WG2 - SEEIST and Research & Training opportunities at FAIR/GSI

Pradeep Ghosh

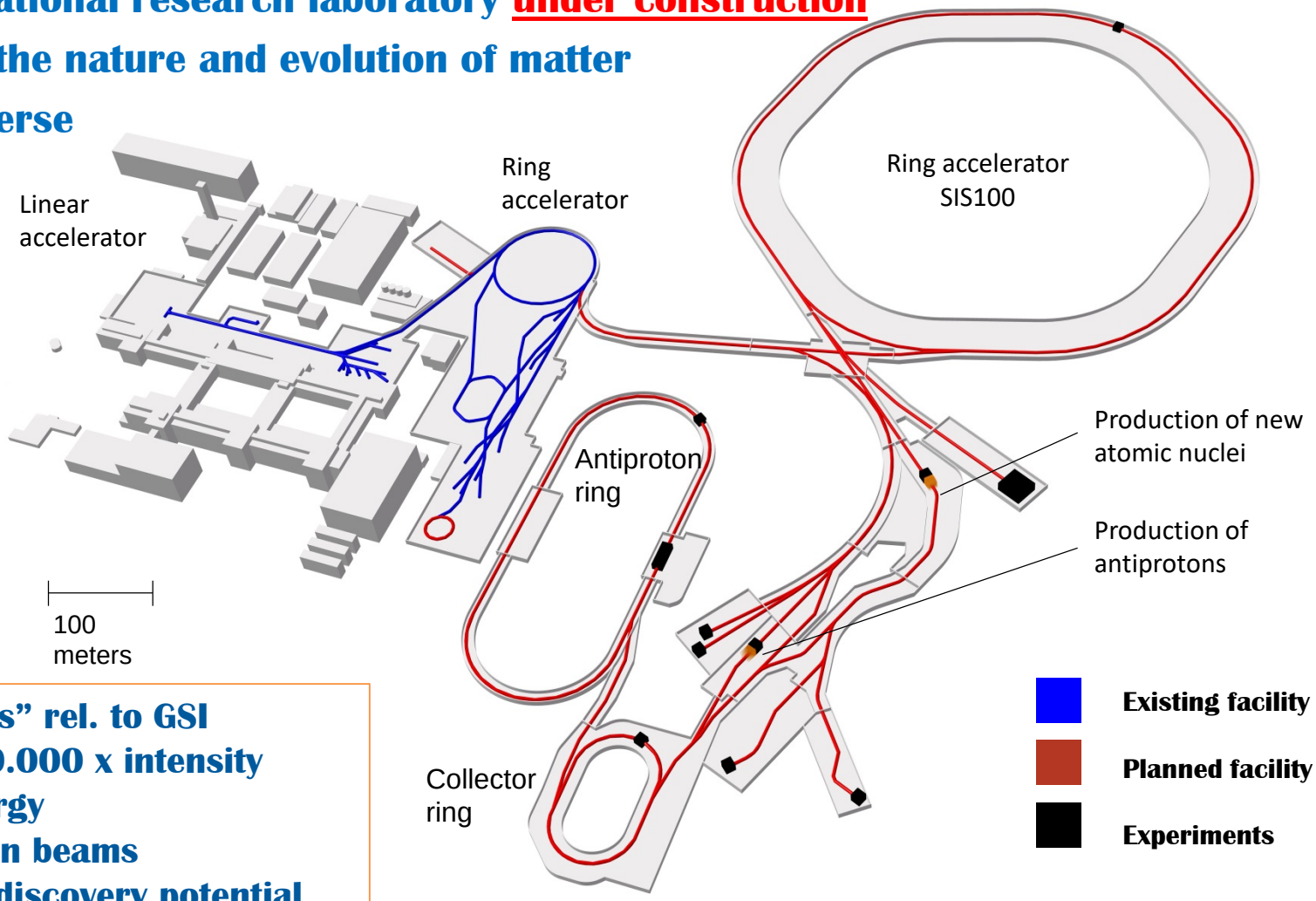
FAIR and GSI

Facility for Antiproton and Ion Research

