

International Workshop on Standards and Measurements for Alpha Emitting Nuclides in Therapeutic Nuclear Medicine

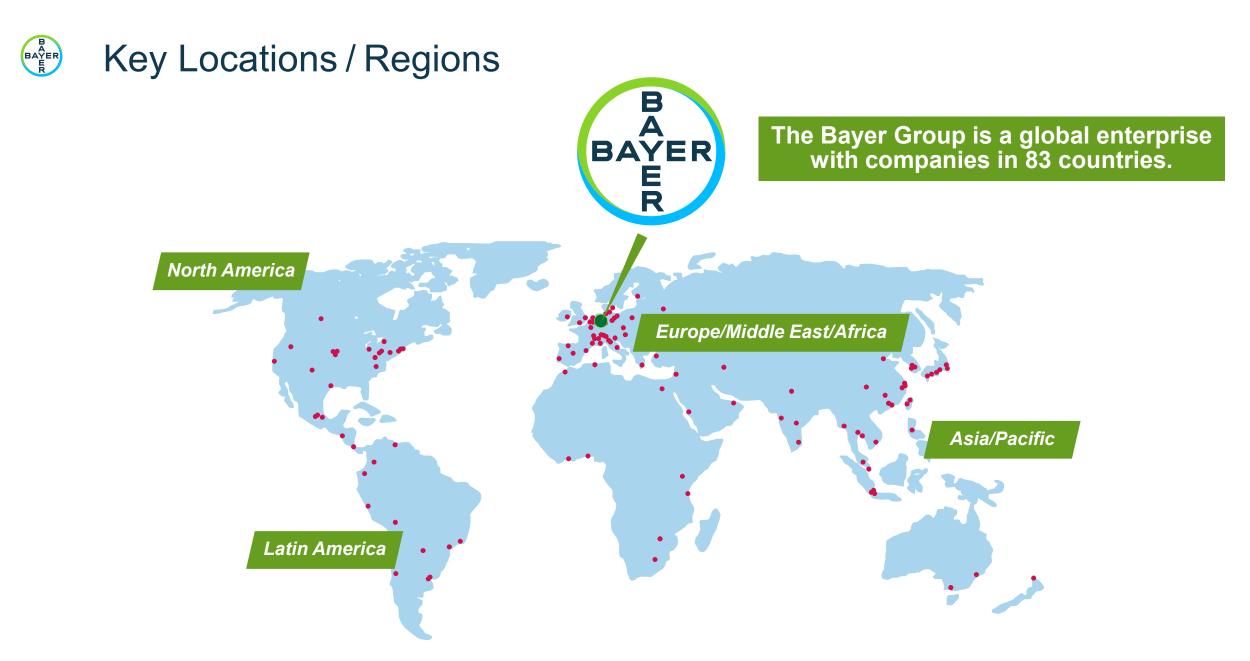
Radiopharmaceutical research & development at Bayer in Norway

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Elisa Napoli PhD, MSc Physics

Sèvres, 22-23 Feb 2024







## Bayer in Norway

Crop Science



**Consumer Health** 

### **Enabling Functions**

**Pharmaceuticals** 

#### /// Crop Science

Innovative crop protection, seeds & traits, digital technologies & services

#### /// Pharmaceuticals

Prescription products for cardiology, women's healthcare, oncology, hematology, ophthalmology, radiology and other areas

#### /// Consumer Health

Non-prescription medicine in the categories of dermatology, nutritional supplements, pain, cardiovascular risk prevention, digestive health, allergy, and cough & cold

#### /// Enabling Functions

Support the operational business



## People

- ~150 employees in Norway
- More than 20 nationalities
- · Focus on people and culture



### **Organisation**

- Sales & marketing (Consumer Health, Crop Science & Pharmaceuticals)
- Medical affairs, Clinical operations and Drug safety
- · Research, Development and **Product Supply (PS)**
- Platform functions: Finance, Legal, Communication and HR



## **Competencies** R&D & PS

- Researchers Nuclear
- Engineers and chemistry
- technicians Nuclear within
- chemistry Radiation
- Biochemistry
- Biotechnology Biophysiology

