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CYCLOTRON SOLUTION NEWSLETTER

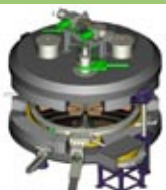
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From radioisotopes to radiopharmaceuticals

Full steam ahead



High-current multi-particle cyclotron



True multi-run synthesis module



Full steam ahead

IBA invests in new R&D labs

IBA Molecular has invested over 6 million € in its molecular imaging development center in Belgium (Fleurus).

800 square meters of laboratories and clean rooms are now equipped with high technology equipment for the production of non-conventional isotopes for research and development of the newest tracers for clinical tests.



St. Jude to start tagging tumors

In Spring, St. Jude Children's Research Hospital will start the operation of a Cyclone® 18/9 for diagnosis purposes while combining with the production of a dozen of different radioisotracers for research.

St. Jude Hospital is internationally recognized for its pioneering work in finding cures and saving children with cancer. With the use of this new installation, they will be able to reduce lag time between diagnosis and assessment of treatment response.



Gliwice Poland

D-Day is getting closer as the foundations for the first full GMP compliant PET-Center in Poland were finished and structural works are on schedule. Parallel to building works the establishment of the radiopharmaceutical submission file, based on IBA's European license, is also progressing.



¹²⁴I production in Herlev Hospital

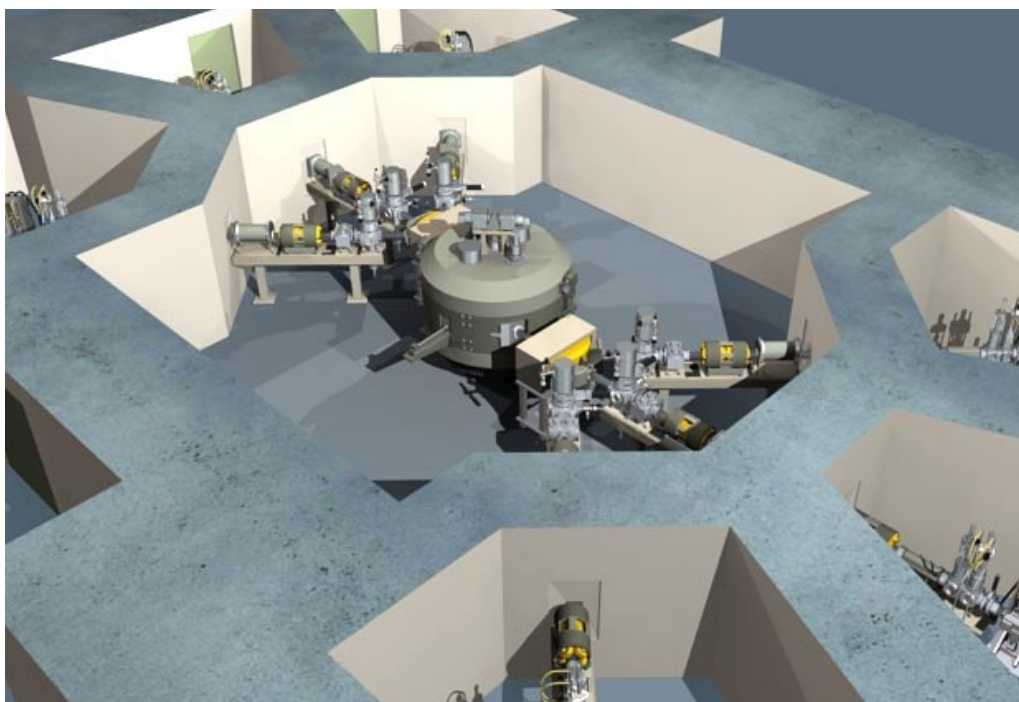
"Herlev Hospital chose IBA as partner for the new PET Centre because of its expertise in equipment integration and IBA's advanced solid target technology, notably allowing us to produce Iodine¹²⁴."

Inge-Lis Kanstrup, MD.D.M.Sc.,
Head of Clinical Physiology and Nuclear Medicine,
Herlev Hospital

The first high-current multi-particle cyclotron in Europe

The launch of ARRONAX, the high energy/high intensity CYCLONE® 70 cyclotron is scheduled for March 2008. The package includes a “turn-key” cyclotron system comprising of a complete range of targets and some automated chemistry modules. This high energy cyclotron system enables the production of the most complete range of important SPECT and PET radioisotopes as well as THERAPEUTIC radioisotopes. It ensures a large supply of all important isotopes and compounds on a routine basis.

ARRONAX aims at producing innovative radionuclides for research in nuclear medicine and at performing research in radiochemistry on radiolysis.



At the cutting edge of research

A cooperation, between the Research centre Inserm-University and Subatech Laboratory (France), created the right conditions to install there a high energy (70 MeV) and high intensity (750 μ A) cyclotron for the production of originals and innovating radio nuclides for research in nuclear medicine.

We considered that IBA, recognized for its ability in the design and the realization of medical use cyclotrons, has all the assets to conceive, assemble and install this new type of last generation cyclotron.

Jean-François Chatal

Nuclear medicine professor

Cancer research centre Inserm-university Nantes-Anger



Arab Health, Dubai

Now that many projects have been signed in the MEA region (Saudi Arabia, United Arab Emirates, Pakistan, Morocco) in 2007, IBA has again reinforced its presence at Arab Health.

During this important event, the focus was made on the integrated “turn-key” offering. Visitors also had the opportunity to see a real size particle therapy gantry exhibited on the IBA booth.

Synthera® : True multi-run synthesis



Multi-runs

Synthera®'s unique auto-ejectable Integrated Fluidic Processor (IFP™) makes it the only true multi-run system.

All radioactive materials during production are confined in the IFP™, which is automatically ejected into a shielded waste receptacle after synthesis, increasing safety for production personnel.

Synthera® Hotcell

Through collaboration with hotcell's industry experts, IBA has designed a new generation of hotcell with a shielded waste receptacle. This new functionality unleashes the full potential of the Synthera® multi-run capability.



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