new international research laboratory under construction

to explore the nature and evolution of matter

in the Universe

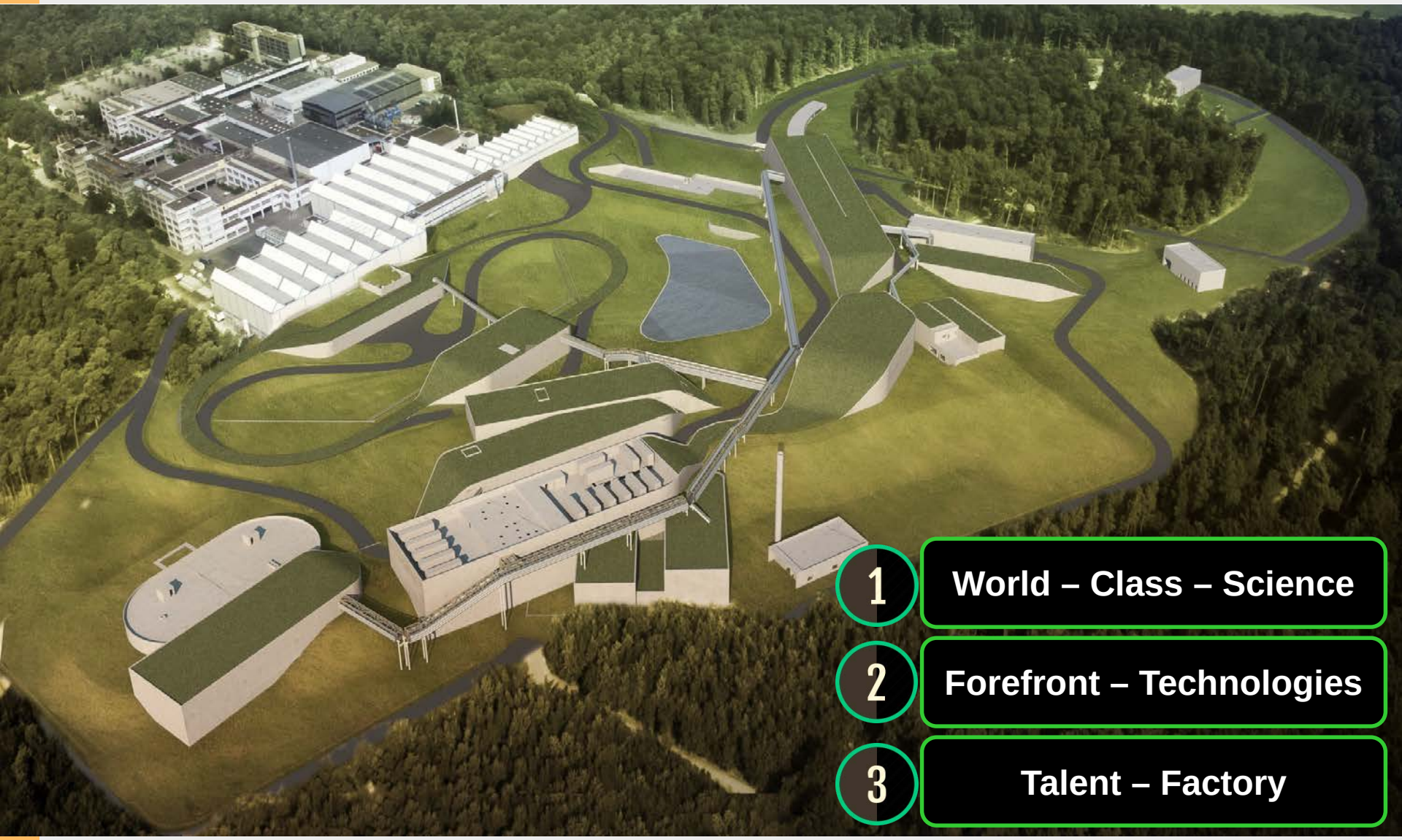


