECTED
AT UCBL" SCHEME

€
450
IN AID
TO INDIVIDUAL
STUDENTS

1,000
KITS
FOR DISTANCE
TEACHING
DISTRIBUTED TO STAFF



Lyon 1 organised the distribution of 300 meal bags for its international students on 24 December 2020

© Béatrice Dias / Lyon 1 University Communication Department

For 2021

The crisis has revealed the adaptability of all faculties and services of the University, with resilient administration, research and teaching teams mobilised to ensure the continuity of their work.

The measures and actions taken to set up distance working have proved effective and have opened up new possibilities and ideas for working from home, with the creation of a working group to update the university's charter and the preparation of

an ambitious working from home plan, in particular.

Lastly, a "feedback" survey was conducted with staff in order to assess the impact of the lockdown period, with a view to improving our organisation and procedures even further.

The president of Lyon 1 University, Frédéric Fleury, would like to thank all staff and students for their unprecedented efforts: "It has been

a difficult time and our students, in particular, have been severely affected. The sense of solidarity at Lyon 1 University generated a great momentum of support and the implementation of concrete measures for those most in need.

INITIAL EDUCATION

Teaching and the transfer of knowledge continued uninterrupted despite the crisis linked to COFID-19. Thanks to the efforts of all involved: governance, faculty, staff and students, the form of all teaching activities at Lyon 1 was radically transformed in a matter of days, enabling students to pursue their studies and obtain their degrees in line with the university calendar.

..... *Actions carried out in 2020*

..> Implementation of the reform of health studies

The specific “access to healthcare” programmes (PASS) and undergraduate courses with an “access to healthcare” option (L.AS) were launched this year: 7 PASS programmes and 6 L.AS programmes were offered at Lyon 1, taken up by more than 2,000 students. This was the final year for the First Year Foundation Course in Health Studies (PACES).

..> Training students for the professions of the future in the field of health

The new undergraduate degree in Science for Health, unique in France, was launched this year to prepare students for emerging professions in the field of connected healthcare and supporting people in the context of their life course. 1,190 applications were received for 40 available places.

..> Open and collaborative science

The range of masters degrees proposed was extended with the Master in Scientific and Technical Information and Mediation, training students in new professions involving the mediation and the mediatisation of digital scientific information, produced and delivered using open (Open Science) and collaborative (Science 2.0) methods.



Hybrid comodal class, digital modelling in mechanics

© Eric Le Roux / Lyon 1 University Communication Department

© Eric Le Roux / Lyon 1 University Communication Department

..> **Success of the Master in Leading International Vaccinology Education (LIVE)**

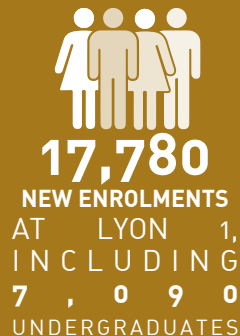
The Master in LIVE is a very high-level international course coordinated by Lyon 1, receiving 1,000 applications for 25 available places. In 2020 it was awarded the “good practice” label by the Erasmus agency. Partnership with major companies in the field make it possible to award excellence grants to several students each year.

..> **First virtual edition of the student fair**

As the key career events for high-school students (Student Fair, Higher Education Days) could not take place in person in 2021, the teaching staff and departments of Lyon 1 worked tirelessly to provide a 100% virtual presentation of the university’s courses and thus maintain Lyon 1’s participation in these events.

..> **Roll-out of the PIX digital skills certification**

Lyon 1 launched the roll-out of the PIX digital skills certification to enable all students to certify their digital skills. This roll-out is in progress for the STS undergraduate degrees and ISTR courses. A University Diploma in “Digital Culture and Skills in Healthcare” was also created and offered to IFSI students, to great success (300 registrations).



Initial education

Number of graduates 2019-2020:



Professional integration:

PROFESSIONAL BACHELOR DIPLOMAS



MASTER (excluding MEEF)



ENGINEER



HEALTHCARE PROGRAMMES

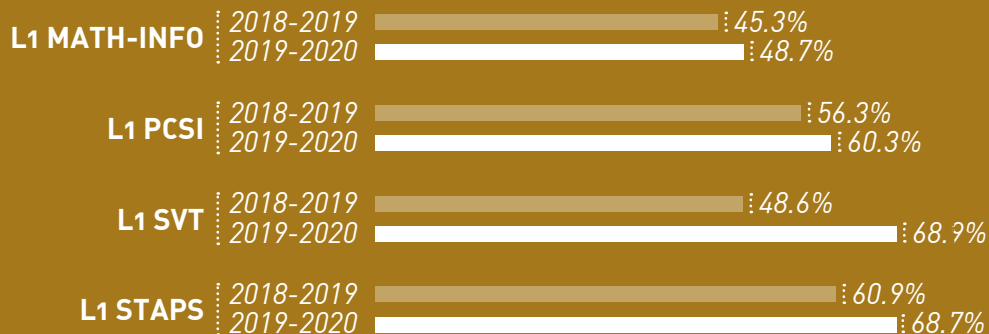
10 degrees



BACHELOR 16 degrees

MASTER 50 degrees

Success rate among first-year undergraduates:



..... For 2021

2021 will be rich in events and projects. The Technological University Bachelor degrees (BUT) and the new Masters in Teaching, Education and Training (MEEF) will be rolled out and delivered to their first students. These new courses are the culmination of hard work by the teaching staff, who managed to bring these projects to fruition despite difficult circumstances and a tight schedule. 2021 will also mark the end of the accreditation renewal process for the programmes

offered at Lyon 1, which commenced in 2018. The preparation of course models for the future programmes offered by the university will continue, with their launch scheduled for September 2022. The reform of health studies will continue, with the introduction of new PASS and L.AS programmes that will make it possible to offer students new opportunities and broaden the diversity of student profiles pursuing health studies.



