

ANNUAL  
REPORT  
2021



Photographs © Eric Le Roux / Lyon 1 University Communication Department,  
except for: <sup>\*(i)</sup>Béatrice Dias, <sup>\*(ii)</sup>Cristal innov, <sup>\*(iii)</sup>Adrien Milon  
<sup>\*(iv)</sup>Bastien Cambon and <sup>\*(v)</sup>Marc Barbaire

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**NB: ALL FUNCTIONS MENTIONED IN THE 2021 ACTIVITY REPORT MAY BE CARRIED OUT BY BOTH MEN AND WOMEN.**



# CLAUDE BERNARD LYON 1 UNIVERSITY IN FIGURES



**4,578**  
STAFF  
INCLUDING  
**2,833**  
FACULTY  
MEMBERS

LYON 1  
BUDGET  
**441.4**  
MILLION  
EUROS



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



**62**  
RESEARCH  
LABORATORIES



**54**  
PATENTS  
FILED



**€47.6M**  
IN RESEARCH  
CONTRACTS



AMONG  
THE TOP **10**  
FRENCH  
UNIVERSITIES  
IN THE SHANGHAI  
RANKING



**16**  
DEGREES  
**50**  
MASTERS



**10**  
HEALTHCARE  
DIPLOMAS



**€21.8M**  
CONTINUING  
EDUCATION  
TURNOVER IN 2021



**72**  
START-UPS  
CREATED SINCE 2011



## **Frédéric Fleury**

*President of  
Claude Bernard Lyon 1 University*



As with every year, we are proud to present our results for the year just ended in the form of this activity report. Whether in terms of education, research, innovation or quality of life on our campuses, 2021 saw the launch of a number of new schemes and some great achievements.

With the enrolment of more than 46,500 students, initial education at Lyon 1 once again confirmed its appeal. The University, along with all the teaching teams, defined its new educational offer for the next five years, including new courses in line with employer expectations.

The University also maintained a wide range of continuing education programmes, again increased the number of students on apprenticeships and obtained QUALIOPI certification for the quality of its continuing education approach.

Lyon 1 continued to demonstrate the quality of its research and its development in various areas of application for society, based on strong themes covering a number of projects and collaborations, in the fields of health, new materials and the environment, including sustainable development goals. Richer relationships were forged with our closest institutional partners, such as the Hospices Civils de Lyon (HCL) and the research bodies (CNRS, INSERM, INRAE and INRIA, which has created a centre in Lyon). The University consolidated its actions in the economic sphere by contributing the expertise of its research units and technological platforms to industry.

With regard to international relations, in 2021 the University continued to pursue its European goals through the Arqus alliance, renewal of the Erasmus+ charter and European projects. It also strengthened its relationships with its Canadian and Chinese partners in the fields of health and science.

In 2021, Lyon 1 University continued to pursue operations to renovate teaching and research premises in order to improve conditions for students and faculty members and to optimise energy consumption and the environmental quality of its buildings and facilities.

# EDITORIAL

In the context of the health crisis, the “All Connected” scheme enabled us to reduce the digital divide, which unfortunately remains too wide. The quality of life on our campuses improved. The Christmas party attracted a number of families, physical and sporting activities were offered to staff and students face-to-face and two cultural events took place in 2021: the Chaos Danse festival and the Tremplin Arty art competition.

Our university libraries, ISO 9001 certified without interruption since 2015, continued to strive to offer spaces for living, working and studying for students, faculty members and researchers alike. An IT assistance service was, for example, developed in the form of drop-in centres in three university libraries.

In terms of human resources, the University continues to strive to maintain its teams and resources for teaching, research and its administrative services, against a backdrop of costly national reforms. With regard to financial resources, the University is doing well despite historically inadequate funding as a result of these insufficiently backed national reforms. The development of our own resources thanks to projects led by the research units, the teaching teams and the University give us the necessary degree of freedom to roll out new structuring projects. The 2021 budget implementation, based on the notions of multi-year programming and management dialogue, also contributed to our sound financial health.

2021 was also a very special year for Université Claude Bernard Lyon 1 as it celebrated its 50th birthday. To highlight the bonds uniting our community for five decades, our staff were invited to a special party held on 22 November 2021 at the Musée des Confluences: a chance to look back on the key moments and successes of our University and to look forward to our future.

With regard to the future, 2022 brings with it a number of projects and an upcoming review on the direction our University is to take in terms of its national and international standing. In this context, the SHAPE-Med@Lyon project, led by Lyon 1 University, has been submitted in the framework of PIA 4 “ExcellencES” (French future investment programme), alongside six other Lyon institutions\*. Its goal is to accelerate innovation in the leading health sectors in Lyon. This project forms part of a 10-year strategy to set up the Lyon Health Research and Innovation Hub 2030, designed to confirm Lyon as a major health research and innovation centre for health, through a multidisciplinary approach involving the social sciences, engineering, the environment and veterinary health.

As a result, in 2021, Université Claude Bernard Lyon 1 once again demonstrated its excellence and dynamism in a difficult context. We hope you enjoy reading this activity report.

\* Université Lumière Lyon 2, Hospices Civils de Lyon, Centre Léon Bérard, Le Vinatier Hospital, VétAgro Sup and CPE Lyon.

# INITIAL EDUCATION

*In 2021, the COVID-19 health crisis kept students and staff away from the campuses for several weeks. Thanks to the effort of all involved, from the governing body to the teaching teams, administrative and technical departments and student associations, continuity of teaching and the transfer of knowledge were assured. Students were thus able to pursue their studies in the best possible conditions and obtain their degrees in line with the university calendar.*

## ..... Actions carried out in 2021 .....

### ..> Digital Demonstrators in Higher Education (AMI – DemoES)

The INCLUDE\* project, led by Lyon 1 University, succeeded in winning the DemoES call for projects. It has received 7 million euros in funding from the ANR. Its goal: create a more accessible apprenticeship environment and enrich the repository of teaching and learning practices to offer learners personalised courses adapted to their specific needs.

### ..> Implementation of the reform of health studies

The reform of health studies continued with the launch in September 2021 of a new specific “access to healthcare” course (PASS) and a new undergraduate course with

an “access to healthcare” option (L.AS) as part of the undergraduate degree in Science for Health. These courses complete the 7 PASS courses and 6 L.AS courses already in existence, which are followed by almost 2,000 students with very diverse profiles.