"Gain factors" rel. to GSI

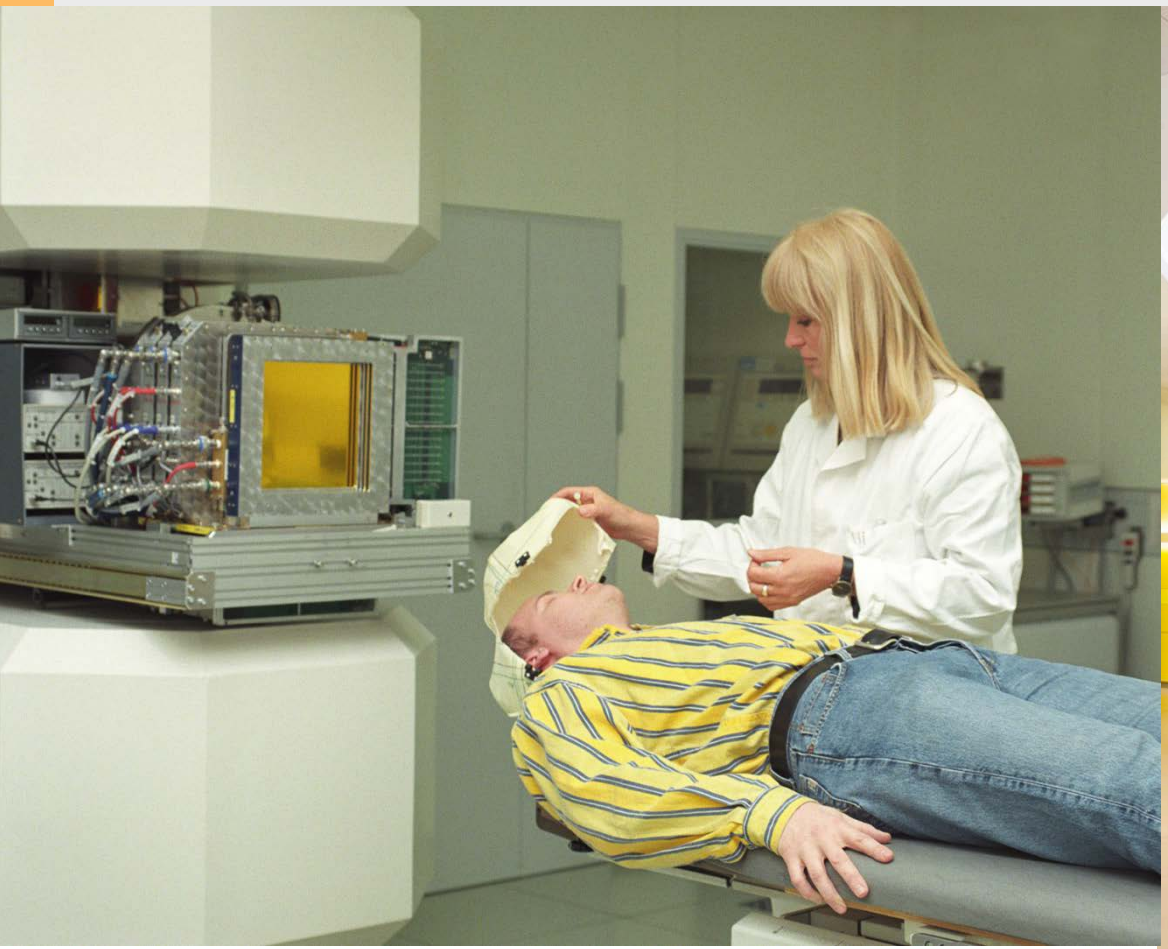
- **100 – 10.000 x intensity**
- **10 x energy**
- **antiproton beams**