Seminar in cellular biology

CONTINUING EDUCATION

In 2020, continuing education underwent a number of changes linked partly to the law on the freedom to choose one's professional future and partly to the health crisis, including in particular the digitisation of courses, the economic recovery plan and computerised processes. Lyon 1 managed to adapt and its continuing education activity was maintained.

.....Actions carried out in 2020.....

..> **Apprenticeship: increasingly popular**

One of the consequences of the law of September 2018 has been a significant transfer of professional integration contracts (-80%) to apprenticeship contracts (+70%), with an 8.3% rise in the number of students on work-study courses at the start of the 2020-2021 academic year.

..> **New "My Training Account" scheme**

The "My Training Account" application was launched at the end of 2019 and enables 34 million active people in France to find the right course to match their professional development plans. For Lyon 1, this has resulted in 68 courses appearing on this portal and 181 applications received, with a 66% success rate.

..> **Lyon 1, a natural partner in the socio-economic world**

Lyon 1 and seven professional branches* have decided to build on the reform of 5 September 2018 and the new means for implementing apprenticeship contracts to develop partnerships in order to set up and practice apprenticeship in 45 courses at Lyon 1.

..> **Long-standing partnerships consolidated**

2020 was the first year of application of the agreement signed between Hospices Civils de Lyon and Lyon 1 concerning continuing education. The aim: to simplify access by HCL staff to courses offered by the two faculties of medicine and also to satisfy the expectations of financial donors regarding quality commitments.

..> **A broader support mechanism**

Under the Lyon 1 objectives and resources contract, around 40 teaching teams were supported by the FOCAL** department in order to translate their courses into skills sets and the same number initiated or completed the process to provide a module-based course.

* agri-food, building and public works, chemicals, healthcare industry, metallurgy, plastics and textiles

** Continuing Education and Work-Study Programmes



2,065
WORK -
STUDY
CONTRACTS*1



119
INTERNS
FUNDED BY
THE CPF*2



€17.8M
IN REVENUE

*1 +7.6% compared to 2020

*2 Personal Training Account: €330,481 in revenue



Training on the prevention of the risk of infection linked to the environment and hot water network

© Eric Le Roux / Lyon 1 University Communication Department

For 2021

In 2021, the development of continuing education at Lyon 1 will include a scaling up of the courses proposed under the Personal Training Account (CPF) scheme, the development of a hybrid offer tailored for employees and the inclusion of our university diplomas in national directories (National Directory of Professional Certification (RNCP) or specific directory).

Turning qualifications into skills

and offering modular courses will remain priority areas for 2021. This work, which commenced in 2017 and is supported by the FOCAL department, is fully in line with the university's objectives for the next accreditation and those of the CURSUS + project.

As part of its quality approach, the continuing education department of Lyon 1, which in 2018 obtained FCU certification (University-based

Continuing Education) by Bureau Veritas, is working towards obtaining QUALIOPI certification by summer 2021, a new quality label introduced by the law of September 2018 that attests to the quality of the processes implemented within the department and provides access to public or mutual continuing education funds.

RESEARCH

Lyon 1 University is positioned as a major player in national and international research, while remaining firmly anchored in the Lyon area. Its main fields of research, pursued through a range of projects and collaborations, proved all the more relevant in 2020 with the emergence of the Covid-19 crisis.

.....Actions carried out in 2020.....

..> **Replicability in computer graphics (LIRIS)**

Researchers have evaluated the reproducibility of source code provided by the authors of publications. Their results, compiled on a website, suggest an improvement in reproducibility between 2014 and 2018.

..> **First global veterinary health hub (IVPC)**

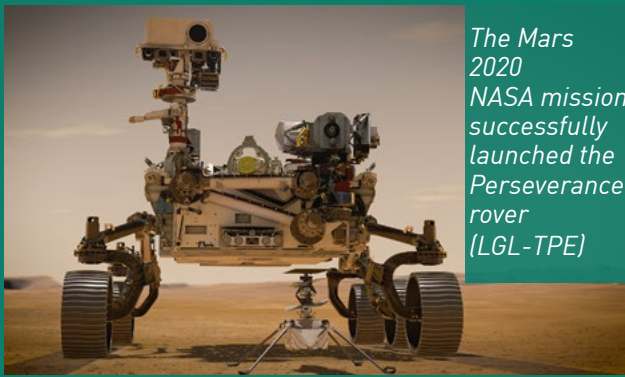
This project, involving nine partners, aims to make Lyon a world centre for public veterinary health: a strategic goal for the future given the emergence, rapid spread and multiplication of animal epidemics, sometimes transferable to humans.

