



iba / Academy
From talent to expertise

IBA ACADEMY

FROM TALENT TO EXPERTISE

Well-trained people maximize your potential

At IBA, we know that well trained people maximize production potential. This is why we created the IBA Academy. It is a comprehensive training program to help you enhance your knowledge base, optimize your operation, and increase uptime and productivity.



IBA Center

Your benefits:

- Real live hands-on training
- Multi-competences
- Customized and progressive



Your Site

Your benefits:

- Involve all your staff
- Use your system configuration
- Be embedded in local context



Internship

Your benefits:

- Acquire radiopharmaceuticals production practices
- Live routine or R&D operation
- Be part of IBA scientific community



The course is an amazing experience; you can learn something that you can use in your day of work, it's very useful and the teacher are competent.



Giordano Ciccone
Cyclotron operator
Curium Roma



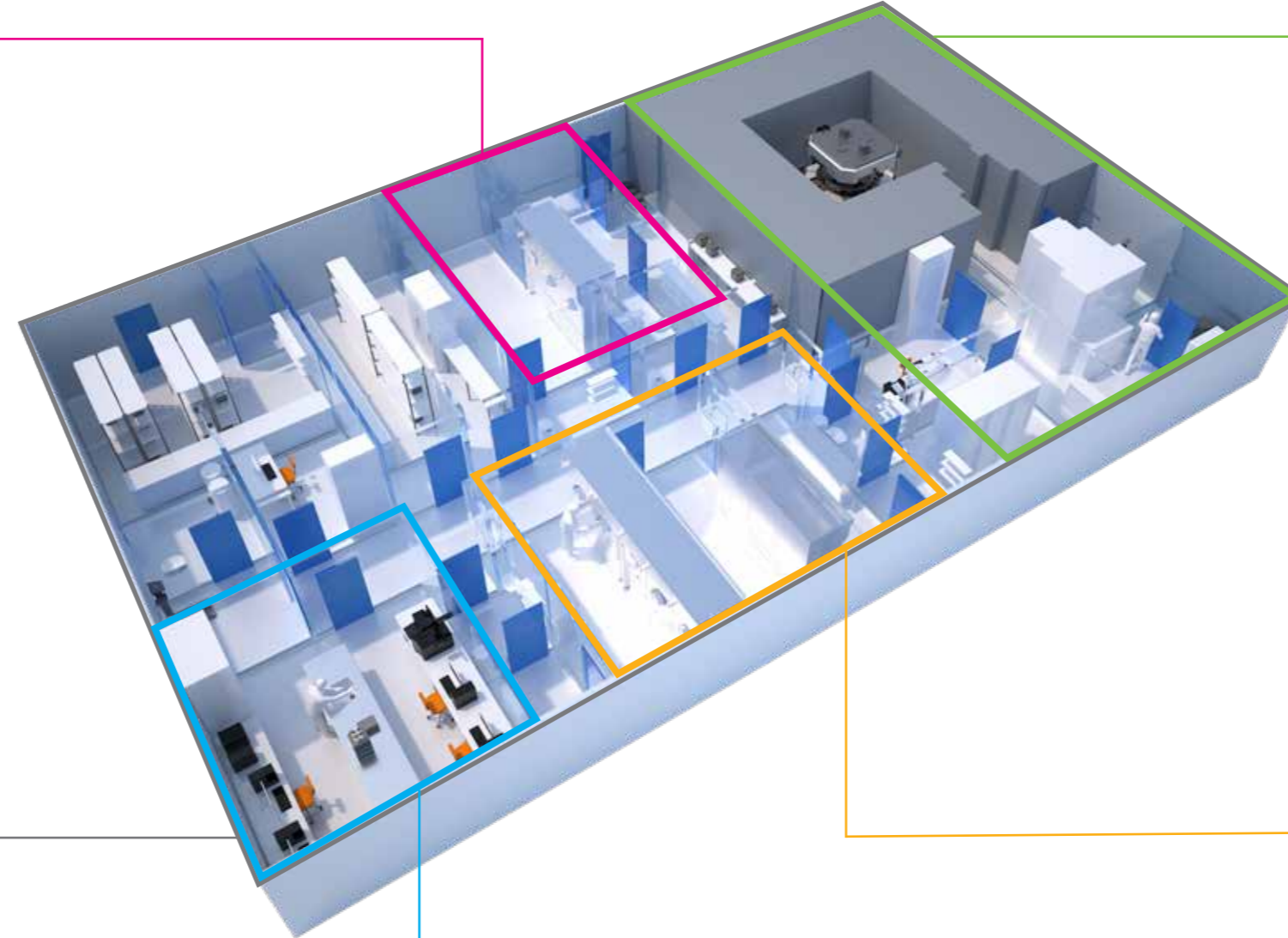
Comprehensive training Program

RADIOPHARMACEUTICALS PRODUCTION



Optimize global production process

- Synthesis equipment and process
 - ✓ Start up training: hardware and software operation
 - ✓ Application training: routine production of [¹⁸F]FDG, [¹⁸F]FSPMA-1007, [¹⁸F]NaF, [¹⁸F]FET, [¹⁸F]FLT, [¹⁸F]FMISO, [¹⁸F]FCH, [⁶⁸Ga]Ga-peptides
 - ✓ Advanced training: troubleshooting and maintenance
 - ✓ Expert training: for recipe development and customisation



CYCLOTRON OPERATION

Increase uptime and productivity

- Cyclotron equipment
- Progressive training from routine operation to maintenance and troubleshooting
 - ✓ Start up Cyclone® training: daily operation and basic maintenance
 - ✓ Advanced Cyclone® training: preventive maintenance and first line troubleshooting
 - ✓ Expert Cyclone® training: fine tuning and advanced troubleshooting on specific sub-systems
 - Target system
 - Radio-frequency system
 - Vacuum system
 - Source system



QUALITY ASSURANCE

Comply with regulations

- Advanced training in quality assurance: advanced consultancy for FDG manufacturing in a GMP environment:
 - ✓ General understanding of GMP regulations
 - ✓ Regulations applicable to radiopharmaceuticals manufacturing practices
 - ✓ Support to prepare the quality system of the lab according to the European GMP
 - ✓ Review of documentation covering all GMP activities for the manufacturing of FDG including:
 - Site Master File (SMF)
 - Validation Master File (VMF)
 - Quality Assurance documentation
 - Facility and pieces of equipment used in the production pharmaceutical areas
 - Process and resources validation
 - QC Activities [Qualifications / Methods validations / SOPs / Logbooks...]