### ..> Implementation of the mandatory language certification

Mandatory since 2021-2022 in order to obtain Bachelor degrees, Professional Bachelor Diplomas, Technological University Diplomas (DUT) and Technological University Bachelor Diplomas (BUT), Lyon 1 now offers “Linguaskill” certification, created by the University of Cambridge to assess the language skills of its students from A1 to C1+.

### ..> Teaching on the issues surrounding the climate transition

The University governing body has decided to create a multidisciplinary teaching unit dedicated to climate transition, to shed proven scientific and factual light on climate change, the depletion of resources and the societal transition that these factors will inevitably entail. This teaching is currently in a trial phase with 1,600 second-year students and will also be accessible to all Lyon 1 staff. The aim is to train 16,000 students a year from 2022 onwards.

\* “inclusion of learners in higher education: cultivating diversity by transcending spatial, temporal and cognitive barriers thanks to the digital transformation”



Practical class in Medicine  
Physiology, demonstration  
of the optokinetic reflex



### ..> Roll-out of Technological University Bachelor Degrees (BUT)

As part of the reform of DUTs, Lyon 1 offers 12 BUTs in the fields of manufacturing and services. In September 2021, half of all first-year students were enrolled on Technological Bachelor courses. Preparation of the 2<sup>nd</sup> and 3<sup>rd</sup> years and their coordination with the Professional Bachelor Diplomas offered by the University Institute of Technology (IUT) is currently in progress.

### ..> LeD “Light for Sustainable Lighting”

This project, led by Lyon 1, has obtained funding of 2.5 million euros over 6 years and forms part of the actions undertaken by the “Smart Lighting and Sustainable Lighting Solutions” centre of vocational excellence (*campus des métiers et des qualifications*), of which the University is the Vice-President. A building will be inaugurated in June 2022 to house the dedicated courses. Work is under way to compile skills repositories to help restructure existing courses\*\*.

### ..> “All Connected at UCBL” operation

The “All Connected at UCBL” scheme, rolled out in 2020 in the context of the health crisis to help students equip themselves with laptop computers and Internet connections, was made permanent in 2021. Lyon 1 has therefore set up a service to lend out laptops on an annual basis, which now manages 5,000 machines.

\*\* Example: Professional Bachelor Diploma in  
“Smart lights and sustainable lighting”



**46,515**  
STUDENTS



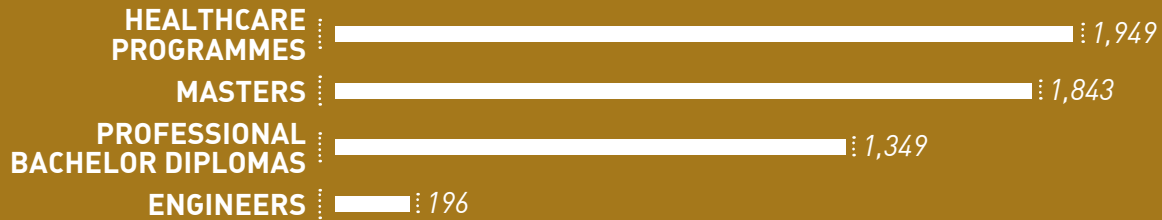
**16,573**  
NEW ENROLMENTS  
AT LYON 1,  
INCLUDING  
**6,836**  
UNDERGRADUATES



**64**  
GAP YEARS  
FOR 2020-2021

# Initial education

Number of graduates 2020-2021:



Professional integration:

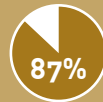
PROFESSIONAL  
BACHELOR  
DIPLOMAS



MASTER  
(excluding MEEF)



ENGINEER



HEALTHCARE  
PROGRAMMES

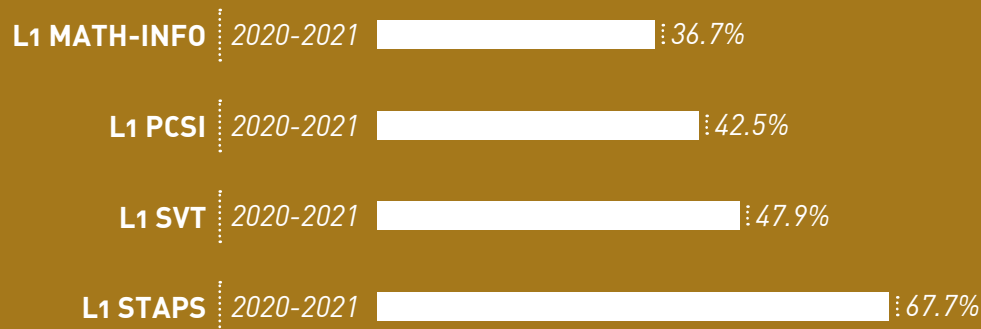
10 degrees



BACHELOR  
16 degrees

MASTER  
50 degrees

Success rate among first-year undergraduates:



..... For 2022 .....

The academic year commencing in 2022 will see the implementation of a new educational offer at UCBL. The process that began at the end of 2019 to evaluate the 2016-2022 courses and prepare the educational offer at Lyon 1 for 2022-2026 is almost complete. The future educational offer at Lyon 1 will include new degrees, like the double degree in Mathematics and Economics, the Master in Automatics and Robotics, the Master in Life Sciences and the scientific and technical university diploma (DEUST) for

pharmacy technicians. Courses that are set to continue have undergone major changes, reflected in the launch of new programmes, the replacement of a number of teaching units, the implementation of new teaching methods and a reinforcement of learning through practice. The skills approach has been generalised, with most courses structured according to blocks of skills. Hence, from September 2022 Lyon 1 will offer 116 degrees and 363 Bachelor degrees, Professional Bachelor Diplomas, DEUST and Master programmes.



Practical class in cellular biology

# CONTINUING EDUCATION

*With the entry into effect of the Qualiopi certification on 1 January 2022, the roll-out of the “professional future law” of September 2018 will be complete. For Lyon 1, the major changes brought about by this law resulted in creating of its Apprentice Training Centre (CFA) in 2019, the publication of courses on the Personal Training Account (CPF) portal in 2020 and the Qualiopi certification of Lyon 1 in December 2021.*

## ..... Actions carried out in 2021 .....

### ..> Sustained activity

Despite the pandemic, the University maintained an extensive offer of continuing education and increased the number of students on apprenticeships (+8%). An increasingly large proportion of these courses are funded by the CPF: 86 courses (+26.4%) and 262 applications received (+19.1%) in 2021. Validation of Professional Experience (VAE) is also increasingly popular: 609 quotations were issued in 2021 and 109 review board decisions taken. The entire process is now possible remotely. Lyon 1 also maintained its accreditation as a continuing professional development body (ODPC). 92 accreditation applications were made.