..> **Lyon 1 signs the DORA declaration**

By signing the San Francisco declaration on research assessment (DORA) alongside more than 600 international organisations, Lyon 1 University confirms its commitment to a policy of open science at the university.

..> **InfectioTron project (LBBE, CIRI, IVPC)**

Coordinated by Lyon 1 with 7 other partners, this project aims to develop a Lyon-based ecosystem to implement the concept of "One Health" in the field of emerging infectious diseases (AMI Equipex+).



The Mars 2020
NASA mission
successfully
launched the
Perseverance
rover
(LGL-TPE)

© NASA/JPL-Caltech



LEHNA research platform,
the ponds - Campus LyonTech - la Doua

© Eric Le Roux / Lyon 1 University Communication Department

..> **Researchers from Lyon 1 faculties
"highly cited" in 2020**

Professors Hatem Fessi (LAGEPP), Jean-Yves Blay (CRCL) and Abdelhamid Elaissari (ISA) are among the most cited researchers on the Web of Science platform in the categories of pharmacology and toxicology and clinical medicine.

..> **Field instrumentation for water
quality surveillance (INL/LEHNA)**

This project aims to develop field instrumentation to qualify the influence of a water sample on the metabolism of microalgae. Biotrials conducted in the field with low cost microfluidic chips without any infrastructure offer new perspectives.

..> **The hunt for black holes continues
(IP2I/ILM)**

Several gravitational wave detections revealing new stars or black holes gave rise to scientific publications in 2020 involving IP2I and ILM.

..> **Launch of the Perseverance rover
(LGL-TPE)**

On 30 July 2020, NASA launched the Perseverance rover to Mars as part of the Mars 2020 mission in which scientists of the LGL-TPE took part.

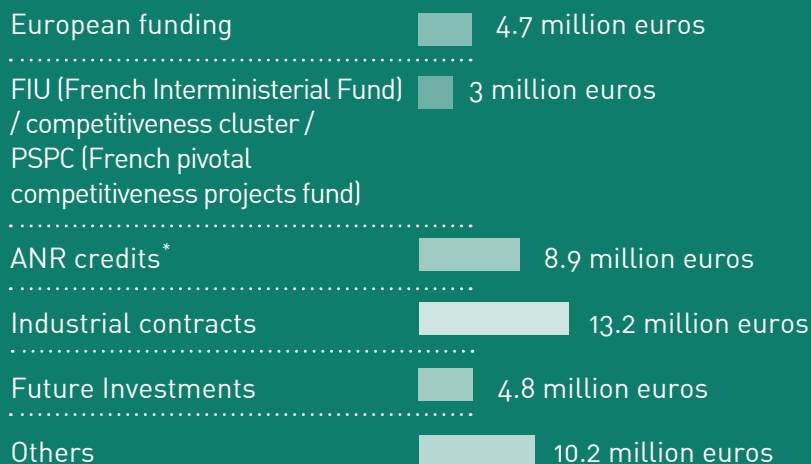
8
ERC PROJECTS
ONGOING

€8.9M
ANR CREDITS
RECORD AMOUNT
AT LYON 1 UNIVERSITY

5,600
PUBLICATIONS
IN INTERNATIONAL
JOURNALS

1,495
PHD STUDENTS
INCLUDING 347
THESES DEFENDED

2020 research funding



*French National Research Agency

OVERALL TOTAL 44.8 million euros

For 2021

The emergence of Covid-19 has highlighted the global and globalised nature of the current health crisis, like many other societal challenges. Lyon 1 University will continue to strengthen its collaboration at national and international level in 2021, with a multitude of players in research and industry. Lyon 1 plans to promote the excellence of the research carried out by its faculties and departments. This ambition will take concrete form with the creation of associated international laboratories (AIL between Lyon 1 and Laval University) and will also be reflected locally with the continued development of a strong research ecosystem in Lyon, in particular by the

creation of a research and equipex consortium on the University's flagship themes: healthcare, mathematics, computer science, physics, chemistry, Earth and Universe sciences, life sciences, etc.

Lastly, in a context of high societal expectations with regard to research institutions and higher education, the University has made Open Science one of its future areas of focus and plans to develop a proactive Open Science policy at Lyon 1.

*Mass spectrometry platform of the Institute of Molecular and Supramolecular
Chemistry and Biochemistry (ICBMS)*

© Eric Le Roux / Lyon 1 University Communication Department



INNOVATION

Lyon 1 is consistently ranked in the top one hundred most innovative universities in the world and has great potential for innovation thanks to its close relationships with local bodies such as PULSALYS (a SATT - public-private enterprise for the accelerated transfer of technology) and its internal skills thanks to its subsidiaries Ezuz and LIP. The University is thus positioned as a major player in the promotion of research at national and international level.

.....Actions carried out in 2020.....