physics

Biology

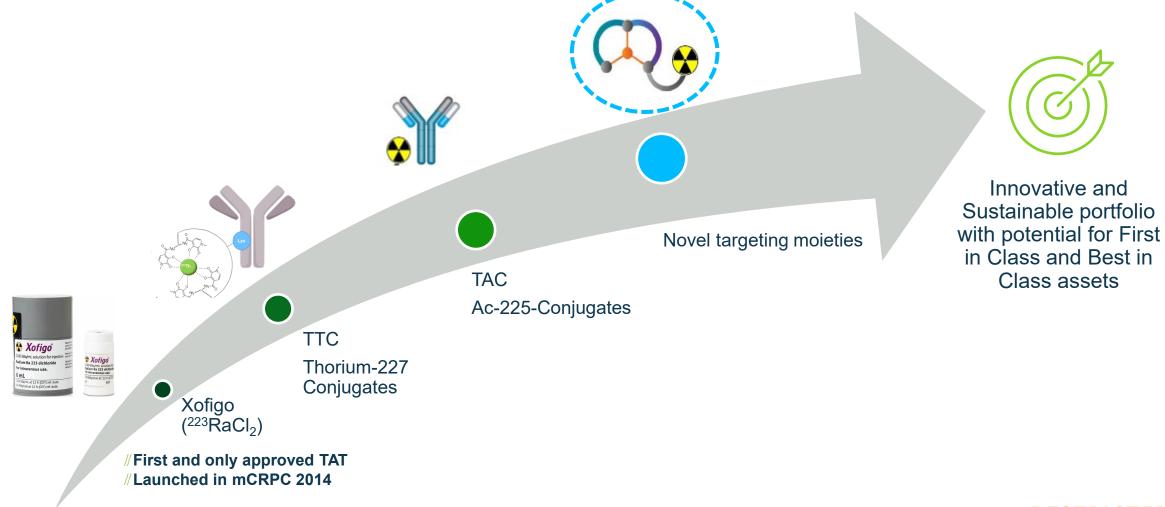
protection

- Pharmacy •
- Pharmacology Microbiology

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## Bayer in Targeted Alpha Therapy (TAT)

The Bayer Targeted Alpha Therapy (TAT) Platform Is Evolving to Meet Patient Needs With a Diverse Portfolio Utilizing Innovative Technologies



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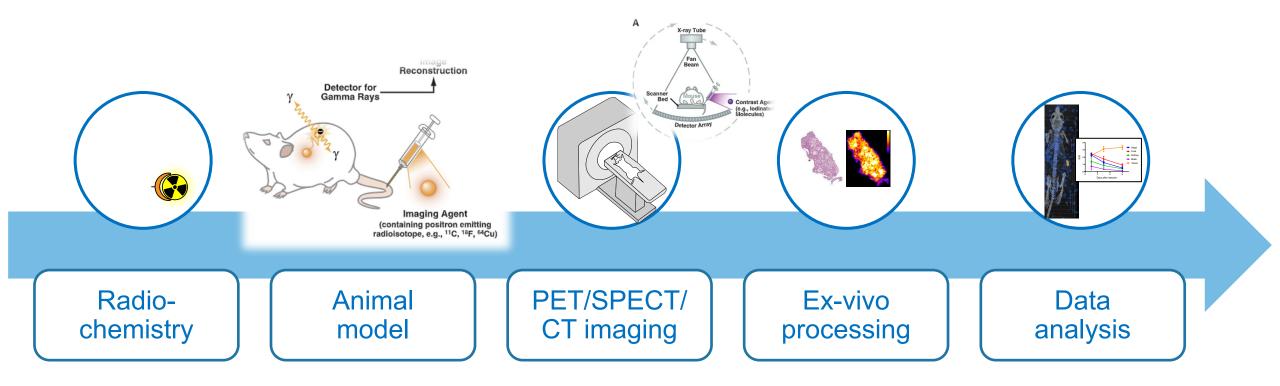
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## Molecular imaging at Bayer in Norway

Accelerate drug development

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- // Molecular imaging is a more animal friendly alternative in drug development
  - // Compared to regular approaches, less animals are needed, more information is gathered with molecular imaging