### ..> Obtaining the QUALIOPi certification

The University pursued its ongoing improvement process

by applying for QUALIOPi certification, which it obtained on 15 July 2021, with a view to reasserting its goals, reinforcing the relationship and trust existing between its continuing education and work-study partners, as well as increasing the interconnection and interaction between the University and socio-economic actors.

### ..> A stronger apprenticeship partnership

Work-study programmes at Lyon 1 grew significantly in partnership with the CFAs. Two new partnerships were launched:

CFA CAMPUS 2023 committed to recruiting, training and hiring 2,023 apprentices, who will be made available to rugby clubs. The STAPS faculty (sports science) is taking part in this project, targeting 2 courses at Lyon 1.

The DEUST for pharmacy technicians (in the Pharmacy Faculty of the Institute of Pharmaceutical and Biological Sciences (ISPB)) now lasts 2 years on a work-study basis. A partnership has been signed with 3 CFAs offering the course\*. The first 285 participants began the course in September 2021.

### ..> Health simulation platforms:

The Lyon Centre for Teaching using Simulation in Healthcare (CLESS) offers courses using simulation to explore the team management of complex emergency clinical situations.

\* Société d'enseignement professionnel du Rhône, Institut des Métiers de Saint-Etienne and Lycée Professionnel Privé de Nantua.





**2,369**  
WORK-STUDY  
CONTRACTS\*<sup>1</sup>



**168**  
INTERNS  
FUNDED BY  
THE CPF\*<sup>2</sup>



**€21.8M**  
IN REVENUE

\*<sup>1</sup> +14.7% compared to 2021  
\*<sup>2</sup> Revenue of €371,939 +12.5%



Health Simulation Platform, continuing education

## For 2022

The ongoing improvement process : action whose three key words are : of reliable, secure and automatic  
launched in connection with the : dematerialisation, simplification : information for improved readability  
QUALIOPi certification will continue. : and automation. Our information : for all and able to support the  
The aim is to develop a high-quality : systems must evolve, interconnect : development of our courses. This  
management system as part : and improve to provide a more : action also involves the setting up of  
of the strategic goals of Lyon 1 : efficient service for our teachers, : exchange tools, an apprenticeship  
University. This ambitious project : our beneficiaries and our partners. : platform, a digital book, attendance  
will be based on an initial plan of : This means the transmission : management, etc.

# RESEARCH AND INNOVATION

*Lyon 1 University is positioned as a major local player, in national and international research, while cultivating links with socio-economic players firmly rooted in the Lyon area. based on strong themes covering a number of projects and collaborations, in the fields of health, new materials and sustainable development, the University continues to demonstrate the interest of its research for society.*

## ..... Actions carried out in 2021 .....

### ..> *Philippe Douek, “Étoile de l’Europe” (CREATIS – CERMEP)*

A pioneer in the development of the spectral scanner for medical application, Philippe Douek won the Étoiles de l’Europe competition organised by the Ministry for Higher Education, Research and Education (MESRI). His works herald the next generation of X-ray scanners.

### ..> *Combining two different vaccines against Covid-19 provides better protection (CIRI)*

A study conducted by the International Centre for Infectiology Research (CIRI) showed that people who received a combination of the AstraZeneca/ Pfizer vaccines were twice as better protected against Covid-19 infection.

### ..> *Healing serious wounds using artificial skin (LBTI)*

This project led by the URGO group has received €22.8 million in funding from Bpifrance and is carried out with four public-private partners, including the Tissue Biology and Therapeutic Engineering Laboratory (LBTI).

### ..> *RAFAL: concrete armatures for the nuclear industry (LMC2)*

RAFAL is the first research project at Lyon 1 funded in the framework of the economic recovery plan and aims to develop innovative armatures for the nuclear industry that will be manufactured in France.

### ..> *Lyon 1 and INSA Lyon in partnership for a new data centre on the LyonTech-la Doua campus*

The LyonTech - la Doua Calculation and Data Center (CCDD) for the benefit of the site’s research bodies and higher education and research institutions is scheduled for implementation at the end of 2023. Lyon 1 has invested more than €6 million and INSA Lyon €700,000 for the first phase of work.

### ..> *The Perseverance rover delivered its first results on Mars (LGL-TPE)*

The rover confirmed the interest of its landing site, the Jezero crater. The crater did indeed contain a lake, fed by a river, 3.6 billion years ago.



Isabelle Daniel is one of the 10 most influential scientists in geology (LGL-TPE)



Corinne Dupont, first midwife to be appointed professor (RESHAPE)



### •> From lasers to luxury: Launch of the CRYSTALITE faculty

This faculty for the luxury sector brings together academics and enterprises in the field of crystals in France, including the Cristal Innov platform of Lyon 1, the Institute of Light and Matter (ILM) and the Laboratory of Multimaterials and Interfaces (LMI).

### •> HYBRIDAL: Combining wood and concrete for sustainable materials (LMC<sup>2</sup>)

This project combines wood and concrete using mixed technology for optimised prefabricated construction solutions with a low carbon footprint.

### •> Four researchers from Lyon 1 laboratories recognised by the Académie des Sciences

In 2021, among the fifty prizewinners of the Académie des Sciences were F. Santambrogio (Pr Lyon 1, ICJ), M. de la Salle (DR CNRS, ICJ), F.-L. Cosset (DR CNRS, CIRI) and F. Caupin (Pr Lyon 1, ILM).

### •> Call for projects on “University Hospital Research into Health”: two winners from Lyon

The 17 projects selected include those of Laurent Schaeffer and of Marco Vola, both university professors and hospital practitioners (Lyon 1 / HCL).