..> An NMR platform dedicated to commercial enterprises (CRMN)

The platform hosts a unique panel of instruments in the world today and is pushing the boundaries of observability for chemistry, materials and biohealth. It forms part of a broader set of platforms supported by the Auvergne-Rhône-Alpes Region (IRICE).

..> 2 Lyon firms beneficiaries of the EIC Accelerator call (CIRI/ICBMS)

This scheme under the Horizon 2020 programme is reserved for innovative SMEs and rewarded two firms formed partly based on technology developed by Lyon 1 University: Axo Science (ICBMS) and Signia Therapeutics (CIRI).

..> Mapping of the brain by digital simulation

A new method based on digital simulation precisely quantifies haemoglobin responses and the functional state of the brain. In collaboration with Pulsalys, the technology is being transferred to industrial players specialised in the design of optical devices to assist in neurosurgery.

..> A 100% electrical transmission bike (Laboratoire Ampère)

To design an electric bike with no lithium battery: this is the aim of a project carried out by Laboratoire Ampère, the Carnot Ingénierie@Lyon institute and the firm S.T.E.E. This work has resulted in the creation of the UFeel brand of hybrid bikes.

..> SCANnTREAT, diagnosing and treating cancer tumours (ICL)


Frédéric Lerouge, beneficiary of the FETOpen 2020 call, is working with five partners to develop an innovative device for diagnosing and treating cancer tumours in real time and simultaneously.

..> Separation and recovery of metals for innovative green processes (ICBMS)

A process with the potential for the integrated capture and use of CO2 by sustainable processes. This work has resulted in the creation of the start-up Mecaware for the recycling of precious metals and rare earths.

inpi
2nd
UNIVERSITY
FOR FILINGS
(INPI 2020 RANKING)

 67
PATENTS
FILED

 53
PROJECTS
UNDER WAY
(IN CONJUNCTION
WITH PULSALYS)



A new nuclear magnetic resonance (NMR) platform dedicated to commercial enterprises within the CRMN

© Eric Le Roux / Lyon 1 University Communication Department

..... For 2021

In 2021, Claude Bernard Lyon 1 University will continue its proactive policy to promote research based on partnerships. By forging strong, sustainable links with firms, as well as with local innovation bodies, Lyon 1 plans to pursue its role in creating businesses, filing patents and transferring assets to industry. The various projects expected

in 2021 will seek to strengthen this continuum between disciplinary, interdisciplinary and partnership-based scientific research by leveraging on its strengths and promoting its internal skills. Lyon 1 will confirm its ambition to establish itself as a key player in scientific innovation and to position itself at the forefront of the major

societal challenges facing us today, particular in the field of healthcare.

2020 in pictures



> Eurexpo student fair, January 2020



> Elections for the University's central boards at the Laennec site, February 2020



> Inauguration of the new building of the Cens-Eli centre for nutrition January 2020



> Roll-out of distance learning across the whole University

March 2020



> Distribution of PPE: masks, gels and wipes for all staff after the first lockdown

May 2020



> Organisation of the final PACES entrance exam Espace Double Mixte, June 2020



> Inauguration of the new knowledge transfer room, welcoming a class of middle-school students Observatoire de Lyon, October 2020



> Student integration days escape game LyonTech - la Doua campus

September 2020



> Re-election of the president of Lyon 1 University, Frédéric Fleury

PARTNERSHIPS

Lyon 1 University consolidates its actions with the world of industry to promote its research and extend the reach of its educational programmes. It leverages the expertise of its research units and technological platforms to support industry and natural institutional partners, such as Chambers of Commerce and Industry, Aderly (Lyon region economic development agency), competitiveness clusters and hubs.

.....Actions carried out in 2020.....

..> Hybridisation of higher education programmes

The HYBRID IT project, in response to the Hybridisation call for projects under PIA 3 (French future investment programme), was awarded funding of one million euros. Twelve course hybridisation actions will be carried out (over the course of 2021 and 2022) by the Lyon 1, Lyon 2, Lyon 3 and Jean Monnet universities. The Transition to Hybridisation in MiagE (computer methods applied to business management) project, also known as THEME, led by the ERIC laboratory, was selected as part of the Hybridisation action and the NCU3 call for projects. It involves 17 partners and has secured funding of €1,360,000, including €989k for Lyon 1.

..> Creation of two joint laboratories

Subsidised for up to €350k for a period of four and a half years, the Neuroimaging for Drug Discovery (NI2D) project, selected by the ANR and led by the CRNL and the firm Theranexus, aims to set up a joint pharmacology and multimodal neuroimaging team covering PET, MRI and high-resolution ultrasound. The iHub POLY-9 project, led by C2P2 and the Arkema group, concerns research into the development of fluoropolymers for applications in the field of batteries and chemical engineering. The corresponding budget is estimated at €620k for a period of five years.

..> New spin-off

After the start-up Healshape,

which developed a personalised breast prosthesis, the 3DFab platform has contributed to the emergence of a promising new spin-off: 3Deus Dynamics. This pushes the boundaries of 3D printing thanks to a revolutionary process (a cross between 3D printing and injection/moulding) making it possible to use all materials available on the market with no chemical reformulation, no supporting structure and no geometrical limits.