=> major discovery potential

3 words to describe FAIR

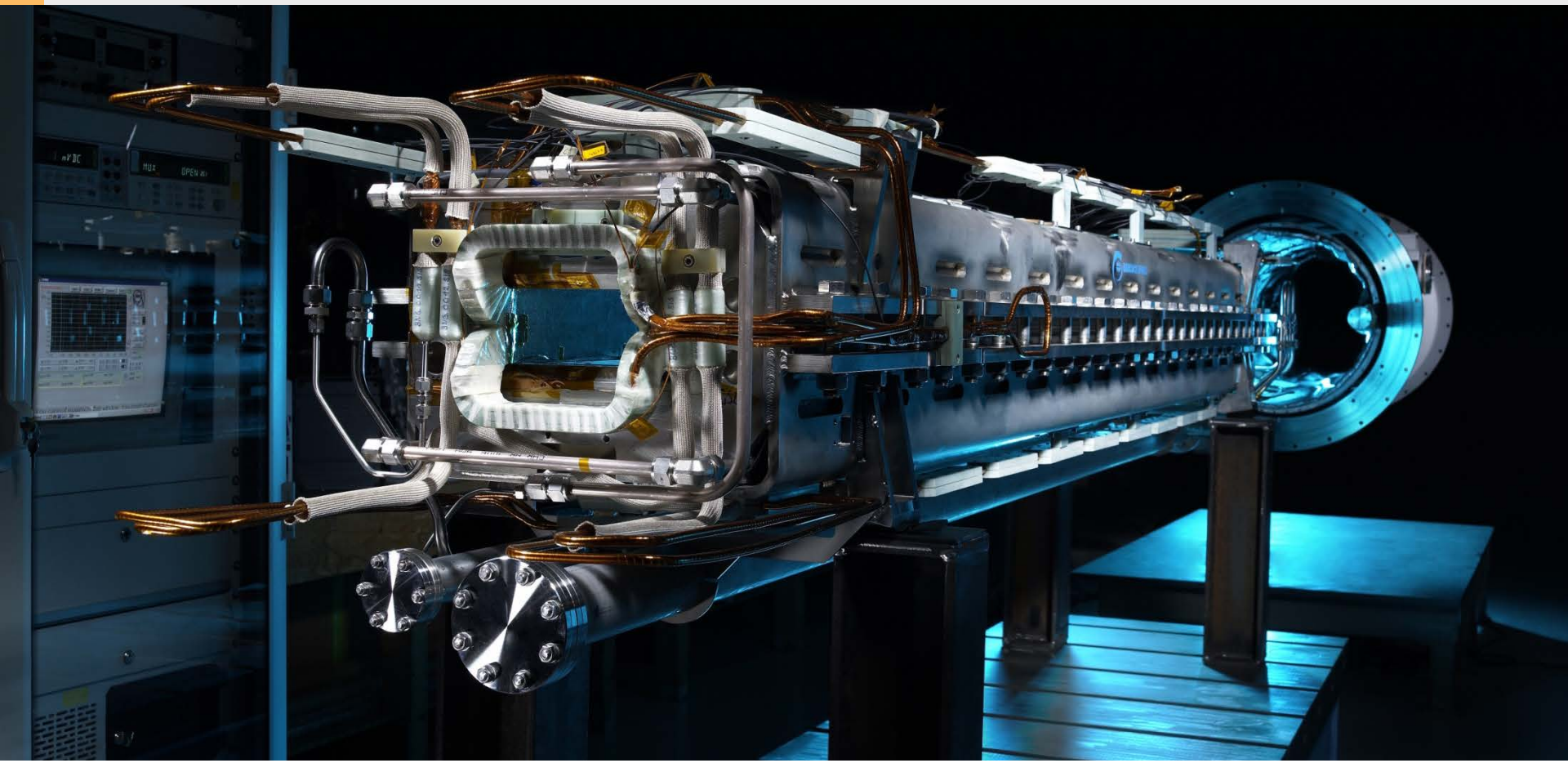


Health and medical therapy