  
**€10.6M**  
ANR CREDITS  
RECORD AMOUNT

**59**   
MEMBERS OF  
THE INSTITUT  
DE FRANCE  
INCLUDING 5 NEW  
JUNIOR MEMBERS

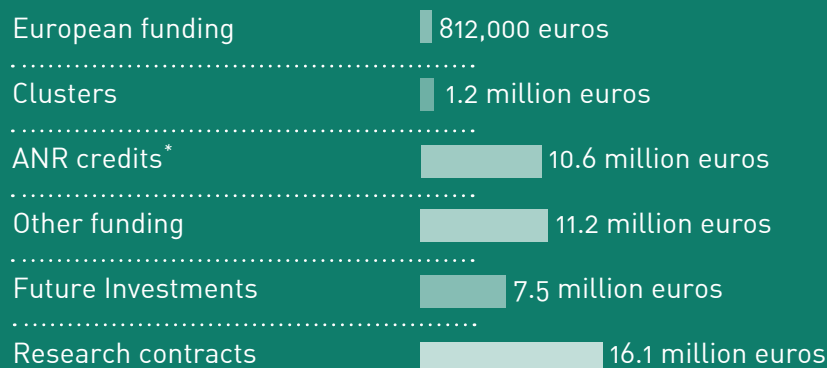
  
**1,601**  
PHD STUDENTS

  
**7**  
START-UPS  
CREATED IN 2021

  
**54**  
PATENTS  
FILED

  
**21**  
BOOSTER  
PROJECTS  
AND PACK AMBITION  
FUNDED BY AURA

# 2021 research funding



\*French National Research Agency

**OVERALL TOTAL** 47.6 million euros

## ..... For 2022 .....

Université Claude Bernard Lyon 1 will continue to strengthen its collaboration at local, national and international level with a multitude of players in research, industry and in the hospital sector. In particular, Lyon 1 aims to position itself in 2022 as a major research cluster in the field of health, particularly digital health and global health. The signing in January of a framework agreement with Hospices Civils de Lyon and Inria illustrates this commitment. Big health data,

which represent a source of innovation for personalised medicine and digital healthcare, will constitute a major aspect of this partnership. It is for this reason that Lyon 1 and INSA Lyon have joined in partnership to set up a new data centre on the LyonTech-la Doua campus. Its launch – scheduled for 2023 – should benefit the research bodies and higher education and research institutions of Lyon, as well as the university hospital.





# PARTNERSHIPS

*In 2021, Lyon 1 University continued to consolidate its actions with industry to develop its research and promote its courses. Lyon 1 contributes the expertise of its research units and technological platforms to natural industrial and institutional partners such as HCL, INRIA, EDF and FRAMATOME.*

## ..... Actions carried out in 2021 .....

### ..> **Innovation in digital health**

On 1 December 2021, Hospices Civils de Lyon, Inria and Lyon 1 University signed a framework agreement to create an artificial intelligence development cluster and a project team dedicated to medical modelling.

### ..> **Booster and Pack Ambition Research regional R&D projects**

The Auvergne-Rhône-Alpes Region supports collaborative R&D projects through the R&D Booster call for projects, as well as projects with high potential for socio-economic valorisation via the Pack Ambition Research call for projects. In total, 21 initiatives by Lyon 1 University have been selected: more than €4M in funding has been obtained by our laboratories.

### ..> **EDF call for tenders won by the IUT**

The Chemistry Department of IUT Lyon 1 won a call for tenders launched by EDF, commencing in 2022, concerning the organisation of qualifying training courses in analytical chemistry, entitled the EDF “Académie des Métiers” (Academy of Professions).

### ..> **Courses for careers in the nuclear sector**

Lyon 1 University and the Deconstruction and Waste Projects Department of EDF signed a partnership agreement in the framework of the Professional Bachelor Diploma in “Radioprotection, Decommissioning and Nuclear Waste”, and the Master in “Synthesis, Ageing and Characterisation of Materials for the Nuclear Industry and New Energies” (SYVIC). Lyon 1

and FRAMATOME renewed their partnership agreement for the Masters in SYVIC for a further 3 years.

### ..> **Labcom SaphirLab**

The creation of the LABCOM SaphirLab, led by Kheirreddine Lebbou, is the result of a collaboration between the ILM and the company RSA and will promote the development of high-performance sapphires in innovative colours for high-tech industries.

### ..> **Creation of a public – private laboratory for bio-printing (3DFab)**

The company Sartorius, Lyon 1, the CNRS, CPE Lyon and INSA Lyon have joined forces via the 3d.FAB platform to invent new concepts for bio-production by 3D printing.



€26.7M

IN PARTNERSHIP  
RESEARCH



€16.1M

IN CONTRACTUAL  
RESEARCH

623  
COLLABORATIVE  
PROJECTS  
FUNDED

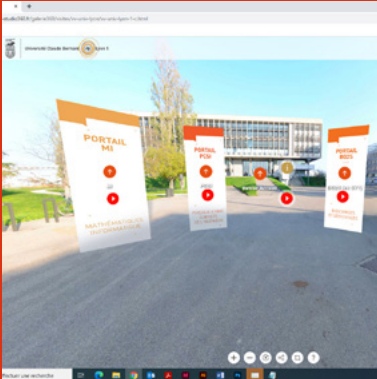


Signature of a renewal of the agreement between Lyon 1 and Framatome,  
on 1 July 2021

..... For 2022 .....

Lyon 1 is pursuing its goal of being : research and innovation. For : of these players, we need to propose  
a territorial university of excellence : 2022, an interfacing strategy will : a global and inclusive approach for  
and continues to assert its presence : be proposed, both internally and : economic partners and compile a  
in socio-economic spheres in order : externally, to reinforce and intensify : centralised knowledge base of all  
to reinforce its visibility as well : the link with local authorities and : the different types of relations the  
as the clarity and effectiveness of : socio-economic players. To develop : University cultivates with the socio-  
its actions in terms of education, : mutually beneficial relations with all : economic world.

# 2021 in pictures



> January: COVID 19 lockdown:  
creation of the virtual student fair



> May: signature of the EDF / Lyon 1  
agreement



> June: return to France of Tuna Altinel<sup>(1)</sup>



> July: Our students at the Tokyo Olympic Games!  
The University is proud of its athletes: Julia Chanourdie  
(climbing), Chloé Jacquet (rugby), Alexandre Lloveras  
(para cycling) and Claire Bové (rowing, shown here above)



> September: integration week for  
new students





> September: setting up of vaccine information points with Lyon 1 Health Relay students (ERS)



> September: launch of the Lyon 1 Crystalite faculty\*<sup>[1]</sup>



> September: installation ceremony of the WHO in Lyon



> October: conference with Serge Haroche, Nobel laureate, for the bicentenary of the birth of Ampère



> November: party to celebrate the 50th birthday of Lyon 1 at the Musée des Confluences, privatised for the occasion.

# SCIENTIFIC CULTURE

*The dissemination of scientific, technical and industrial culture contributes to the national and global reach of Claude Bernard Lyon 1 University. The University runs initiatives for an increasingly diverse wider public. It focuses in particular on sections of the population traditionally most distanced from scientific culture, in order to raise their awareness of scientific questions and the role of university researchers. 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.*

## ..... Actions carried out in 2021 .....

### ..> 200 years of Ampère

To celebrate 200 years since the discoveries of André-Marie Ampère, the father of modern electricity, the University welcomed the Nobel laureates in Physics Serge Haroche and Gérard Mourou for a conference open to the general public.