..> Labels

Two Regional Structuring Projects for Competitiveness (PSPC) were labelled by the Techtera / EMC2 and Plastipolis clusters respectively, and eight RDI Booster projects were labelled by the Axelera, Techtera, Plastipolis, CIMES, Nuclear Valley, Minalogic and Lyon Biopôle clusters.



€42.9M

IN PARTNERSHIP
RESEARCH



€13.2M

IN CONTRACTUAL
RESEARCH

459

COLLABORATIVE
PROJECTS
FUNDED



3D Fab tissue printing platform

© Eric Le Roux / Lyon 1 University Communication Department

..... For 2021

In terms of socio-economic partnerships, Claude Bernard Lyon 1 University will continue in 2021 to leverage on the expertise of its 66 research units, as well as on its technological platforms, which have been very active despite the health situation and which remain key tools in the University's partnership strategy towards

industry and in particular small- and medium-sized enterprises.

The volume and quality of the projects currently under consideration as part of the RHU5 call for projects (Joint Hospital and University Health Research) once again illustrates the complementary nature of the teams of Claude Bernard Lyon 1 University

and Hospices Civils de Lyon.

INTERNATIONAL RELATIONS

Lyon 1 continues to grow internationally, in particular thanks to the Arqus alliance: the European university constitutes a major lever for intensifying our actions at the European scale. Despite the health crisis, the inward and outward mobility of students and staff, which has increased sharply over the past four years, remains a priority for the International Relations Department (DRI), in particular via the Erasmus+ scheme.

..... Actions carried out in 2020

..> **New international double degrees**

A new double degree course was signed with the HIGH TECH school in Rabat concerning a Master in STS (Science, Technology and Society) at Polytech Lyon. A second project for the Bachelor in IT Professions of the IUT is also in progress with this partner.

..> **Renewed membership of the USTH Consortium**

Lyon 1 has renewed its participation in the USTH consortium for an “international university of excellence”, created by intergovernmental agreements between France and Vietnam. As part of this project, Lyon 1 takes part in awarding masters degrees in the fields of pharmacology, energy and materials.

..> **Virtual summer school between Lyon and the University of Ottawa**

The Medicine and Humanities summer school took place virtually from 2 July to 7 August 2020 between the doctors, students and researchers invited from the universities of Ottawa and Lyon, on the theme of artificial intelligence and health relations in the time of a pandemic.

..> **Arqus European University alliance**

Lyon 1 is a member of the Arqus European University alliance. Its aim: to establish strengthened cooperation at European level by 2025 in various disciplinary and cross-disciplinary sectors. Despite the health situation, the teams managed to carry out a number of actions, such as the running of a winter school on climate.

..> **Erasmus+ European projects**

Fifteen Erasmus European projects were managed in 2020. Six of them were obtained in 2020, such as the CHAISE* Sectoral Alliance project for skills, which carries on from the BLISS** project, which was awarded the “good practice” label by the Erasmus France agency.

..> **“Bienvenue en France” label**

Lyon 1 obtained the “Bienvenue en France” label with 2 stars, valid for 4 years, confirming the quality of its provisions for hosting international students.

*A Blueprint for Sectoral Cooperation on Blockchain Skill Development

**Blockchain skills for ICT professionals



40

COURSES
AS PART OF INTERNATIONAL
PARTNERSHIPS*1

arQus 7
European University Alliance
UNIVERSITIES
FOR THE
ARQUS
EUROPEAN
UNIVERSITY ALLIANCE



+65%

MOBILITY
OF STAFF
IN EUROPE*2

*1 +38% during the period 2016-2021
*2 in the past 4 years



Meeting between Nigerian students, the Ambassador for Nigeria in France and the PTDF (Petroleum Technology Development Fund) (February 2020)

© Eric Le Roux / Lyon 1 University Communication Department

For 2021

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, as well as to host international staff and students. This policy will, in particular, include the internationalisation of our courses, with the creation of double degrees.

In this context, the new Erasmus 2021-2027 charter will offer new mobility opportunities for students, doctoral students and staff in the European Union, with strong commitments to adapt our practices in favour of the ecological and digital transition. To do this, Lyon 1 will offer new forms of mobility, such as hybrid mobility,

and will encourage those concerned to adopt an environmentally friendly way of life and modes of transport.

In addition, the University's membership of the Arqus Alliance will further its actions on the European scale, notably with the annual ARQUS conference to be held in Vilnius, in Lithuania, from 6 to 8 October 2021.

BUILDINGS AND FACILITIES

Claude Bernard Lyon 1 University continues to pursue operations to renovate teaching and research premises in order to improve conditions for students and faculty members. The multi-year strategic real-estate plan (SPSI) was validated in 2020 after consideration by the governing bodies, and made it possible to set out the main priorities for the coming years.

..... Actions carried out in 2020

..> *LyonTech - la Doua campus plan*

As part of the Campus Plan, the Dubois building was delivered on the LyonTech-La Doua campus. 2020 also saw the commencement of work on the Grignard, Lwoff and Mendel buildings.

..> *Rockefeller site*

At the Rockefeller site, tranche 2 was delivered for the sum of €32.5 million.