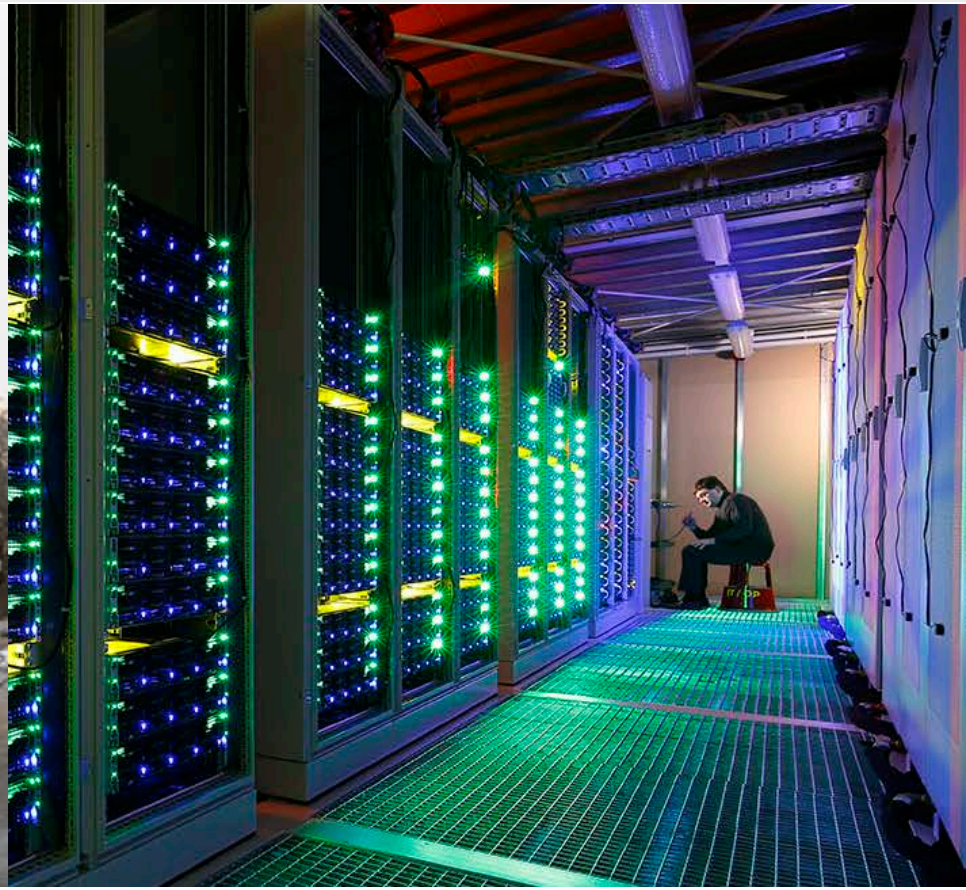
- **Breakthroughs in medical research.**
- **Pioneering research in Carbon-Ion Therapy for Cancer treatment.**

