

**Press release for immediate release**

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## **The Jules Bordet Institute opens its Radiotheranostics Centre of Excellence**

A new era in treating and diagnosing patients in Nuclear Medicine

28 April 2022 – **Wednesday 27 April 2022, the Jules Bordet Institute officially opened its "Radiotheranostics Centre of Excellence" in its Department of Nuclear Medicine. An innovative form of targeted drug therapy in fighting cancer, radiotheranostics is today a priority axis in cancer research. A development made possible thanks to the new building, inaugurated last November with new infrastructures and state-of-the-art equipment, but also thanks to the support of the Jules Bordet Association.**

### **Radiotheranostics, the future of nuclear medicine**

In recent years, nuclear medicine has undergone a major revolution with the introduction of a new treatment method in the fight against cancer: radiotheranostics, a combination of (molecular) diagnostics and (radionuclide) therapy. Radiotheranostics is an innovative form of targeted drug therapy in fighting cancer, supplementing treatments such as chemotherapy, radiotherapy and immunotherapy. The action mechanism of this new anti-cancer therapy is unique and very much a part of the modern paradigm of precision oncology. It uses tracers or vectors (small molecules, peptides or antibodies) that are specific to the tumour, to which a radioactive isotope is coupled. Following intravenous administration, these (radiopharmaceutical) molecules accumulate specifically at all the tumour sites and deliver a radiation dose that destroys the cancer cells.

### **The Department of Nuclear Medicine, Radiotheranostics Centre of Excellence in Belgium**

The Jules Bordet Institute's Radiotheranostics Centre of Excellence has all the infrastructure and technologies needed to offer its patients this treatment method in optimal conditions: 5 hospital isolation rooms for patients undergoing treatment, equipped to protect the environment from radioactive contamination; a laboratory for the production of radiomarked pharmaceutical products that meets the highest quality demands (GMP standards); a fully digital latest generation SPECT/CT camera to visualise the location of the radiopharmaceutical products administered to the patient's body after the therapy and to calculate the radiation doses. Such a camera has been installed in just 5 centres worldwide; an additional PET/CT digital camera will serve exclusively research purposes.

### **A development made possible thanks to a new building and major investments**

During the 80 years of its existence, the Jules Bordet Institute has always played a leading role in research and development for new methods of diagnosis and treatment in the fight against cancer. The Institute's recent move (November 2021) to the ULB university campus in Anderlecht and a brand new building covering 80,000 m<sup>2</sup> was the trigger for this major development made possible through the new modern infrastructures available to the teams. For more than 50 years the Institute's biggest private sector donor, the Jules Bordet Association has already given 18 million euros for research activities at the new hospital.

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#### **Press kit**

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Institut Jules Bordet, Association Hospitalière de Bruxelles régie par la loi du 8 juillet 1976  
Jules Bordet Instituut, Ziekenhuisvereniging van Brussel onderworpen aan de wet van 8 juli 1976

A complete press kit on the Radiotheranostics Centre of Excellence is available at the Jules Bordet Institute website: [www.bordet.be/presse](http://www.bordet.be/presse)

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## Press Contacts

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### About the Jules Bordet Institute

An integrated multidisciplinary centre, the only one of its kind in Belgium, the Jules Bordet Institute is an autonomous hospital dedicated exclusively to cancerous diseases.

During the past 80 years the Jules Bordet Institute has been offering its patients diagnostic and treatment strategies at the leading edge of progress to prevent, detect and actively fight cancer. The Institute pursues three missions: care, research and teaching. The Institute's international reputation attracts leading experts in the field of cancer. Its spirit of innovation has enabled it to participate in the development and discovery of new methods of diagnosis and major treatment innovations, with the aim of translating the results into improved patient care as rapidly as possible.

In May 2028, the Jules Bordet Institute was officially awarded, for the second time, OECI (Organisation of European Cancer Institutes) accreditation as a "Comprehensive Cancer Center", a quality label reserved for multidisciplinary cancer care institutions that combine research and training. The Jules Bordet Institute is the only Comprehensive Cancer Centre with OECI accreditation in Belgium.

On 28 November 2021, the Jules Bordet Institute opened its new building on the ULB university campus in Anderlecht with 80,000 m<sup>2</sup> fully dedicated to leading edge cancer care, research and training, as well as a patient well-being centre. It offers 250 hospitalisation beds and 43 day hospitalisation beds.

The Jules Bordet Institute is also part of the H.U.B., the University Hospital of Brussels, which includes the Erasmus Hospital, the Jules Bordet Institute and the Queen Fabiola Children's Hospital. Thanks to new investments, this internationally renowned university hospital group is able to guarantee high quality care accessible to all combined with excellence in research and training.

[www.bordet.be](http://www.bordet.be)

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### About the Jules Bordet Association

For more than 50 years, "The Friends of the Bordet Institute" have financed cancer research at the Bordet Institute. The Institute's biggest private sector donor, they have given close to 12 million euros over the past five years.

It is the only association that supports the Jules Bordet Institute in all its fields of activity, irrespective of the specific cancer pathology.

Recent years have brought considerable progress in oncology. Our understanding of the biological origin of cancer is increasing all the time. Whereas a decade ago we spoke solely of the microscopic analysis of tumours, today we can speak of genetic profiling and sequencing. Dozens of new molecules and new markers now permit personalised treatment. This progress has been made possible very largely thanks to the extraordinary technological progress of recent years. But these new techniques that now enable us to probe the infinitely small is increasingly expensive.

For the past 50 years, the assistance from the Jules Bordet Association has enabled the Jules Bordet Institute to pursue its leading edge research by drawing on the most advanced technologies, thereby offering patients the most innovative screening and care methods and generating life and hope.

In helping and supporting the Jules Bordet Institute you are participating in the many research programmes it supports and that all converge in pursuit of a single goal: a victory for life.

To find out more about the Jules Bordet Association, visit the website at [www.association-jules-bordet.be](http://www.association-jules-bordet.be)

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