..> *Large amphitheatres*

Work was also able to commence in 2020 on the renovation of the Deambulatories amphitheatres on the LyonTech-La Doua campus and four amphitheatres at the back of the courtyard at the Rockefeller site, as well as the renovation of the premises of the former Medical and Legal Institute.

..> *Institute of Nanotechnologies of Lyon - CPE*

Work on the operation involving the Institute of Nanotechnologies of Lyon - CPE (INL-CPE-commenced for an amount of approximately €30 million.

..> *Student union*

Work commenced in 2020 on the IUT Lyon 1 student union for staff and students.

..> *Economic recovery plan*

Five projects proposed by Lyon 1 University were selected as part of the government's Economic Recovery Plan to support the building sector and improve the energy efficiency of public buildings, for the sum of €25 million.



7,378
MAINTENANCE
OPERATIONS

40

LONG-TERM
INVESTMENT
PROGRAMME
OPERATIONS
(€130 MILLION)



€25M
OF INVESTMENT
IN LYON 1 CONTRACTING



Renovated Dubois building (LyonTech - la Doua Campus)

© Eric Le Roux / Lyon 1 University Communication Department

..... *For 2021*

Claude Bernard Lyon 1 University real-estate operations will continue in 2021 with the commencement of construction of the CIRI building on the Gerland site, further deliveries of the Campus Plan (Mendel, Grignard and Lwoff) and the start of renovation of the Forel building. The operations awarded funding under the economic recovery plan (the Laënnec B building on the Rockefeller site, in particular) will be studied in order to comply with the government's rapid funding commitment requirements. At the La Buire site, renovation of the facade of the odontology building will begin, as well as construction of the gymnastics space in collaboration with the CROUS, in the new student halls. The operations proposed as part of the State-Region planning contract (CPER will be judged in autumn 2021. They concern the IUT Skyscraper, the physics quarter, the sports facilities, additional work to tranche 3 of the Rockefeller project and the three sites hosting an INSPE (Higher National Institute of Teaching and Education). The work to build a reception area will commence and will ultimately provide students with a place to meet in an open, modular space.

CAMPUS LIFE

The University's priorities in terms of its users are to offer a real quality of life on our campuses and broad access to culture and sport for all. In 2020, despite the COVID-19 crisis, the University was able to rely on the resources and pragmatism of its Committee for Staff Leisure and University Social Action (CLASUP), its Culture Mission, its University Office of Physical Fitness and Sports (SUAPS) and the dynamism of its many student associations. The University thus managed to continue to fulfil its role in terms of social action, culture, sport and student life.

..... Actions carried out in 2020

STUDENT LIFE

..> Integration Week

The 3rd edition of the Lyon 1 Integration Week dedicated to welcoming new students was maintained in September 2020. For the first time, it was organised on three of the main Lyon 1 campuses. The programme included meetings with the university community as well as fun social highlights such as a giant escape game.

..> Welcoming spaces

Lyon 1 decided to invest in the redesign of informal spaces (corridor, hall, etc.) in order to make them more welcoming, connected and comfortable. A first phase made it possible to create areas for relaxation, work and catering on the LyonTech - La Doua and Lyon Santé Est campuses.

..> Menstrual precarity

In order to combat menstrual precarity, Lyon 1 organised a campaign to distribute menstrual products at various sites during the 2020 Integration Week: 6,000 sanitary pads and 1,000 menstrual cups were distributed.

..> Disability Mission

983 students were assisted in setting up adapted studies and/or exams. 61 student employees and 4 independent contractors were employed to provide a total of 2,355 hours in human help. Lastly, in collaboration with the University libraries, 10 computers available for loan were reserved for students with disabilities.

SOCIAL

..> Catering

The CLASUP adapted to the health situation by offering takeaway meals for Lyon 1 staff. 19,269 takeaway means were thus served between 17 April and 18 December 2020.

..> University Social Action Initiative (ASIU)

An ASIU entitled "Birth" has been proposed since 1 January 2020, benefiting 47 children of Lyon 1 staff. Two new ASIUs linked to COVID-19 have been in place since 11 May 2020: Financial Support for PPE (gel and masks) and Financial Support for soft transport (bikes and scooters).



1,359
FAMILIES
RECEIVED A
GIFT CARD
FOR CHRISTMAS



19,789
STUDENTS
BENEFITED
FROM **SUAPS**
ACTIVITIES



9,151
PARTICIPANTS
IN **CULTURAL**
ACTIVITIES

SPORT

·> *Sporting events*

Several events were organised by the SUAPS between January and March 2020, such as badminton, volleyball and basketball night.

·> *Adapted courses*

350 students were able to adapt their courses to take sporting activities into account. These adaptations primarily concern students with disabilities or medical inaptitude.

·> *Even remotely*

During the first lockdown, the SUAPS set up a teaching platform offering physical activity sessions to all University users. During the second lockdown, students were able to be assessed using a remote system in the form of weekly sessions.

CULTURE

·> *Théâtre Astrée*

In the field of culture, the Théâtre Astrée was able to adapt to the health restrictions and the Chaos Danse festival successfully took place in September 2020. This adaptation also included the setting up of a multi-camera recording set used for the live streaming of several events.

