

LIGHT UP YOUR HEART

Fundraising campaign 2020-2024

ANNUAL REVIEW
2023





Your generosity

FAST-TRACKS INNOVATION

FOR PATIENT CARE

The Liryx University Hospital Institute is at the forefront of research into heart rhythm diseases, an area of vital importance to overall health. Recognized as an international leader, Liryx is dedicated to discovering innovative methods to better understand, treat and prevent these disorders.



The year 2023 was marked by an unprecedented outpouring of generosity from our donors, both old and new. Their support has been essential to launch ambitious scientific programs, aimed at bringing innovations directly to the service of patients. This annual review reflects this generosity, highlighting the promising projects carried out by a team of passionate doctors and researchers, determined to find new ways of healing.

Research undertaken by Liryx has already provided a better understanding of the mechanisms of heart rhythm diseases, but there is still a long way to go.

In 2024, Liryx will continue to develop bold projects, essential for improving patient care. The era of digital health is advancing, paving the way for more effective preventive, personalized medicine and improved patient monitoring. Furthermore, a new program aiming to support patients and their loved ones throughout their treatment will be launched. This program will emphasize proximity, awareness and prevention.

Finally, thank you for being alongside the Liryx teams; your contribution is essential. The successes celebrated, the hopes nourished and the advances made for patients are all made possible, thanks to you!

Frédéric DUPONCHEL

President of the "Light Up Your Heart" campaign committee
Co-Founder of Accuracy



Highlights 2023



January
Dr. Méléze Hocini speaks at a conference on the theme of ambition for employees of the **donor company PNY Technologies**.

May
 Specialists in electrophysiology and cardiac stimulation from Liryx and the Bordeaux University Hospital Center reach the top places in the ranking by **Le Point** magazine.



July
 Experts from around the world participated in three days of discussions focusing on cardiology, imaging, sport, and the heart during the **second session of the Imaging Workshop** held by Liryx.



March
Dr. Richard Walton is appointed as Scientific Director of Liryx Institute.

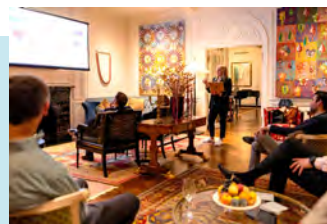
April
Announcement of the renewal of a major, multi-year donation from the **ANCRE** association.



June
 Liryx trained a total of **400 students and professionals** in 2023, primarily through the Summer School.

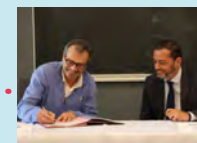


September
The third edition of the Liryx institute's Open Days featured a conference by Prof. Martine Gilard.



October
Philanthropic event in Boston, Massachusetts, with the aim of expanding the American group "Friends Of Liryx".

October
Announcement of the renewal of major, multi-year support by Biosense Webster.



December
 The French National Research Agency funded the University-Hospital **Research RHU TALENT**, which seeks to revolutionize the prediction of cardio-embolic strokes using artificial intelligence.

Funding of the MEDITWIN project (digital twins), of which Liryx is a partner, and which aims to develop the virtual heart.



November
Charity rugby match pitting the teams from Liryx against those from **Cap Ingelec and Ceva Santé Animale** during Giving Tuesday, the Tuesday after Thanksgiving, a day of generosity.

November
The #LIRYConnect days provided an opportunity to discuss the future of medicine and to officially launch both the cardiac bio-engineering platform and the new-generation photon-counting computed tomography scanner.



December
Awareness event in partnership with the **Alliance Française and the French American Chamber of Commerce**, in Chicago, Illinois.

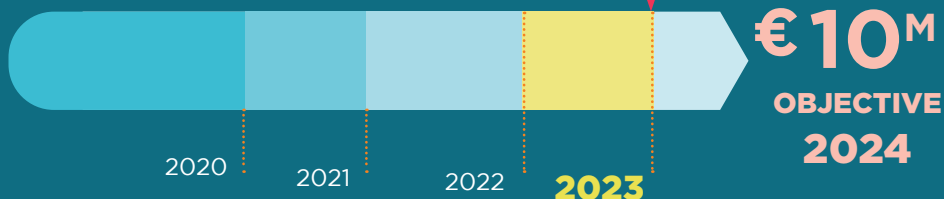




Campaign FINANCIAL REVIEW

RESULTS OF THE CAMPAIGN TO DATE

€8.34^M raised, thanks to the commitments of our fundraisers and donors



FOCUS ON 2023

€2.48^M
COLLECTED
TO ADVANCE

-  RESEARCH
-  PATIENT CARE
-  INNOVATION
-  TRAINING

Origin of donations:  76%  24%

The Campaign COMMITTEE

A group of major donors, economic leaders and corporate supporters who combine their energies to support Liryx in its fundraising.



