

**Faster
and further
in the battle
against cancer**

The Centre Léon Bérard



A non-profit private healthcare facility (Établissement de soins privé d'intérêt collectif,

ESPIC), the Centre Léon Bérard is affiliated to the National Federation of Centers for the Fight Against Cancer (CLCC) – the Unicancer network – which comprises 18 centers in France. The Centre Léon Bérard is dedicated 100% to cancer care and research and it combines, on one site in the heart of Lyon, a hospital for patient care and a center for research on cancer.

Its mission is threefold: care, research and teaching.



> Its Executive Director,

Prof. Jean-Yves Blay, is a doctor, researcher and academic. Former president of EORTC (European Organization for Research and Treatment of Cancer – 2009 to 2012), he is now coordinator of the INCa-certified

network of expert centers for soft tissue and visceral sarcomas (Netsarc) and of the European Reference Network for Adult Rare Solid Cancers, ERN-EURACAN. He is the director of LYriCAN, an integrated site for cancer research in Lyon. Since July 2017, he has also been the scientific coordinator for AURAGEN, one of the first two very high-speed human genome sequencing platforms in France.

Since 2019, Prof. Jean-Yves Blay has been President and Sophie Beaupère Managing Director of Unicancer, the network of Centers for the Fight Against Cancer (CLCCs).



> President of the Executive Board :

Mr. Pascal Mailhos, Prefect of the Auvergne-Rhône-Alpes region, Prefect of the Rhône department.

Research

ALL FORMS OF EXPERTISE REGROUPED
TO ACCELERATE PROGRESS

The main objective of the Centre Léon Bérard is to develop excellent, multidisciplinary research in collaboration with the CLB's healthcare activity, together with institutional and private partners.

More than 500 researchers work on the same site alongside medical specialists from the hospital. This diversity is the result of a strategy developed over more than 30 years, which benefits the care-research continuum.

To facilitate innovation and make both diagnostic and therapeutic developments available more quickly to patients, CLB research is organized around three units;

> fundamental research with the Cancer Research Center of Lyon (CRCL)



- > translational research,
- > clinical research.

The biological sample management platform (plateforme de gestion des échantillons biologiques, PGEB) of the Centre Léon Bérard has had NFS 96 900 certification since November 2009. Since the start of 2012, it has housed the biological collections of the Unicancer group.

Clinical research has been certified ISO 9001 since 2013 and is thus one of the strengths of the CLB. It is a research center accredited by the French National Cancer Institute to carry out early phase clinical trials in adults since 2012 and in children since 2015. These certifications were renewed in 2018.

KEY FIGURES

257
CRCL scientific publications

15,000 M²
dedicated to research

6
translational research platforms: sequencing, immunotherapy, bio-informatics, pathobiology, center of biological resources and modeling of medicines

41
clinical trials designed by the CLB

22.9%
of patients enrolled in a clinical trial

2
European projects funded

7
patents filed
Figures for 2020

The hospital

INNOVATIVE CARE FOR ALL

The Centre Léon Bérard is a hospital that is dedicated 100% to cancer care and research. Its aspiration is to offer excellent care and to be a referral center for people with cancer.

Diagnostics:

imaging platform (radiology and interventional radiology), center for nuclear medicine, diagnostic endoscopy and pathobiology service offering all anatomo-cyto-pathology and molecular biology techniques.

Treatments:

surgery, chemotherapy, immunotherapy, hormone therapy, targeted therapies, radiotherapy, radiology, and interventional endoscopy.

Therapeutic and diagnostic innovation:

22.9% of patients cared for at the Centre Léon Bérard were enrolled in a clinical trial in 2020.

The Centre Léon Bérard also provides supportive care services

– forms of care and activities that complement the cancer treatments and include services relating to psychology, pain, diet, physiotherapy, social services, adapted physical activity, socio-esthetics, sophrology and art therapy, among others.

A care pathway optimized:

for each pathology (e.g. lung, breast, ENT) and adapted to the patient's age (e.g. children, young adults, the over-70s).

Its territory:

Rhône-Alpes region, but also the rest of France (mainland and overseas) and other countries.

It offers all types of hospitalization:

continuous (conventional inpatient care), outpatient, and home hospitalization.

Accredited at level A by the National Health Authority.

FIGURES

1 operating unit of the latest generation, with 11 rooms

8 accelerators (radiotherapy), the only Cyberknife® in the Rhône-Alpes region

1st oncogenetic consultation in France (in 1988)

Care

REFERENCE AND REFERRAL CENTER

Specialized in complex cases and rare tumors, the Centre Léon Bérard has 16 completely renovated hospitalization units and a high-tech platform.