### ..> World of research and wet zones

In collaboration with researchers from the Ecology of Natural and Anthropized Hydrosystems Laboratory (LEHNA), four students in the first year of the Master in Integrative Biology and Physiology set up a photography exhibition: "The World of Research Through the Exploration of Wet Zones!".

### ..> AnimTaRecherche at the INMG

A mediation project aimed at healthcare students, inviting them to visit a research institute to discover various aspects of the job of researcher.

### ..> Children's science conference

Lyon 1, the CNRS and the town of Vaulx-en-Velin organised the fifth edition of the Children's Science Conference. Around one hundred children attended the Vaulx-en-Velin Planetarium to have a go at being scientists for the day.

### ..> The eleventh edition of the Science and Manga festival

For its eleventh edition, this festival, organised by the University Science Library, addressed a very relevant theme in today's world: "Everything is virtually possible!".



**65**  
EVENTS\*<sup>1</sup>



**125,520**  
PAGES VISITED ON  
**SCIENCE**  
**POUR TOUS**\*<sup>2</sup>

\*<sup>1</sup> exhibitions, conferences, workshops, etc.

\*<sup>2</sup> Science For All, knowledge transfer portal



*Nermin Salepci, a mathematician at the Institut Camille Jordan and a dancer and choreographer, presented her play Bahrani at the Théâtre Astrée*

..... For 2022 .....

Continuing the scientific, technical : partner in major events organised : construction of a Science Village at  
and industrial cultural activities : in Lyon such as Brain Week, : LyonTech-la Doua, in collaboration  
carried out this year, Université : National Heritage Days, the Science : the higher education and research  
Claude Bernard Lyon 1 aims to : Festival, etc. 2022 will also provide : establishments present on campus.  
continue in 2022 to build a dialogue : the opportunity to reinforce links : This event will bring the campus to  
around science with and for society. : with Villeurbanne, the national : life during the 2022 edition of the  
It will once again participate as a : capital of culture, by proposing the : Science Festival.

# INTERNATIONAL RELATIONS

*Lyon 1 remains very active in its international policy, despite the health crisis. It pursues its European goals through the Arqus alliance, renewal of the Erasmus+ charter and European projects, and continues to consolidate its relations with its Canadian and Chinese partners in the fields of health and science. Having obtained the “Bienvenue en France” label, the University pursued its work to welcome users and staff on its campuses by setting up a partnership with STUDAPART, offering an accommodation platform for students and staff, both national and international.*

## ..... Actions carried out in 2021 .....

### ..> Six double degrees with UQAC, Canada

In 2021, Lyon 1 renewed six double degree programmes with the University of Chicoutimi (UQAC) for one of the Master in Chemistry courses and in 5 fields of the POLYTECH LYON school in the framework of the 2020-2025 engineering programme.

### ..> Medical cooperation

Through close collaboration between Shanghai Jiao Tong University (UJTS), HCL, Lyon 1 and with the support of the Auvergne-Rhône-Alpes Region, two new FFI (serving as interns) from UJTS joined the university hospital in the digestive surgery and hepatic transplantation service at Croix-Rousse Hospital. In addition, the University of Ottawa, HCL and Lyon 1 renewed their intern

exchange agreement for a further 5 years.

### ..> Development of a new agreement with UTM, Mexico

A new agreement with Universidad Tecnológica Metropolitana (UTM) was signed in 2021, with the aim of offering mobility in the form of an internship or study trip for IUT students, particularly those studying Marketing Techniques or Business Management and Administration.

### ..> Erasmus+

Lyon 1 renewed its Erasmus+ charter for 2021-2027. In 2021, the Master in Vaccinology EMJMD LIVE welcomed its 6<sup>th</sup> intake, with an ever-increasing number of applications (+156 in 2021) and organised the VaxInLIVE 2021 Symposium as

well as the 2019, 2020 and 2021 Graduation Ceremony. 2021 saw the consolidation of ongoing projects, such as the “CHAISE” Sectoral Alliance project for skills, and the “MACHINA” and “HiHTC” strategic partnerships. The University also continued to take part in: 6 projects in partnership and 2 new cooperation partnerships.

### ..> Arqus European University alliance

From 4 to 7 October 2021, all the partner institutions came together for the annual conference in Vilnius. The alliance continued to pursue its various actions (creation of joint degrees, 2<sup>nd</sup> edition of the “climate change” Winter School, setting up of a podcast, debates, the Arqus café, mentoring, career week, etc.).



arQus  
European University Alliance  
**350,000**  
STUDENTS  
IN THE  
**ARQUS**  
EUROPEAN  
UNIVERSITY ALLIANCE

**13**   
ERASMUS+  
PROJECTS  
ONGOING



**701**  
APPLICATIONS FOR  
**MOBILITY**  
GRANTS  
PROCESSED\*<sup>1</sup>

\*<sup>1</sup> in 2021



Graduation ceremony for the classes of 2019-2020-2021 of the Master International LIVE\*<sup>(iii)</sup>

## For 2022

The members of the Arqus Alliance met at the annual conference to celebrate the 800th anniversary of the University of Padua. This year will also see the submission of the Arqus+ 2022-2026 project, in which the universities of Wrocław (Poland) and Minho (Portugal) will join the consortium. The Universities

courses in the framework of international partnerships, either as double degrees or delocalised, will be renewed in the framework of the new accreditation period. The development of arrangements in English-speaking areas, particularly with Canada and Asia (Malaysia, India and Taiwan) will continue.

New agreements will be set up with the United Kingdom to continue student exchanges following Brexit. Lastly, actions with a view to cooperation with target partners in Canada (Québec and Ontario), Asia (China, Japan and Vietnam) and Latin America (Argentina, Chile and Mexico) will be consolidated.

# BUILDINGS AND FACILITIES

*Lyon 1 University continues to pursue operations in renovating teaching and research premises in order to improve conditions for students and faculty members and optimise energy consumption and the environmental quality of its buildings and facilities. The University continuously seeks to optimise the organisation of its departments and their coordination with the private sector in order to best respond to technical management challenges, particularly in terms of energy and maintenance.*

## ..... Actions carried out in 2021 .....

### ..> **Infectology Centre Building (CIRI)**

Work to construct the CIRI building commenced on the Gerland site in the 1<sup>st</sup> quarter of 2021 for delivery in November 2022 and approximately €14.6 million in total expenditure.

### ..> **Campus Plan**

The last buildings renovated in the framework of the Campus Plan – Mendel, Grignard, Lwoff and Forel – were delivered by the COMUE.