 - Microbiological data
 - Batch release documentation
 - ✓ Assessment covering the 5Ps (Premises / People / Process / Product / Procedures)
- IBA specialist on site to complete production run up to the quality control according to European Pharmacopea



QUALITY CONTROL

Guarantee safe product drugs delivery

- Quality control equipment
- Quality control processes and methods
- Quality control laboratory organization



R&D ENDLESS INNOVATION

Enhance your horizon in Nuclear Medicine

- System operation and maintenance for routine production (Nirta® targets and Synthera®):
 - ✓ [¹⁸F]FSPMA-1007, [¹⁸F]NaF, [¹⁸F]FET; [¹⁸F]FLT, [¹⁸F]FMISO, [¹⁸F]FCH
 - ✓ ¹¹C - chemistry
 - ✓ Ammonia in-target production
 - ✓ Radiometal Chemistry: ⁶⁴Cu, ⁸⁹Zr and ⁶⁸Ga.
 - ✓ ¹²³I & ¹²⁴I
- Development support
 - ✓ In-depth use of Synthera® platform for tracer development
 - ✓ Be part of R&D community & joint development.
 - ✓ Library of compounds, a free access to production recipes: [synthera-libraryofcompounds.com](https://www.iba-nuclear.com/synthera-libraryofcompounds.com)



ABOUT IBA

IBA (Ion Beam Applications S.A.), is a cancer diagnostics and treatment company and the worldwide technology leader in the field of proton therapy. The company's expertise lies in the development of next-generation proton therapy technologies and radiopharmaceuticals that provide oncology care providers with premium quality services and equipment, including IBA's leading fully-integrated IntegraLab® system.

ABOUT IBA RADIOPHARMA SOLUTIONS

Based on longstanding expertise, IBA RadioPharma Solutions supports hospitals and radiopharmaceutical distribution centers with their in-house radioisotopes production by providing them global solutions, from project design to the operation of their facility. In addition to high-quality technology production equipment, IBA has developed in-depth experience in setting up GMP radiopharmaceuticals production centers.

ABOUT INTEGRALAB® AND SYNThERA®+

IntegraLab® is a fully integrated solution combining equipment and services for the development of Radiopharmaceutical Production Centers. IntegraLab® includes the building designed with full regulatory compliance and the selection, integration, supply and installation of suitable high-technology equipment to match your radioisotope production goals.

Synthera®+ is a multi-purpose automated synthesizer for the production of ¹⁸F₂FDG, other compounds [¹⁸FCH, ¹⁸FLT, Na¹⁸F, ⁶⁸Ga peptides ...]. This smallest available module on the market is designed to accommodate a wide range of radiochemistry processes.

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PROTECT +
ENHANCE +
SAVE LIVES