Center of reference, expertise and referral for:

- > Breast cancers
- > Sarcomas and rare tumors
- > Rare gynecological tumors
- > Complex tumors of the digestive system
- > Thoracic tumors
- > Hematology
- > ENT tumors
- > Germ cell tumors
- > Metastatic kidney cancers
- > Melanomas and skin tumors
- > Non-surgical treatments of prostate cancers
- > Solid tumors in children
- > Pediatric radiotherapy
- > Complex techniques in radiotherapy

High-tech equipment unique in the Rhône-Alpes region:

- > The Cyberknife® VSI System (unique in Rhône-Alpes)
- > The miniaturized accelerator Intrabeam® for fast treatment of breast cancers

KEY FIGURES

86,385
chemotherapy
interventions in 2020

35,943
patients cared
for in 2020

- > Two tomotherapy devices
- > Proton therapy and SynchroCycloproton: cooperation between Lyon and Nice to serve our patients
- > Two digital PET scanners and three gamma cameras, one of which is a Veriton-CT
- > An angiography room equipped with Zeego Artis Q (interventional radiology)
- > A state-of-the-art integrated operating unit
- > Units dedicated to interventional procedures (radiology and endoscopy), central venous line insertions and brachytherapy

Partnerships to serve the population

The CLB forms partnerships to ensure that it can achieve its mission to serve the population:

- > As part of cooperative healthcare or economic consortia with the University Medical Center of Lyon (Hospices Civils de Lyon); the Hôpital Nord-Ouest (North-East Hospital); the Protestant Infirmary, etc.
- > As part of partnerships with the public hospitals of French Guiana, the Saint-Joseph-Saint-Luc Hospital Center and many local hospitals in Rhône-Alpes.

Teaching

TRANSFERRING EXCELLENCE IN CANCER CARE AND RESEARCH

Teaching and training are currently a strength of the Centre Léon Bérard.

In-house: a range of courses with more than 1,000 individuals trained each year in order to maintain competences and expertise in cancer care and research.

External: the Center plays a part in the initial training of future oncologists, researchers and paramedics by welcoming in particular PhD students and external and internal medical students.

The staff of the Center – academics, practitioners, and care staff – participate in university and higher education, but also in other training courses related to the Center's various specialties.

Introductory and/or advanced training in cancer care and research

The Center has its own training institute which offers more than 20 training courses each year for external health professionals: doctors, nurses, pharmacists and physiotherapists, among others.

Due to the healthcare crisis, 117 people were trained in 2020. The training courses were organized online.

Examples of training courses:

- > for doctors: 'Management of ovarian cancers'; 'Antitumor immunotherapies: immunomonitoring and escape, clinical concepts and applications'; and 'Management of sarcomas'.
- > for nurses: 'Monitoring patients treated with oral anticancer drugs, medical-nursing cooperation'; 'Inserting venous access lines – PICC-PAC'; and 'Handling cytotoxic agents (introduction)'.

In 2020, the Training Institute was inspected for the purpose of the national certification for the quality of training bodies, Qualiopi, which it obtained on November 25, 2020.

KEY FIGURES

Nearly **117**
external healthcare
professionals trained

14 training courses
within the Training Institute

> **100** CLB professionals
transfer their knowledge

Figures for 2020

Donations and bequests

A CATALYST FOR INNOVATION
ON BEHALF OF PATIENTS

The donations and bequests received by the Centre Léon Bérard are essential resources for supporting the research and innovation programs.

In particular, the donations and bequests enable the Center to fund researchers' jobs and laboratory equipment (procurement of high-tech equipment, etc.), but also to construct and fit out the research buildings.

Outside research, some donations help to improve the quality of life of patients, both children and adults, through the funding of art workshops, local apartments for patients who do

not live in the area, pain relief, and the services of a socio-esthetician and two social hairdressers for patients, among other things.

This is achieved through fundraising campaigns, philanthropy, donations from partner associations, and the organization of events such as the 'Put on Your Sneakers' ('À vos baskets') challenge and the first edition, in November 2020, of a new race: 'La Scintillante'.

In 2020, a special COVID and Cancer appeal for donations was launched and it raised more than €110,000.

KEY FIGURES

€8.95M
raised through public
generosity (donations
and bequests combined)

40,000
individual
donors

€460,000
donated
by associations

€270,000
in corporate philanthropy
provided by around
50 companies

€32,000
provided by
200 municipalities dedicated
to supporting us

Figures for 2020

Institution authorized to receive donations and bequests

28 rue Laennec - 69373 Lyon cedex 08, France - Tel. : +33 (0)4 78 78 28 28
www.centreleonberard.fr

Follow the CLB through social media:



Key elements of the CLB in 2020

THE MEN AND WOMEN OF THE CLB

1,978
employees as
at December 31,
2020

35
professions

260
doctors

> 800
care staff

500
researchers

> €260M
total budget

THE HOSPITAL

35,943
patients cared for
10,258 new patients

80,211 consultations

12,437 video
consultations

11,092 conventional
hospital stays

31,536 day hospital
stays (medical oncology)

4,782 outpatient
surgery stays

7,512 home
hospitalization stays

214 home hospitalization
places

2,163 home-based
care stays

323 beds and outpatient
places in surgery and
medical oncology

RESEARCH

2,481 patients
enrolled in a clinical trial
(all types of trial),

or **22.9%** of the
Information System
Medicalization Program
(PMSI) active list

247 clinical trials
open to patients,
of which **41** designed
and implemented by
the CLB

424 patients
enrolled in early phase
(I – II) clinical trials

107 phase I and II
clinical trials

421 scientific
publications

TEACHING

21,768 hours of
training for employees

1,066 CLB
employees trained

72 instructors for
the Training Institute

14 training
courses offered
by the Institute