### ..> **Economic recovery plan**

Work commenced in December 2021 on the 5 operations selected as part of the economic recovery plan.

### ..> **Renovations**

Renovation of the façade of the odontology building and accessibility works commenced in June 2021, for an approximate total cost of €2.4 million. Renovation of the large amphitheatres continued for a total cost of €4.2 million.

### ..> **Medical and Legal Institute (IML)**

Renovation work of the former IML was completed, with the renovation of the historical amphitheatre and the creation of classrooms, for a total amount of approximately €4.8 million.

### ..> **IUT Lyon 1**

Fire safety work and work to connect the building to the

district heating network was carried out on the IUT Gratteciel site. On the IUT Doua site, the Student Union was delivered by the COMUE.

### ..> **Technical management**

New projects were launched. A diagnosis on the question of laboratory buildings was undertaken, as well as preparation of the University for the consequences of the tertiary decree.

### ..> **Gymnastics space**

Construction of the gymnastics space continued in collaboration with the CROUS, in the new student halls at the Laënnec site. Work is scheduled for completion in September 2022 for a total cost of approximately €950,000.





**6,200**  
MAINTENANCE  
OPERATIONS



**€25,470M**  
ECONOMIC  
RECOVERY  
PLAN



**€37M**  
IN INVESTMENT



Lacassagne Amphitheatre, Faculty of Medicine Lyon Est.

## For 2022

Several real estate investment operations are planned: architectural competitions for a restaurant building for staff and for social activities (La Doua), as well as for the project to host scientific meetings at the Tamaris site (La Seyne sur Mer). Procurement at prime contractor level and the commencement of studies are planned for the Data Center (La Doua) and the thermal renovation of the IUT Gratte-Ciel site. 2022 should see the commencement of work on the student reception space under Quai 43. Fire safety and accessibility work will be carried out on all sites. Lyon 1 will embark on the 1<sup>st</sup> stages of the Tertiary Renovation Decree and the Buildings and Facilities Department will focus on modernising its actions, particularly in terms of the computerisation of the preventive maintenance of facilities. Lastly, the reflection process regarding better management of laboratory buildings is expected to reach completion.

# CAMPUS LIFE

*The University's priorities for its users are to offer a real quality of life on our campuses and broad access to culture and sport for all. In order to fulfil its role in the fields of social action, culture sport and student life, the University relies each year on 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.*

## ..... Actions carried out in 2021 .....

### STUDENT LIFE

#### ..> Student Participatory Budget (BPE)

The BPE is a new system set up for the first time by Lyon 1 in 2021. The aim? To give students a voice in order to improve the organisation and running of the campuses! With a budget of €350,000 this system looks promising and has already proved effective, with more than 40 projects submitted!

#### ..> All Connected

Lyon 1 has been working to reduce the digital divide, at key issue during the health crisis. The "All Connected" scheme was therefore launched in 2021 with the purchase of 2,000 laptop PCs portables now available to all students on loan.

#### ..> Integration Week

As with every year since 2018, Lyon 1 was able to welcome new students with a lively integration week. For the first time, the escape game designed to help students discover the campus was extended to two additional campuses. Despite the health crisis, most events planned were held and were enjoyed by all.

#### ..> Disability Mission

In 2021, 889 disabled students benefited from specific examination and/or study arrangements. In terms of welcoming disabled students, a capsule video presenting the Disability Mission was created as part of integration week. The Disability Mission also presented its work to new students upon their arrival in September, in a number of amphitheatres.


### SOCIAL

#### ..> Recreation centre (CLE)

The CLE provides daycare for children of Lyon 1 staff aged 3 to 12 every Wednesday and during the school holidays. In 2021, 1,135 children were looked after on Wednesdays from January to December and almost 1,500 children were taken in during the school holidays. For children aged 3 months to 3 years, 11 kindergarten places are reserved for Lyon 1 University and 20 children are enrolled, representing an annual volume of more than 42,500 hours in 2021.



**1,000**  
**CHILDREN**  
**AND PARENTS AT**  
**THE CHRISTMAS**  
**PARTY**



**40**  
**STUDENT**  
**PARTICIPATORY**  
**BUDGET**  
**PROJECTS**



**584**  
**PEOPLE**  
**ATTENDED THE**  
**DELEUZE /**  
**HENDRIX**  
**SHOW\***

\* launch of Chaos Danse

### ..> *University Social Action Initiative (ASIU)*

A €70 “birth” voucher was granted to all Lyon 1 staff giving birth or adopting one or more children over the course of the year. The 2021 budget for this action was €7,000.

## SPORT

### ..> *“Health Monitoring” in spring 2021*

From February to May 2021, when health restrictions were particularly stringent, the SUAPS provided all students of the University who wanted it with face-to-face physical and sporting activities under the title “health monitoring”. Each student could take part in 2 classes per week.

### ..> *Reopening of autonomous activities*

After an 18-month suspension of autonomous activities, SUAPS reopened slots for several activities in September 2021 to enable students to access the sports facilities and practice at will, under the responsibility of a student manager recruited by the SUAPS. 30 slots were opened in autumn 2021.

### ..> *Reopening of open-air activities*

After the periods of restrictions due to the health crisis, the SUAPS focused on reopening open-air activities in the best possible conditions with regard to organisation and supervision. As of October, therefore, a diving course and group hike were organised. The SUAPS was then able to restart the skiing activity.

## CULTURE

### ..> *Chaos Danse festival*

The Culture mission developed the Chaos Danse festival, to take place on an annual basis in association with INSA Lyon.

### ..> *Tremplin Arty*

Culture at Lyon 1 was also marked in 2021 by the installation of the 1<sup>st</sup> edition of the Tremplin Arty exhibition, followed by the launch of the 2<sup>nd</sup> edition of the competition, with ENSBA and MAC Lyon.