Forefront Technologies



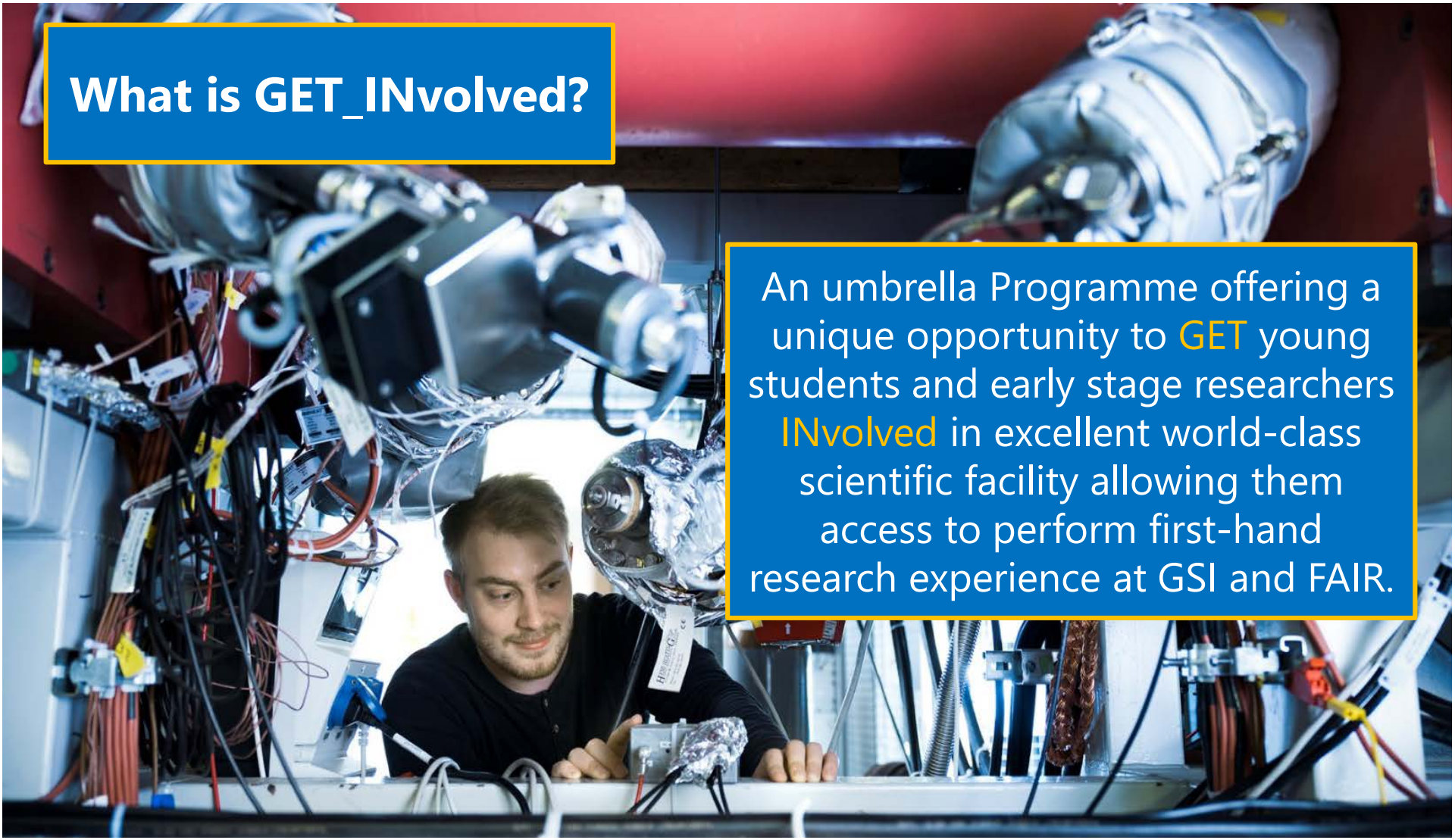
- **Applications in accelerator science, detector instrumentation, materials research, radiation biology, therapy**

Forefront Technologies



- **Technological advancements in high-performance & scientific computing, Big Data, Green IT**