·> *Art workshops*

91% of art workshops were maintained and took place remotely. At the end of these workshops, the “Les Arthémiades 2020” festival was created online by sharing the works created via the new YouTube channel dedicated to the festival.

Campus



Welcoming new staff September 2020

© Eric Le Roux / Lyon 1 University Communication Department



Sport at Lyon 1 University

© Lucie Guien / SIUAPS

life



The show "Reality", by Annelise Pizot and Pierre-Guillaume Villetton, at the Chaos Danse 2020 festival

© Garance Li

Student Integration Week September 2020

© Eric Le Roux /
Lyon 1 University
Communication Department



..... For 2021

In 2021, the University hopes to scale up its actions to enable students to study in better conditions. In terms of health, reinforcement of the University Health Service (SSU) will provide better care for student health, in particular mental health. The University will adopt student life guidelines (SDVE) to offer a high-quality service. The Student Life and Campus Contribution (CVEC) will be a key tool for this policy, one of whose major priorities will be to offer new student life activities at the various Lyon 1 sites. Significant real-estate investments will be launched or implemented, such as the IUT Doua site student union.

In terms of social support, Lyon 1 will continue to help students in the most precarious situations with measure to combat student precarity.

With regard to staff, Lyon 1 University will draft a new catering contract in 2021. This contract, concerning 1,500 meals a day, will be implemented on 1 January 2022.

In terms of sporting goals, Lyon 1 will strive to maintain the title of "Top Sports Association (AS) in the national AS challenge" obtained in 2020 by AS UDL, of which AS Lyon 1 is a member.

Lastly, in terms of culture, in addition to the development of existing actions, 2021 will see the emergence of new forms of residence at the Théâtre Astrée. Among these will be a year-long residence forging a strong association with Lyon 1 research laboratories and students. The various University sites will be duly represented in turn.

LIBRARY RESOURCES

The Lyon 1 university libraries offer students spaces for living, working and studying adapted to students' needs, with three university libraries open 7 days a week. The priorities of the Joint Library Resources Department (SCD) are to reinforce the offer of online documentation for students and researchers, diversify its services and propose innovative cultural events.

.....Actions carried out in 2020.....

..> **A university library click-and-collect service**

To compensate for the closure of the university libraries, a click-and-collect loan service was set up at the start of June in six of the SCD's nine university libraries. The staff involved lent more than 1,600 documents to students.

..> **New reading rooms**

The new reading rooms in the Rockefeller Health Library were opened in the autumn after a slight delay due to the lockdown. Bright and comfortable, they were immediately filled with students.

..> **Adaptation and modification of opening hours**

As places both for studying and socialising, the university libraries confirmed their capacity to adapt, constantly adjusting their opening hours throughout the year in line with the health restrictions in order to offer users the broadest possible access.

..> **A virtual Science Festival**

The Science Festival took place virtually on the university library website, including a digital exhibition and visit and an online conference and debate on biodiversity. Both of which

were popular with the public. A promising innovation!

..> **Student vending machines**

A new system of vending machines for small supplies was introduced at the start of the year in three university libraries to facilitate students' lives: earplugs, masks and highlighters were among the Top 10 items sold.



+ 80 %
OF DOCUMENTS
VIEWED
ONLINE
IN APRIL

9,597

LOANS
ON 13 MARCH 2020
OPERATION
"UNLIMITED LOANS"
BEFORE THE LOCKDOWN



6,182
STUDENTS
TRAINED
IN DOCUMENTARY
RESEARCH



*The university library click-and-collect service set up in June 2020**



*Students working in the extension of the Health Library**

* © BU Lyon 1

..... *For 2021*

The Lyon 1 university libraries have long been invested in promoting Open Science and have launched a project to raise awareness among researchers on open access publication, through Article Processing Charges (APC). The project aims to launch a website in June listing for researchers the APCs negotiated in journals to which the university is subscribed.

In terms of training, the shift towards remote documentation training is being consolidated. Hence, a new tutorial on children's literature is currently being prepared in response to an ever-increasing demand for these documents, which are very popular with trainers.

As the only university libraries in France ISO 9001-2015 certified

without interruption since 2015, the Lyon 1 university libraries are entering into a full certification renewal phase. Listening to users, in particular via the Libqual survey set to take place in spring, is essential to ensure the continuous improvement of their services and adapt to the needs of the entire university community.

HUMAN RESOURCES

In the context of a health crisis deeply affecting activities and working methods for the foreseeable future, in 2020 the Lyon Human Resources Department faced up to the challenge of adapting in order to fulfil its role of managing and supporting University staff and successfully pursuing its key projects.

..... Actions carried out in 2020

..> **Supporting staff**

Support for staff was key: 116 agents were accompanied by career mobility advisors, 21 workers with disabilities benefited from adapted workstations and 102 agents were supported by the occupational psychologist.

..> **Staff training**

Despite the health restrictions, the HR Department maintained a proactive training policy: 129 training sessions were organised, including 83 in the classroom, 43 remotely and 3 in mixed mode, for a total of 1,274 agents trained (1,447 in 2019).