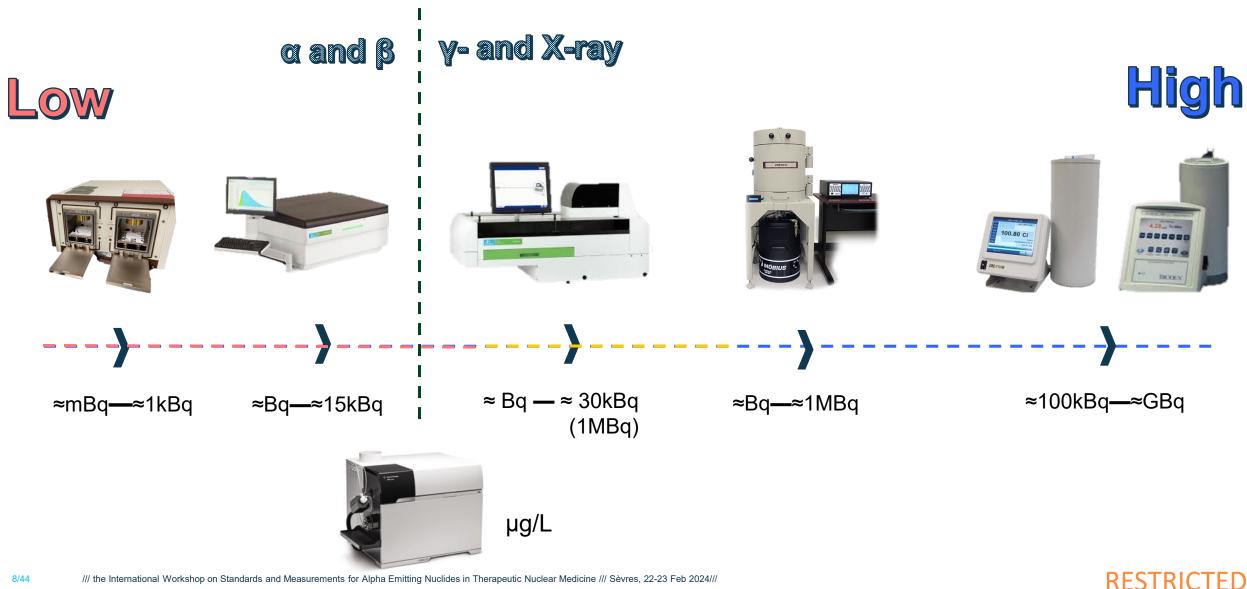
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# Bayer AS - Center of Excellence

- State-of-the-art laboratory at Lysaker (total 1000 m<sup>2</sup>) with equipment for development and quality control of radiopharmaceuticals
- A "world class analytical lab" for the characterization of radiopharmaceuticals and products
- Equipped with all the most important GMP analysis techniques for radionuclides