# Campus Life



*Lyon 1 Student Integration Week,  
September 2021*



*Diving course in the Mediterranean  
for students as part of the sport  
transversal<sup>[iv]</sup>*





*Christmas party for the children of staff, on 16 December 2021 at Cité Internationale de Lyon* <sup>\*(v)</sup>

*The show  
Deleuze-Hendrix,  
Preljocaj ballet*



## ..... For 2022 .....

*In terms of supporting students and with the return of in-class teaching, the number of students with disabilities who are supported is expected to rise, at a rate of approx. 20% per year. Optional classes in French Sign Language will be set up for midwifery students at the Bourg-en-Bresse site (collaboration with UDL). Seven additional (free) menstrual product distributors respecting standards for people with impaired mobility will be installed on our campuses.*

*In terms of sporting activities, the SUAPS hopes to be able to offer in 2022, with the support of the Student Life and Campus Contribution (CVEC), a maximum*

*number of sporting events that have not been able to take place for 2 years. Defending Lyon 1's title in the national Sports Association challenge by remotivating our student competitors is also a real goal.*

*In terms of Culture, 2022 will see the creation of an artists' residency at the University, in collaboration with the Laboratory of Biometrics and Evolutive Biology (LBBE), as well as full involvement by the Culture Mission and the Théâtre Astrée in the year of Villeurbanne, French capital of culture.*

# LIBRARY RESOURCES

*The Lyon 1 university libraries, ISO 9001 certified without interruption since 2015, 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 student online documentation, support researchers, diversify its services and propose innovative cultural events.*

## ..... Actions carried out in 2021 .....

### ..> *An IT support service*

Since September, three university libraries have provided very popular drop-in centres to assist students with their personal computer hardware or with the Lyon 1 environment: software installation, WiFi connection, printing, etc.

### ..> *Major survey of university libraries*

The 2021 survey showed improved levels of student satisfaction. Several actions have been launched to better meet their expectations, ensure they are aware of the online documentation available and provide information about the reservation system in place.

### ..> *Launch of the APC website*

In order to better help researchers open up access to their publications, the university libraries launched a one-of-a-kind information website on Open Science and the Article Processing Charges (APC) negotiated with publishers.

### ..> *Science Festival*

The Science Festival returned to the university libraries, on the theme of biodiversity. An innovatively staged exhibition, a digital pathway and various conferences and discussions attracted a large public, happy to discover the wealth of the University's collections.

### ..> *Opening of the university libraries at Christmas*

Despite a difficult health context, the Rockefeller Health Library and Doua Science Library managed to open at Christmas, enabling students to come and revise for their exams in January, carry out group work and borrow documents.

### ..> *20 years of the Aspasia Fund*

The university libraries celebrated 20 years of the fund on the history of women and the question of gender in education, with a conference on gender equality in schools, which traced the history of the creation of the fund before addressing the question of how to teach equality.





1,260,320  
ENTRIES



2,986,259  
CONSULTATIONS OF  
**DIGITAL  
RESOURCES**



7,600  
**STUDENTS  
TRAINED  
IN DOCUMENTARY  
RESEARCH**



*The “Espèces de climat” exhibition at the Science Library, class visit during the Science Festival.*

## ..... For 2022 .....

As the operators of Open Science for the University, the Lyon 1 university libraries will reinforce their actions for researchers in 2022: after having consulted them on their needs through a survey, the Research Services Department proposes literature review workshops, awareness-raising about open access publication, access to electronic laboratory notebooks and help with

drafting data management plans. The university libraries also plan to deposit the unabridged text of publications by Lyon 1 faculty members in HAL, to promote open science.

The theme of sustainable development is another key concern of the communities and will permeate all university library activities: internally, through its role in the

global functioning of the Joint Library Resources Department (SCD), in order to limit the environmental impact of the libraries' activities, and towards users by encouraging them to adopt eco-friendly behaviour. The aim is to set an example by highlighting and promoting the university libraries' actions in this field.

# HUMAN RESOURCES

*With a staff of almost 5,000 agents, the University's HR policy faces many challenges and needs to be responsive and agile. The activities of the HR Department can be structured into three main roles: day-to-day administrative management and the implementation of national reforms, supporting staff and departments and managing organisational projects.*

## ..... Actions carried out in 2021 .....

### ..> Supporting staff

Supporting staff remains a priority for the HR Department: 163 agents were supported by career mobility advisors and the disability officer, 14 workers with disabilities benefited from adapted workstations and 112 agents were supported by the occupational psychologist.

### ..> Recruitment of apprentices

In 2021, the University launched its first campaign to recruit apprentices. 11 apprentices were recruited in the central services and faculties, compared to 7 in 2020. 5 apprentices are studying for professional bachelor diplomas and 2 are on masters courses.

### ..> Working from home

The application of new methods of working from home provided for in the charter adopted at the end of 2020 (floating days, compatibility with the 4.5 day working week, etc.) brought the number of institutional staff working from home at the end of the campaign conducted in the final quarter of 2021 up to 450.

### ..> Promotion of BIATSS staff

In the framework of implementing the French Public Sector Transformation Act, the University adopted its management guidelines in terms of the promotion of technicians, engineers and administrative staff (BIATSS).

### ..> New salary measures

The payroll department implemented new salary measures: end-of-contract indemnity, sustainable mobility allowance, increase in the minimum wage, increase in the PRES research bonus, inflation assistance and fixed reimbursement of complementary social protection.

### ..> Tools for directors and heads of department

New tools were proposed to inform and support directors and heads of department: quarterly themed HR meetings, creation of a collaborative space, preparation of occupation, workforce and skills mapping, availability of BO requests in SIHAM, etc.



**1,745**

**BIATSS AGENTS**

1,256 TENURED STAFF

489 CONTRACTUAL STAFF\*



**2,833**

**TEACHERS AND  
FACULTY MEMBERS**

1,769 TENURED STAFF

1,064 CONTRACTUAL STAFF\*



**251**

**TRAINING  
SESSIONS**

> 78 THROUGH

DISTANCE LEARNING

> 6 IN MIXED MODE

**1261 AGENTS**

**TRAINED**

\*as of 31/12/2021



Office of the Staff Professional Support Mission (MAPP)

## For 2022

The HR Department's activity in 2022 will focus on priority areas of work and structuring projects. Implementation of the HR measures set out in the Research Planning Act (LPR) constitutes one of the main priorities, particularly regarding the restructuring of the hierarchy of faculty members, the first recruitments to the junior professor chairs (CPJ) and the implementation of the new system of allowances for faculty members (RIPEC). The

HR Department will also be closely involved in the implementation of the new single status for university hospital staff, the texts for which were published in December 2021. In terms of organisation, the HR Department has signed up with the AMUE (shared-services agency for universities and other higher education and research institutions) for the next wave of deployment of the payroll pre-processing module of the SIHAM software

package. Preparatory work will be carried out in 2022, with a view to a definitive shift to the new software in 2023. This deployment will support the reorganisation of the HR Department on the basis of integrated management. Lastly, spring 2022 will see the new tool for tracking BIATSS staff working hours and leave go live, developed by the Information Systems Department in cooperation with the HR Department.