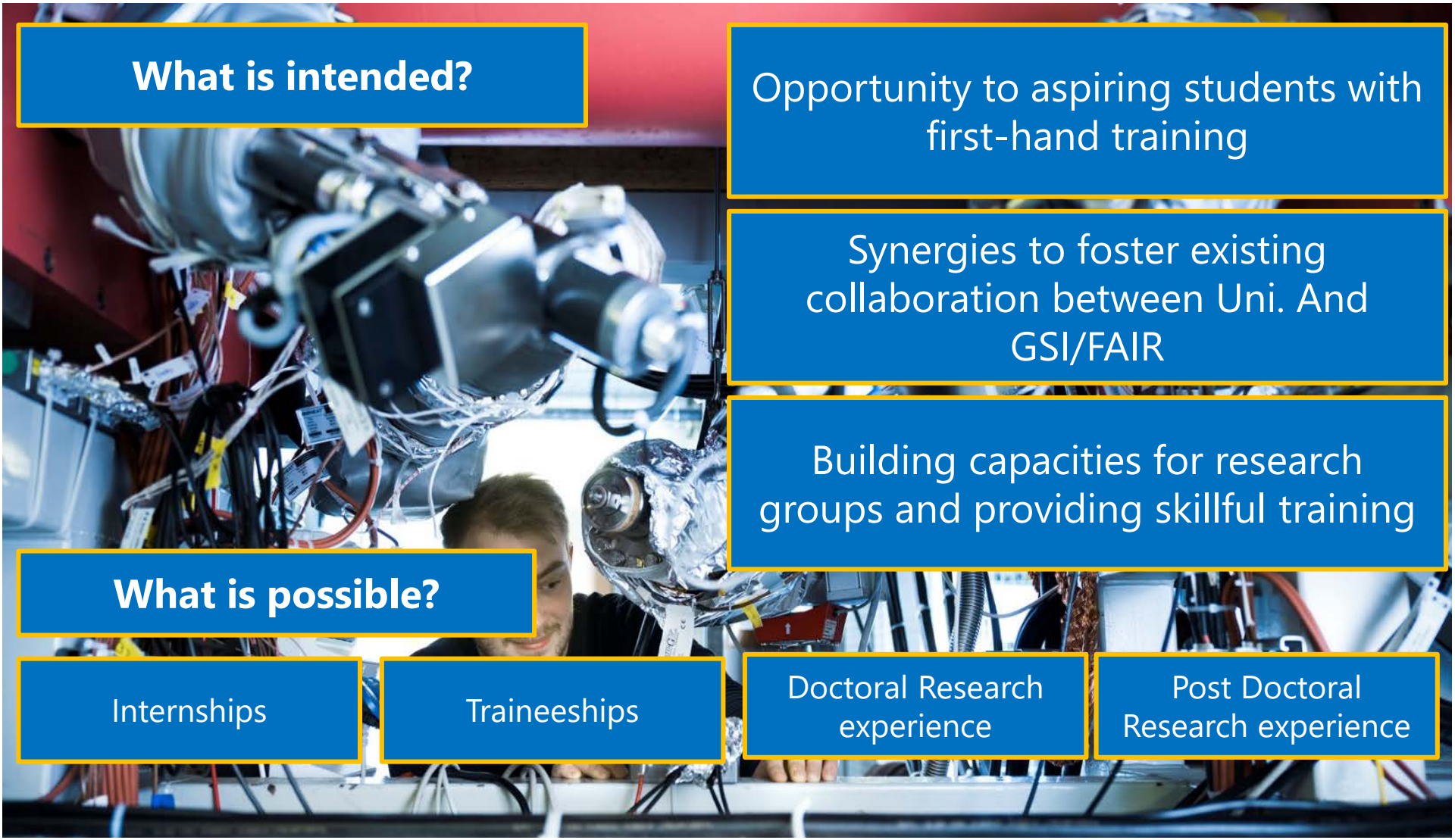
GET_INvolved Programme



What is GET_INvolved?

An umbrella Programme offering a unique opportunity to GET young students and early stage researchers INvolved in excellent world-class scientific facility allowing them access to perform first-hand research experience at GSI and FAIR.

GET_INvolved Programme



What is intended?

Opportunity to aspiring students with first-hand training

Synergies to foster existing collaboration between Uni. And GSI/FAIR

Building capacities for research groups and providing skillful training

What is possible?

Internships

Traineeships

Doctoral Research experience

Post Doctoral Research experience

Working Group 2 – Medical and Research plans

Task 1

Planning the activities in the facility

- **Deliverable**

  Technical Report for Particle therapy and Biomedical Research

Task 2

Establish future user community, both for oncology and biomedical research.

- **Deliverable**

  Report on the SEE research community

Task 3

Editing scientific documents.

- **Deliverable**

  Scientific paper in peer-reviewed journal

Workshops

One Workshop in SEE countries

Travels

Visit to SEE country stakeholders

Next Steps : Strategic Knowledge Alliance

For the Phase-2 of SEEIIST

one has to consider a

Strategic Knowledge Alliance

- either within ERASMUS+ framework
- or creating a collaborative framework

1. Identification of relevant stakeholders
2. Identifying an accountable person from stakeholders
3. creating a Common Minimum Programme for cooperation
4. setting up Mobility and training instrument

Need more information?
Contact us – Join the journey!

Dr. Pradeep Ghosh
Programme Coordinator
International Programme for Students and Researchers
FAIR and GSI GmbH

t: +49 6159 71 3257
f: +49 6159 71 3916

Web:
www.gsi.de/get_involved
www.fair-center.eu/get_involved
email:
international@gsi.de
international@fair-center.eu