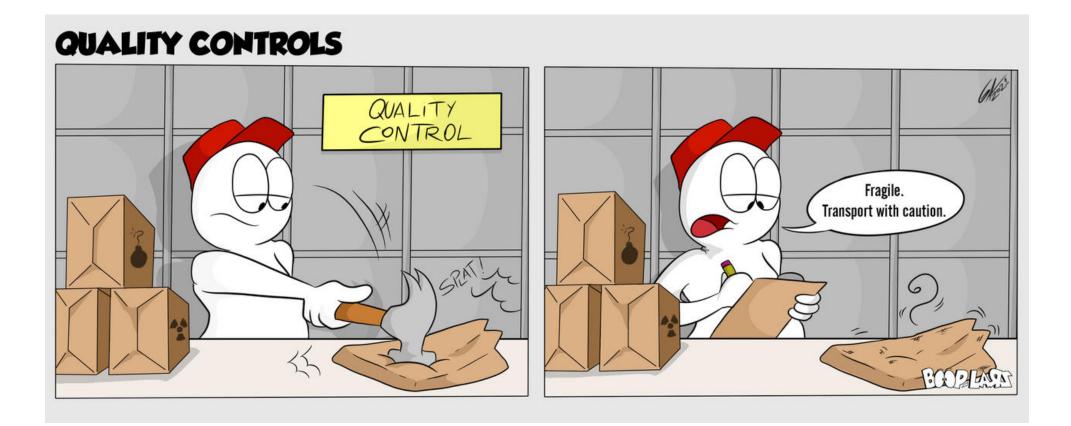


### BAYER ER R **Overview of detectors at Bayer in Norway**



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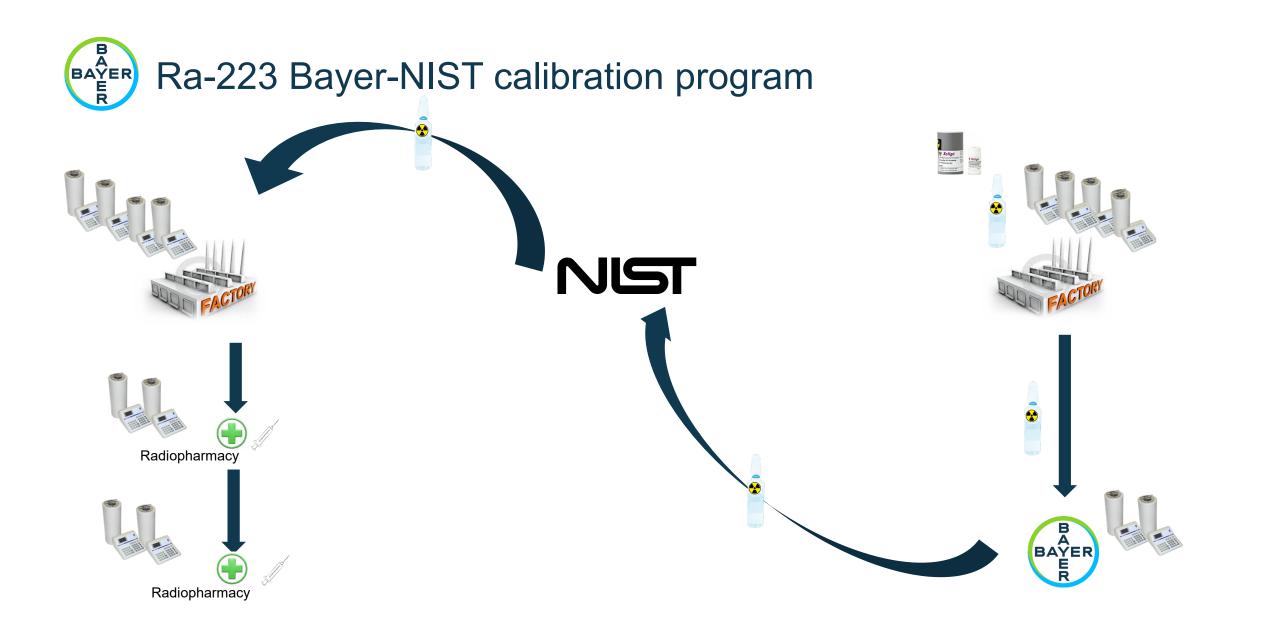


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AD & QC at Bayer AS BAYER

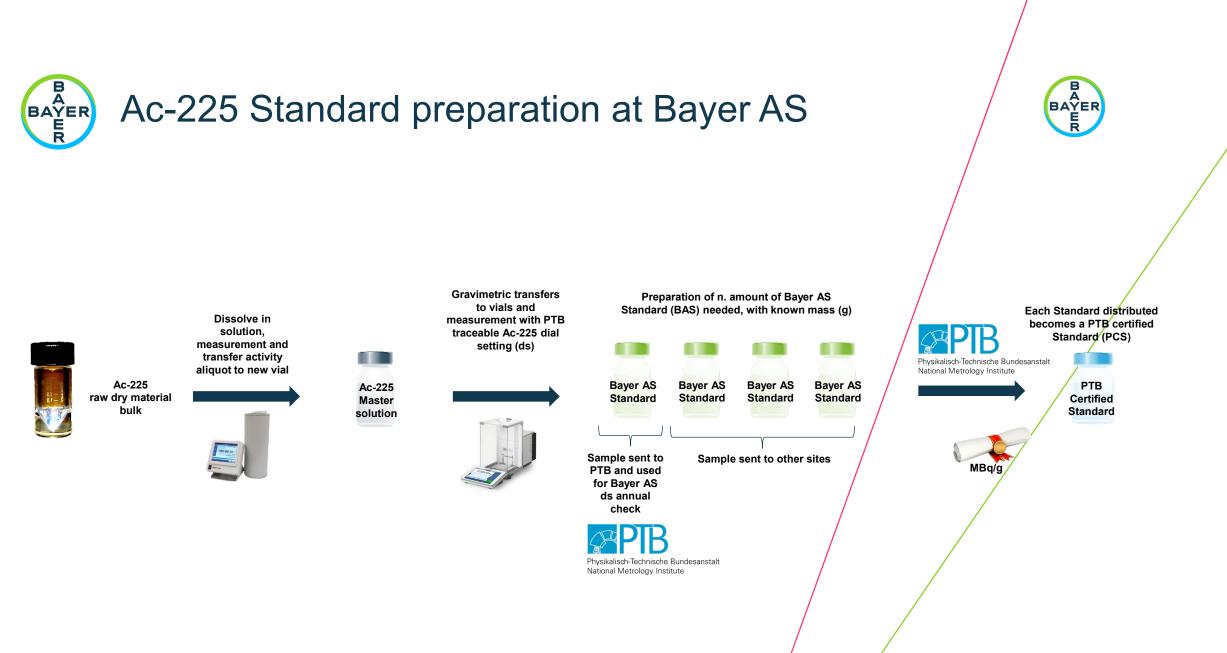
What do we do?

- // Development and validation of analytical methods for assessing quality of radiopharmaceuticals
- // Standardization and geometry studies
- // Technology transfer of analytical methods to suppliers and contract manufacturer organizations
- // Release and stability testing of raw materials and radiopharmaceuticals
- // Characterization of raw materials and radiopharmaceuticals
- // Establishment of specifications and justification of specifications
- // Preparation of regulatory documentation
- // Control, calibration and maintenance of QC instruments utilized for GMP analyses



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# Thank you!

## Any questions?