# FINANCIAL RESOURCES

*Like the previous year, the 2021 budget of Université Claude Bernard Lyon 1 was designed as a crisis and support budget. Based on the notions of multi-year programming and management dialogue, the 2021 budget implementation returned to pre-crisis level and consolidated its financial health.*

## ..... Actions carried out in 2021 .....

### **..> Management dialogue mechanism**

The management dialogue mechanism remained key to building and implementing the budget. Two waves of budget conferences enabled the governing body to meet each faculty and joint facility director to discuss the translation of University policy within the faculties and inclusion of the projects pursued by each structure.

### **..> Performance mechanism**

In a context in which the five-year contract between the University and the ministry has not yet been finalised, Lyon 1 redesigned its performance mechanism by setting out a new annual performance plan (PAP), which provided a reference framework for the 2021 budgetary conferences.

### **..> Multi-year programming**

Multi-year programming has been a major preoccupation for Lyon 1 departments, with more than €330 million in multi-year operations in progress and a dedicated comitology that has helped to improve budget implementation. The purchasing schedule took on a new dimension through its co-constructive approach and multi-year logic.

### **..> Purchasing policy**

Lyon 1 rolled out a new purchasing policy in 2021 for the period 2021-2025. Based on strategic priorities set by the State and priorities resulting from the University's policy, it reflects the political goals of Lyon 1. In June 2021, a themed seminar on purchasing innovation involving the University and innovative enterprises in the Region

was organised in cooperation with the State Procurement Department.

### **..> Drive for own resources**

The drive for its own resources characterised the 2021 budget implementation, with an increase of more than €22 million compared to 2020. A Project Engineering Centre (CIP) was set up within the Financial Service Department to continue and expand this drive.

### **..> Cost calculation and analytical accounting mechanism**

This mechanism contributed to the success of a number of projects, such as calculation of the costs of apprenticeships for France Compétences and the Tamaris real estate operation.



ACCOUNTING  
INCOME:  
**14.7**  
MILLION  
EUROS



**€28.6M**  
OPERATIONAL  
CASHFLOW



WORKING  
CAPITAL  
**€90.8M**

\*as of 31/12/2021



Office of the Business Travel Team (PVA), Financial Department

..... For 2022 .....

In 2022, the financial departments of Université Claude Bernard Lyon 1 will continue and expand their work to simplify the financial chain. The work on analytical accounting, training and research will be published and widely circulated. The steering mechanism will feed into the preparation for the 2022-2026 five-year contract. Lastly, 2022 will be the year of environmentally-friendly purchasing, with the roll-out of the scheme to promote socially and ecologically responsible purchasing.

# CLAUDE BERNARD LYON 1 UNIVERSITY ORGANISATIONAL CHART

**President: Frédéric FLEURY**

**Assistant: Isabelle DONNAT**

**Head of Services: Pierre ROLLAND**

**Deputy Services Directors:**

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**Oiasfi**  
**Chaabnia**

**Health Sector**  
**Fabienne**  
**DUREUIL**

**Human Resources**  
**Frédérique**  
**Wolff**

**Security and Defence Official: Stéphane THEFO**

**Prevention advisor: Delphine Bourgois**

**Accountant: Jean-François KAPPS**

**Communication Director: Béatrice Dias**

## Departments

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Biosciences Training and Research Unit (UFR)

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Faculty of Sciences Training and Research Unit (UFR)

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Electrical Engineering and Processes Department (GEP)

**Rosaria Ferrigno\***

IT Department

**Behzad Shariat\***

Mechanics Department

**Marc Buffat\***

Sports Sciences Research and Training Unit (STAPS)

**Guillaume Bodet**

University Institute of Technology (IUT) Lyon 1

**Christophe Viton**

Polytech Lyon

**Emmanuel Perrin**

Observatory of Lyon

**Isabelle Daniel**

Institute of Financial Science and Insurance (ISFA)

**Nicolas Leboisne**

Higher National Institute of Teaching and Education (INSPé)

**Pierre Chareyron**

### Healthcare

Faculty of Medicine

Lyon Est

**Gilles Rode**

Medical Studies Coordination Committee

Faculty of Medicine and Midwifery Lyon Sud - Charles Mérieux

**Carole Burillon**

Faculty of Odontology

**Jean-Christophe Maurin**

Institute of Rehabilitation Sciences and Techniques (ISTR)

**Xavier Perrot\***

Institute of Pharmaceutical and Biological Sciences (ISPB)

**Claude Dussart**

## Joint facilities

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**Isabelle Rogowski**

Continuing Education Department (FOCAL)

**Karine LEPETIT**

Joint Language Instruction Office (SCEL)

**Angéline Durand-Vallot**

Student Guidance and Professional Integration Department (SOIE)

Joint Library Resources Department (SCD)

**Isabelle Eleuche**

Open University

**Nathalie Moncoffre\***

Committee for Staff Leisure and University Social Action (CLASUP)

**Marc BARBAIRE**

University Office of Physical Fitness and Sports (SUAPS)

**François Corbi**

University Health Service (SSU)

**Amélie Henry**

Staff Occupational Health Office (SMSTP)

**Medicine coordinator**

**Barbara Charbotel**

## Central services

Human Resources Department (DHR)

**Frédérique Wolff**

Financial Services Department (DSF)

**Oiasfi Chaabnia**

Information Systems Department (DSI)

**Gilles Rech**

Studies and University Life Department Management (DEVU)

**Anne-Christine Henk**

Research and PhD Studies Department (DRED)

**Marina ROQUES-RAIMONDI**

Legal and Institutional Affairs Department (DAJI)

**Sophie Lahy**

Buildings and Facilities Department (DIRPAT)

**David Tine**

International Relations Department (DRI)

**Catherine Guillaumon**

Safety Department

**Stéphane THEFO**

Risk Prevention Department

**Delphine BOURGOIS**

\* temporary administrator

## interuniversity services

Inter-site Network Services Centre

**Philippe MALBOS**

Domaine de la Doua interuniversity Services

**Lois GUILLOT**

Physical and Sports Activities interuniversity Services

**Alexis CHVETZOFF**

## subsidiaries

EZUS

**Lionel Poncin**  
**De La Tournerie**

LIP

**Javier**  
**Olaiz**

# Claude Bernard Lyon 1 University governance team

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**Hamda Ben Hadid** - *President of the Academic Board*

**Pierre Rolland**

*Head of Services*

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of the Board of Directors*

*Student Vice President  
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*Vice President  
Technicians, engineers  
and administrative staff  
(BIATSS)*

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*Vice President  
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**Ruben Vera**

*Vice President Platforms  
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+

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