Françoise Jeanson,
Vice-President of the Nouvelle Aquitaine Regional Council



Mark et Laura Bailey,
CEO of B5 Capital, Major American donors



Bernard Magrez,
Owner of large international vineyards



Frédéric Duponchel,
Co-Founder of Accuracy, President of the "Light Up Your Heart" campaign committee



Michel Vounatsos,
Former President of the Campaign Committee



Marc Prikazsky,
CEO of Ceva Santé Animale



Brigitte Speckmaier,
Senior Director EMEA, Boston Scientific

“

I am proud and honored to join the Campaign Committee in order to bring my skills and network to the service of this cause that is close to my heart.



Jean-Paul Calès,
Founder of Cap Ingelec



FOCUS ON PROJECTS

REALIZED THANKS TO YOUR GENEROSITY

RESEARCH & INNOVATION PROJECT

Pediatric catheter



Every year in France, around 400 babies are born with a heart defect called transposition of the great vessels in which the main arteries of the heart are inverted, causing the baby to not receive enough oxygen in their blood to fuel their body. This condition is life-threatening immediately from birth, often requiring instantaneous surgery, sometimes even in the delivery room. The tools that currently exist for such a procedure are not suitable, which complicates the operation. The Liryx University Hospital Institute responded to this specific need by developing a dedicated pediatric catheter. This innovative device is designed to adapt to the anatomical particularities of babies, thereby facilitating emergency procedures and significantly reducing the associated risks. The development of this pediatric catheter represents major progress.



IMPACT:

- **Enables safer and more effective care of affected babies.**
- **Expands the surgical capabilities of health professionals in the event of an emergency.**

INNOVATION AND PATIENT CARE PROJECT

The photon-counting computed tomography scanner



IMPACT:

- *Ease in accurately visualizing problems causing critical conditions, such as atrial fibrillation and sudden cardiac arrest.*
- *Significantly improved diagnostics and treatment strategies. Doctors can detect the slightest irregularities in the heart structure, with unprecedented clarity.*

The field of cardiac imaging is poised for a revolution with the introduction of a state-of-the-art photon-counting computed tomography scanner on the Liryx platform. This new equipment represents a major advancement in image resolution capacity, far surpassing current technologies, with spatial precision that has never been achieved before.

This innovative scanner will allow extremely detailed analysis of heart tissue, paving the way for significant progress in both research and diagnosis of heart disease.

This technological development offers a unique window into the structural anomalies of the heart.



TRAINING PROJECT

Education through simulation

Liryc is committed to an approach to excellence in healthcare, offering young doctors and scientists an advanced training program in an innovative environment. This unique course incorporates practice on high-tech simulators, enabling learners to familiarize themselves with complex cardiological techniques.

The experience acquired through these simulators enriches the training of future healthcare professionals, enabling them to master advanced medical procedures, including the effective management of various situations in a medical environment.

With five cutting-edge training simulators available, Liryc is proud to contribute to the training of competent healthcare professionals, ready to face the challenges of tomorrow with confidence and expertise.



IMPACT:

- *Delivering hands-on, immersive learning, effectively preparing the next generation of medical professionals.*

RESEARCH & PATIENT CARE PROJECT

“Mandarine”*



IMPACT:

- *Enables adaptation and innovation in therapies offered to women.*

Atrial fibrillation presents unique characteristics and challenges in women, making it more complex to treat compared with men. Women tend to have more severe symptoms and experience greater impairment in their quality of life, as well as a higher risk of certain complications, including strokes.

Faced with this situation, the Liryc teams tackled the problem. They are now carrying out an exploratory study to determine what role the fluctuation of sexual hormones, during pregnancy and menopause, plays in the development of atrial fibrillation.

Through a better understanding of arrhythmia triggers, new hopes are emerging, particularly for more effective treatment solutions.

* *Multiscale Approach to better uNderstanD AtRial fibrillation in womEn*



Success Story

WITH SUNNY BATES

AMERICAN DONOR OF THE LIRYC INSTITUTE



How did you discover the Liryc institute?

My medical journey has been long and winding. I had atrial fibrillation for over 15 years, which gradually got worse with age. After not being accepted into a clinical trial, due to my age and the persistence of fibrillation, I was strongly recommended to see Dr. Hocini who works at the Liryc Institute. This meeting changed everything for me, despite my reservations about seeking treatment abroad.

What stood out to you in your treatment journey with Liryc?

The commitment of the teams inspired me a lot. This desire for constant improvement and rapid integration of discoveries into procedures really sets them apart. It's not just about achieving results, but about taking on real clinical challenges.



If you have atrial fibrillation or an arrhythmia, don't walk, run to the Liryc Institute! Their unparalleled approach is worth it."

What message would you like to send to Liryc supporters?

The work of the teams and the speed with which they put discoveries into practice in the operating room is remarkable. I have to emphasize the importance of Liryc's research and innovation missions for patients and the collective good.

Thank you TO THE CAMPAIGN'S FUNDRAISERS AND DONORS

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MARK ET LAURA BAILEY



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AND 1 ANONYMOUS DONOR

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Thank you

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“
Together,
we form a “dream
team” in the fight
against heart
rhythm diseases.
Each of our
advances reflects
your valuable
contribution.
Thank you for
your commitment
and your trust.”



Dr Méléze HOCINI,
Director of the
“Light Up Your Heart”
campaign

LIGHT UP
YOUR HEART

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