..> **Ensuring payroll continuity**

Payroll continuity was the priority during the first lockdown. 2020 also saw progress in areas such as computerised payslips and the implementation of the acting allowance.

..> **Quality of life at work**

Several actions were implemented as part of the quality of life at work plan: management training, new working from home charter, staff development, etc.). An innovative system of tutoring for newly arrived managers was set up and tested.

..> **Working from home**

At the end of 2020, a new charter relaxing the system of working from home for BIATSS staff (technicians, engineers and administrative staff) was adopted: creation of floating working from home days, compatibility with the 4.5 day working week, etc.).

..> **Pensions**

The work to ensure the reliability of individual pension accounts by the PETREL Department made it possible to successfully complete the pension management reform. The new computerised pension admission procedure has been in place since 1 July 2020.



1,766

BIATSS AGENTS

1,293 TENURED
STAFF

473 CONTRACTUAL
STAFF*



2,857

**TEACHERS
AND FACULTY
MEMBERS**

1,783 TENURED STAFF
1,074 CONTRACTUAL STAFF*



+188%

**INSTITUTIONAL STAFF
WORKING
FROM HOME**

193 BENEFICIARIES,
INCLUDING 126 NEW
STAFF MEMBERS
WORKING FROM HOME

*as of 31/12/2020



Working meeting of the HR Department payroll team.

© Eric Le Roux / Lyon 1 University Communication Department

..... **For 2021**

2021 will be a year of continuity and commitment regarding major projects and works in the field of human resources.

In accordance with the French Public Sector Transformation Act published on 6 August 2019, work to prepare the University's management guidelines in terms of mobility and promotion will be completed. Work to update the contractual employment protocol will also commence.

The HR Department will also work

with the Equality and Diversity Mission to implement the action plan on gender equality at work, following its unanimous adoption by the governing bodies in February 2021.

The implementation of the HR measures of the LRP will also constitute a priority area in 2021.

At the same time, the HR Department is fully committed to the project concerning the European Human Resources Strategy for Researchers label(HRS4R), which seeks to improve

practices in terms of the recruitment and status of researchers.

Lastly, the HR Department is launching a major project to modernise and streamline its tools and procedures. This new organisation, based on integrated management and a new payroll pre-processing application, will offer greater fluidity and efficiency in HR processes by decompartamentalising career management and payroll operations.

FINANCIAL RESOURCES

The health crisis profoundly changed the budgetary, financial and accounting chain by accelerating the implementation of computerised processes and taking into account the impact of working from home. At no point was the financial activity put on hold and it rapidly stabilised to enable the University to continue to pursue its activity.

.....Actions carried out in 2020.....

..> **Budget reform**

The 2020 budget was significantly reformed over the course of the year to become a veritable crisis budget, allocating almost €10 million for measures to support students and the shift to digital technology, while promoting the University's research activity.

..> **Support measures**

The financial teams committed to a process to support all staff in financial and accounting roles. SIFAC training modules linked to functional training courses were put in place and practical workshops organised. Lastly, themed SIFAC workshops were made available to users in the context of working from home.

..> **Management dialogue and performance mechanism**

Two waves of budgetary conferences concerning the 17

faculties and 8 joint facilities took place, based on a mapping of stabilised indicators. As the 2016-2020 multi-year contract with the State drew to a close, a review of strategic indicators gave rise to a complete overhaul of the Annual Performance Project presenting the strategic priorities of Lyon 1 University.

..> **Ambitious and realistic multi-year programming**

Lyon 1 has raised more than €287 million through its research contracts, training contracts and real estate operations. The latter represent €133 million for 38 operations in progress. €27 million in expenditure was recorded for 2020 alone. 14 operations were completed this year.

..> **Public procurement**

Lyon 1 took all necessary measures to adapt the rules

regarding public procurement procedures and performance during the health crisis. At the same time, the purchasing team finalised the mapping of annual purchases and completed the purchasing action plan and 2021 purchasing schedule. At the end of 2020, more than 170 contracts had been notified.

..> **Institute of Nanotechnologies of Lyon - CPE**

Work on the operation involving the Institute of Nanotechnologies of Lyon - CPE (INL-CPE) commenced for an amount of approximately €30 million.

..> **Student union**

This work for the IUT Lyon 1 got underway in 2020.

ACCOUNTING
INCOME :
5
MILLION
EUROS



€19.4M
OPERATIONAL
CASHFLOW

WORKING
CAPITAL
€87.5M

*as of 31/12/2020



Meeting of the wider Financial Services Department, 27 January 2020

© Eric Le Roux / Lyon 1 University Communication Department

..... For 2021

At the end of an exceptional year from every perspective, all financial indicators of Claude Bernard Lyon 1 University remain positive, reflecting the University's robust good health and enabling it to move forward into 2021 with peace of mind.

In 2021, Lyon 1 University plans to pursue its work to simplify the financial and accounting chain. This process will, in particular, concern computerisation, electronic signatures and Electronic Data Management.

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Deputy Services Directors:

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CHAABNIA**

**Fabienne
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**Frédérique
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LIP

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

* temporary
administrator

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